PRODUCTION NOTE

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Transactions of the
Board of Trustees

JULY 1, 1962, TO JUNE 30, 1964

A. J. JANATA
Secretary
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Fifty-Second Report
(SEVEN ANNUAL AND FORTY-FIVE BIENNIAL REPORTS)
OF THE BOARD OF TRUSTEES
OF THE UNIVERSITY OF ILLINOIS
FOR THE TWO YEARS ENDING JUNE 30, 1964

PUBLISHED BY THE UNIVERSITY OF ILLINOIS - URBANA
Urbana, Illinois, June 30, 1964

Honorable Otto Kerner, Governor of Illinois:

SIR: I have the honor to submit to you herewith, in compliance with the law, the fifty-second report of the Board of Trustees of the University of Illinois, for the two years ending June 30, 1964.

Respectfully yours,

A. J. Janata, Secretary
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The July meeting of The Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Wednesday, July 18, 1962, beginning at 10:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mrs. Frances B. Watkins, Mr. George T. Wilkins, Mr. Kenney E. Williamson. Judge Richard A. Harewood, Governor Otto Kerner, and Mr. Timothy W. Swain were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Mr. C. C. Caveny, Assistant to the President, Chicago Office, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Harry W. Pearce, Associate Director of the Physical Plant, Chicago Undergraduate Division, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
MINUTES APPROVED
The Secretary presented the minutes of the meetings of the Board of Trustees on December 19, 1961, and January 11, 1962, press proof copies of which had previously been sent to the Board.
On motion of Mrs. Watkins, the minutes were approved as printed on pages 1215 to 1274, inclusive.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT ON SELECTED TOPICS
President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES
(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfred William Briel</td>
<td>Evansville, Indiana</td>
<td>Indiana</td>
</tr>
<tr>
<td>Rufus Carson Cox, Jr.</td>
<td>Wilmette, Illinois</td>
<td>Ohio</td>
</tr>
<tr>
<td>Joseph J. Greenberg</td>
<td>Skokie, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Francis Xavier Kuhn</td>
<td>Elk Grove Village, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Albert Allen Pollans</td>
<td>Chicago, Illinois</td>
<td>Florida</td>
</tr>
</tbody>
</table>

I concur.
On motion of Mr. Hughes, these certificates were awarded.

APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY
(2) The Committee on Accountancy recommends the appointment of Harry I. Grossman, Resident Partner of Altschuler, Melvin, and Glasser, Certified Public Accountants, Chicago, to the Board of Examiners in Accountancy for a three-year term beginning July 1, 1962, to succeed Mr. William Deeming whose term expired on June 30, 1962.

I concur.
On motion of Mrs. Watkins, this appointment was approved.

APPOINTMENTS TO THE FACULTY
(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. Dennis Aigner, Assistant Professor of Economics, beginning September 1, 1962, at an annual salary of $8,250 (D).
2. John J. Alderson, Consultant in the Jane Addams Graduate School of Social Work with rank of Assistant Professor, beginning September 1, 1962, at an annual salary of $8,400 (D).
3. Arthur Bolz, Assistant Professor of Hygiene and Staff Physician in the Health Center and McKinley Hospital, beginning September 1, 1962, at an annual salary of $12,600 (BY).
4. S. A. Bowhill, Professor of Electrical Engineering, beginning September 1, 1962, at an annual salary of $14,000 (A).
5. Samuel G. Cramer, Assistant Professor of Agronomy, beginning July 1, 1962, at an annual salary of $8,700 (DY).
6. Charles S. Chihara, Assistant Professor of Philosophy, beginning September 1, 1962, at an annual salary of $7,300 (B).
7. Mary Claire Griffin, Associate Professor of Business Education, beginning September 1, 1962, at an annual salary of $9,000 (D).
8. Teddy R. Jackson, Assistant Professor of Speech, Division of Humanities, Chicago Undergraduate Division, beginning September 1, 1962, at an annual salary of $8,000 (B).
9. Daniel Kastler, Visiting Professor of Physics, for the academic year 1962-63, at a salary of $11,000 (E).
10. Henry J. Lipkin, Visiting Professor of Physics, for the academic year 1962-63, at a salary of $10,000 (E).
11. Bernard M. Neffkens, Research Assistant Professor of Physics, beginning September 1, 1962, at an annual salary of $9,200 (DY).
12. Agnar Nygaard, Visiting Professor in the School of Life Sciences, beginning September 1, 1962, at an annual salary of $12,000 (D).
13. R. Norman Peacock, Assistant Professor of Physics and in the Coordinated Science Laboratory, beginning June 1, 1962, at an annual salary of $11,000 (DY).
14. Edward G. Perkins, Assistant Professor of Food Technology, for two months from July 1, 1962, on eight-tenths time, at a salary of $1,331; from September 1, 1962, on full time, at the annual salary of $10,000 (DY80; DY).
15. Burt W. Phillips, Assistant Professor of Psychiatry, College of Medicine, beginning July 1, 1962, on eight-tenths time, at an annual salary of $11,500 (DY80).
16. Mrs. Josephine Phillips, Visiting Research Assistant Professor at University High School, beginning September 1, 1962, on three-fourths time, at an annual salary of $7,500 (D75).
17. Alfred G. Redfield, George A. Miller Visiting Professor of Physics, from October 1 to 31, 1962, at a salary of $2,500 (G).
18. George A. Russell, Associate Professor of Physics, beginning September 1, 1962, at an annual salary of $13,500 (A).
19. William R. Schwarz, Assistant Professor of Medical Illustration, Department of Illustration Studios, at the Medical Center, beginning September 1, 1962, at an annual salary of $9,000 (BY).
20. Thomas L. Swihart, Assistant Professor of Astronomy, beginning September 1, 1962, at an annual salary of $9,000 (B).
21. Robert E. Thomas, Associate Professor of Music, Division of University Extension, beginning September 1, 1962, at an annual salary of $9,000 (D).
22. James A. Tweedie, Assistant Professor of Obstetrics and Gynecology, beginning August 1, 1962, at an annual salary of $12,500 (DY).
23. Charles R. Young, Assistant Professor of Hygiene and Psychiatrist in the Health Center, beginning September 1, 1962, at an annual salary of $14,300 (DY).

On motion of Mr. Hughes, these appointments were confirmed.

SABBATICAL LEAVE OF ABSENCE

(4) The Head of the Department of Physiology and the Dean of the College of Medicine recommend, and I concur, that Dr. Ruven Greenberg, Associate Professor in that Department, be granted sabbatical leave of absence on full pay from January 15 to July 15, 1963. Application for this leave was received some time ago but administrative action was deferred pending receipt of additional information needed for adequate appraisal of his program of study and research.

On motion of Mr. Pogue, this leave was approved.

APPOINTMENTS TO THE STAFF OF THE CENTER FOR ZOONOSES RESEARCH

(5) The Dean of the College of Veterinary Medicine and Director of the Illinois Center for Zoonoses Research recommends the following appointments to the staff of the Center:
Senior Member
MARK H. LEPPER, M.D., Professor of Preventive Medicine, and Head of the Department, College of Medicine, indefinite tenure.

The Dean of the College of Medicine concurs.

Associate Member
RICHARD WARWICK ARMSTRONG, Research Assistant in Physiology, University of Illinois, two years. Mr. Armstrong has been employed as a Research Assistant under a grant from the National Cancer Institute for work on the ecology of cancer under the supervision of Dr. Frederick Sargent II, a Senior Member of the Center for Zoonoses Research. Mr. Armstrong is also doing graduate work and will receive the Doctor of Philosophy degree in August, 1963. His appointment is approved by the Dean of the College of Liberal Arts and Sciences.

Consultants
BERNARD B. BERGER, Chief, Research Branch, Division of Water Supply and Pollution Control, Public Health Service, Department of Health, Education, and Welfare, Cincinnati, Ohio, two years.
LEIGHTON EGGERTSEN CLUFF, Associate Professor, Johns Hopkins University College of Medicine, two years.

I concur.

On motion of Mr. Hughes, these appointments were approved.

ADVISORY COUNCIL OF LIBRARIANS

(6) The Dean of Library Administration recommends establishment of an Advisory Council of Librarians for the Graduate School of Library Science. The Council would be made up of leaders in the profession in the state of Illinois and representatives of major types of libraries. Membership would include representatives of each of the four major types of libraries (college and university, school, public, and specialized libraries) with two ex-officio members, including the Assistant State Librarian and the President of the Illinois Library Association. Representatives of libraries would serve for varying terms.

The faculty of the School supports this recommendation. The following nominations are submitted, effective September 1, 1962:

Public Libraries
WILLIAM W. BRYAN, Librarian, Peoria Public Library, Peoria, three years
GRACE W. GILMAN, Librarian, Lincoln Library, Springfield, two years

College and University Libraries
VICTORIA HARGRAVE, Librarian, MacMurray College, Jacksonville, two years
DR. ROBERT R. HERTEL, Director of Libraries, Illinois State Normal University, three years

School Libraries
MRS. IMOGENE BOOK, Librarian, High School and Junior College, Mt. Vernon, two years
ELEANOR YOUNGMIRE, Supervisor, Oak Park Elementary Schools, three years

Special Libraries
WILLIAM S. BUDINGTON, Assistant Librarian, John Crerar Library, Chicago, two years
AGNES C. HENEBRY, Librarian, Decatur Herald and Review, three years

Ex-Officio Members
DE LAFAYETTE REID, Assistant State Librarian, Springfield
WILLIAM W. BRYAN, Librarian, Peoria Public Library, Peoria

President-elect, Illinois Library Association (while Mr. Bryan is being named in two capacities, his term as President of the Illinois Library Association will be for one year).

I concur.

On motion of Mr. Dilliard, these appointments were approved.
ADVISORY COMMITTEES FOR COLLEGE OF AGRICULTURE

(7) The Dean of the College of Agriculture recommends the following appointments and reappointments to advisory committees for the College of Agriculture and the Agricultural Experiment Station effective September 1, 1962, for three-year terms:

Agricultural Economics
Harold Council, Princeton

Agricultural Engineering
LeRoy Barnes, Assistant Chief Engineer, Oliver Corporation, 714 North Chestnut, Shelbyville
Richard E. Reeves, Vice-President in charge of Engineering, Decatur Pump Company, 2750 Nelson Park Road, Decatur

Agronomy
Joseph B. Mountjoy, Mountjoy Hybrid Corn Company, Atlanta
John F. Runquist, Butler

Animal Science
Lloyd Hanna, Roseann Farms, Farmersville (Manager, Gietl Bros., Springfield)
Henry A. Longmeyer, Greenfield

Dairy Science
Homer Curtiss, Stockton

Forestry
W. A. Gullicksen, President, Churchill Cabinet Company, 2119 Churchill Street, Chicago 47
M. J. Kiser, Alvin
K. Starr Chester, Technical Adviser, Alton Box Board Company, P. O. Box 276, Alton

Horticulture (Food Crops)
John DeJong, 18160 Paxton, Lansing
Victor Eckman, 3600 Fairmont Avenue, Collinsville
Wayne Robbins, Campbell Soup Company, West Chicago

Horticulture (Floriculture, Ornamentals)
John C. Fiore, Charles Fiore Nurseries, Route 22, Prairie View

The Dean of the College of Agriculture further recommends the following reappointments to the general committee for two years as members at large:

Joseph Ackerman, Managing Director, Farm Foundation, 600 South Michigan Avenue, Chicago 5
Paul C. Johnson, Editor, Prairie Farmer, 1230 West Washington Boulevard, Chicago 7

I concur.

On motion of Mr. Hughes, these appointments were approved.

DR. HARTWELL C. HOWARD SCHOLARSHIPS

(8) As reported to the Board of Trustees on February 21, 1962, the University has received a bequest from the late Dr. Charles P. Howard of Champaign of approximately $194,000 as an endowment to establish the Dr. Hartwell C. Howard Memorial Fund, the income to be used to aid premedical and predental students. The amount of income now available for such student aid during the academic year 1962-63 is approximately $2,000; and it is estimated that the endowment will produce at least $5,000 each year thereafter.

It is recommended that the following rules be established for the administration of awards:

1. All the available income shall be used for undergraduate scholarships for premedical and predental students.

2. Such scholarships shall be awarded by the University Committee on Undergraduate Scholarships on nomination of the premedical committees advisory to premedical and predental students at Urbana-Champaign and at the Chicago Undergraduate Division.
3. The award shall be on the basis of financial aid and scholastic standing and following the same criteria applicable to awards of other undergraduate scholarships.

On motion of Mr. Johnston, these regulations were adopted.

ADMISSIONS REQUIREMENTS AND PROCEDURES

(9) The three University Senates have approved the following recommendations from the All-University Committee on Admissions.

Admission of High School Seniors in the Top Quarter of Their Classes

The Dean of Admissions and Records is authorized to consider for admission high school seniors in the top quarter of their classes who apply for admission to sessions beginning in June, 1964, and thereafter, on the basis of official documents from their high schools and other secondary schools, viz: a statement of six semesters of completed high school work, a statement of the courses to be taken in the last two semesters, the date of probable graduation, and an estimate of the applicant's scholastic rank in his class.

Admission of Foreign Students

The Office of Admissions and Records is authorized to decide which student shall be classified as "foreign" according to the following definition:

A person who is a citizen or permanent resident alien of a country or political area other than the United States and has a residence outside the United States to which he expects to return and either is, or proposes to be, a temporary alien in the United States for educational purposes shall be classified as a foreign student.

An alien who has permanent resident (immigrant) status in the United States and has received such classification for convenience only and maintains a residence outside the United States which he has no intention of abandoning shall be classified as a foreign student upon receipt of valid evidence (notarized certificate) from the permanent resident alien attesting to these facts.

The test given by the English Language Institute, Testing and Certification Division, Ann Arbor, Michigan, shall be required of all foreign students, including transfers, who file applications for admission after September 1, 1962, except foreign students who are citizens of a country where the native language is English, or who have degrees from colleges or universities in countries where English is the native language and where all instruction was in English. A score on that examination will be received by the University of Illinois before action is taken on the student's request for admission. All prospective foreign students who receive a score below the minimum score of acceptance on the test will not be admitted to the University. The Dean of Admissions and Records may, however, upon recommendation of the college concerned, waive the requirement of test if evidence presented by the applicant clearly justifies such action.

The Senate Coordinating Council has considered these actions and has advised that they are ready for presentation to the Board of Trustees.

I concur in the recommendations.

On motion of Mr. Wilkins, these recommendations were approved.

REVISIONS IN CURRICULA

College of Agriculture

(10) The Urbana-Champaign Senate has recommended revisions in the core curriculum in agriculture and the various majors related thereto, and in the agricultural science curriculum, effective September, 1962.

Core Curriculum

The core curriculum provides for a common program for the first two years of the undergraduate curricula in agriculture, with the exception of certain specialized curricula. All students in agriculture, except those in agricultural science, dairy technology, floriculture and ornamental horticulture, food technology, forestry, home economics, horticultural food crops, and restaurant management, pursue the same general core program for the first two years.

1. Addition of Agronomy 101, Introductory Soils, four hours, to the list of
Group I courses in agriculture from which all students in the core curriculum must complete fifteen hours.

2. Reduction of minimum required hours of agricultural courses from fifty to forty hours for all majors in the core curriculum except the major in general agriculture. The fifty-hour agriculture requirement for this major remains in effect because of its broad general nature. The reduction of ten hours in agriculture courses in the other majors will permit greater flexibility for the student and his adviser in designing programs to fit individual needs. The ten hours may be used for additional work in general education, supporting basic sciences, or other open electives.

3. Minor revisions in the majors in dairy science and agricultural mechanization:

MAJOR IN DAIRY SCIENCE
Instead of requiring specific courses in agriculture, the revised major requires fifteen hours selected from Group I courses in agriculture, fifteen hours selected from a group of advanced-level (200 or 300) courses in agriculture, and ten hours of additional advanced-level elective courses in agriculture. This choice of courses is desirable to provide an opportunity for the student to emphasize subject-matter areas of dairy science, such as nutrition, physiology, genetics, or management.

The requirement in science and supporting courses, in addition to the core requirement, is increased from six to nine hours.

The minimum requirement in agricultural hours is reduced from fifty to forty hours. See 2 above.

MAJOR IN AGRICULTURAL MECHANIZATION
A reduction of the minimum requirement of agriculture courses from fifty to forty hours. See 2 above.

An increase in the physical science requirement by seven hours. Mathematics 114, Trigonometry, and Physics 101, General Physics, have been added as requirements. An option is also provided for the student to take Chemistry 132 or 133, Elementary Organic Chemistry, or Physics 102, General Physics. This increased emphasis in the physical sciences will enable agricultural mechanization majors to better meet future changes in agriculture through stronger basic training.

An increase in the requirement of courses in the areas of business and communications from fifteen hours to eighteen hours. The majority of the graduates of this major enter businesses that are closely allied to agriculture. Therefore, training in business organization, operation, management, marketing and communications is essential.

Agricultural Science Curriculum
The required hours of agricultural courses for graduation in this curriculum is reduced from thirty-five to thirty with a minimum of fifteen of the thirty hours in courses at the junior-senior level.

This curriculum is designed for students who plan to do graduate work in certain fields or engage in professional work requiring more science, mathematics, or engineering than included in the core curriculum. The curriculum provides an opportunity for individually planned programs of study under the supervision of faculty advisers. The reduction of five hours in required agricultural courses will allow an increase of five hours in open electives, giving the student the opportunity to use these electives to strengthen his program of basic science or supporting courses.

Adding the requirement of a minimum of fifteen hours of advanced level courses in agriculture will strengthen the program.

Entering freshmen must rank in the upper half of their high school graduating classes; and must maintain a 3.5 scholastic average to remain in and graduate from the curriculum.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

College of Commerce and Business Administration
The Urbana-Champaign Senate recommends two major changes in the general curriculum in the College of Commerce and Business Administration required of all students in the college, except those majoring in teacher education. The changes
include an increase in the amount of time spent on general education and an increase in the number of hours required for graduation from 126 to 132 hours, excluding the general University requirements of military training and physical education. The new requirements will become effective for students enrolling after June 1, 1964.

**Additions**

<table>
<thead>
<tr>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Electives in Economics</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Humanities and Social Science</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics (beyond College Algebra)</td>
<td>7</td>
</tr>
<tr>
<td>Logic</td>
<td>3</td>
</tr>
<tr>
<td>Economic Analysis (advanced)</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Additions** 27

**Deletions**

<table>
<thead>
<tr>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any one of: Economics 136, American Economic History; Economics 138, European Economic History; Geography 105, Introductory Economic Geography; History 101, Ideas and Institutions in the Western World</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 111 or 112, College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Science or Advanced Mathematics Electives</td>
<td>4</td>
</tr>
<tr>
<td>Field of Concentration and Free Electives</td>
<td>11</td>
</tr>
</tbody>
</table>

**Total Deletions** 21

The Senate Coordinating Council has reported that this revision has been cleared with representatives of the Chicago Undergraduate Division Senate.

**College of Education**

The Urbana-Champaign Senate has recommended revisions in the industrial education curricula and in the curriculum preparatory to teaching mentally handicapped children, effective September 1, 1962.

**Industrial Education Curricula**

There are three optional curricula available to students interested in majoring in industrial education.

**OPTION I** — designed primarily to prepare instructors of industrial arts.

1. Delete Mathematics 117, Combined Freshman Mathematics (Algebra and Trigonometry); substitute Mathematics 112, College Algebra, and Mathematics 114, Trigonometry, wherever they do not already appear as an alternate choice. This involves no change in the semester-hour requirement in mathematics.
2. Substitute Education 240, Principles of American Secondary Education, two hours, for the more specialized course, Industrial Education 381, Principles of Vocational Education, three hours, and increase the free electives by one hour. Total hours for graduation remain the same.
3. Delete Agricultural Engineering 142, Gas Engines and Tractors, from the suggested electives.

**OPTION II** — designed to prepare vocational-industrial instructors.

1. Same as No. 1 in Option I.
2. Delete Journalism 204, Typography, two hours, as a requirement; add Industrial Education 384, General Shop Program, four hours, as a requirement, and decrease the number of electives required by two hours. Total hours for graduation remain the same.
3. Delete Industrial Education 186, Automotive Maintenance, three hours, and add Industrial Education 383, Development, Organization, and Principles of Industrial Education, three hours.

**OPTION III** — designed to prepare personnel for employment in training departments maintained by industrial plants.

1. Same as No. 1 in Options I and II.
2. Substitute Sociology 218, Technology and Social Change, three hours, for Sociology 318, Human Relations in Industry, three hours.
3. Delete the requirements of three hours of electives and add Industrial Education 383, Development, Organization, and Principles of Industrial Education, three hours.

**Curriculum Preparatory to Teaching Mentally Handicapped Children**

**FIRST YEAR**

Increase the range of alternatives which students can choose, i.e., if a student does not take Division of General Studies 131, Biological Science, he may take any two of the following: Physiology 103, 104, 105, 106; Botany 100; or Zoology 104—all of these being elementary courses in these fields.

Psychology 100, Introduction of Psychology, moved to the second semester of the first year in order to provide more time in the second semester of the curriculum.

**SECOND YEAR**

Education 117, Exceptional Children, moved from third year to the second year.

Education 201, Foundations of American Education, added to meet the requirement of the elementary education curriculum and is a substitute for Education 101, The Nature of the Teaching Profession.

**THIRD YEAR**

Add Music 240, Music for Elementary Teachers.

Substitute Education 233, Classroom Programs in Childhood Education, for Education 230, Principles of Elementary Education.

Add Mathematics 202, Mathematics for Elementary Teachers.

Substitute Psychology 250, Psychology of Personality, for Education 237, Child Development for Elementary Teachers.

Add Psychology 216, Child Psychology, as an alternative to Education 236, Child Development for Elementary Teachers.

Delete Education 218, Remedial Reading in the Elementary School.

Move Education 324, Mental and Educational Measurement of Exceptional Children, from the third year to the fourth year.

With the revisions recommended the curriculum will qualify graduates to teach in classes for normal children in elementary schools and in classes for educable mentally retarded children in elementary and secondary schools. The revisions do not affect the number of hours required for graduation.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

**College of Fine and Applied Arts**

The Urbana-Champaign Senate has recommended revisions in the crafts option curriculum in the Department of Art and in the music composition curriculum, effective September 1, 1962.

**Crafts Option in the Department of Art**


Substitute Art 125-126, Life Drawing, Art 141-142, Still Life Painting, and Division of General Studies 142, Physical Science, in the second-year requirements in the ceramic emphasis of the curriculum for Mathematics 111 or 112, Algebra, Mathematics 114, Trigonometry, and Chemistry 101, General Chemistry.

Eliminate in both the ceramic and metal emphasis of the curriculum the third-year requirements of Art 190 and 191, Recreational Crafts, and incorporate changes to permit the election of Home Economics 337, Textile Design, or additional art electives.

Increase the humanities requirement from five to six hours and reduce the total art electives by one hour in the metal emphasis of the curriculum.

**Music Composition Curriculum**

Reduce Music 106, Composition, from four to two hours each semester. Music 106 is required each semester for the first two years.

Reduce Music 102, 103, and 104, Theory, from four-hour courses to three-hour courses; Music 101, Theory, is now a three-hour course. Add Music 107,
108, and 109, Ear Training and Sight Singing, one hour each. Composition majors will take Music 101 in the first semester, 102 and 107 in the second semester, 103 and 108 in the third semester, and 104 and 109 in the fourth semester.

Reduce applied music requirement from twenty-four to sixteen hours.

Reduce music history requirement in the junior and senior years from twelve to six hours by selecting six hours from Music 310, 311, 312, and 313 rather than requiring all four of them as is now the case.

Add Music 315, Contemporary Music, two hours, to the requirements for graduation.

These changes increase the number of electives by five hours, from 20-22 to 25-27. The electives must include at least sixteen hours in humanities, social sciences, or natural sciences, in addition to the prescribed curriculum.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

**College of Liberal Arts and Sciences**

**Curriculum Preparatory to the Teaching of English**

The Urbana-Champaign Senate recommends revisions in the curriculum leading to the Degree of Master of Arts in the Teaching of English and recommends an optional curriculum for graduate students whose undergraduate work was not in a teacher-preparation program but who wish to do graduate work in the teaching of English at the secondary school level.

**Revisions in Curriculum for Students with Teacher's Certificates**

**First Semester**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 445, Introduction to Advanced Graduate Study.</td>
</tr>
<tr>
<td>English 387, The Structure of English, or, Rhetoric 480, The Theory and Practice of English Composition.</td>
</tr>
</tbody>
</table>

**Second Semester**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 446, Introduction to Advanced Graduate Study.</td>
</tr>
<tr>
<td>Education 456, Curriculum Problems and Trends in Specialized Fields of Secondary Education.</td>
</tr>
<tr>
<td>At least one course in English must be selected from courses numbered 450 to 490, problems courses for advanced graduate students.</td>
</tr>
</tbody>
</table>

Candidates for the degree of Master of Arts in the Teaching of English are required to pass a final examination in the field of English and deposit a special term paper with the Executive Secretary of the Department.

**Option for Students Without Teacher's Certificates**

Each candidate for this degree should apply for admission to advanced standing in teacher education with the adviser of the program at the time of his first registration.

<table>
<thead>
<tr>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>English 445, Introduction to Advanced Graduate Study.</td>
</tr>
<tr>
<td>English 446, Introduction to Advanced Graduate Study.</td>
</tr>
<tr>
<td>English 387, The Structure of English, or, Rhetoric 480, The Theory and Practice of English Composition.</td>
</tr>
<tr>
<td>English, at least one course must be selected from courses numbered 450 to 490, problems courses for advanced graduate students.</td>
</tr>
<tr>
<td>Education 311, Psychology of Learning for Teachers.</td>
</tr>
<tr>
<td>Education 312, Mental Hygiene and the School.</td>
</tr>
<tr>
<td>Two of the following courses.</td>
</tr>
<tr>
<td>Education 301, Philosophy of Education.</td>
</tr>
<tr>
<td>Education 302, History of American Education.</td>
</tr>
<tr>
<td>Education 303, Comparative Education.</td>
</tr>
<tr>
<td>Education 304, Social Foundations of Education.</td>
</tr>
<tr>
<td>Total.</td>
</tr>
</tbody>
</table>
Education 241, Technic of Teaching in the Secondary School (to be taken without graduate credit)

Education 242, Educational Practice in Secondary Education (to be taken without graduate credit)

Candidates for the degree of Master of Arts in the Teaching of English must also pass a final examination required of all master's candidates in the field of English and deposit a special term paper with the Executive Secretary of the Department.

The Senate has advised that the changes have been approved by the University Council on Teacher Education, the Policy Committee of the College of Education, and the Executive Committee of the Graduate College. The Senate Coordinating Council has advised that no other Senate jurisdiction is involved.

Prelaw Curriculum

The Urbana-Champaign Senate recommends that the statement of graduation requirements from the prelaw curriculum be revised to read:

Students preparing for the study of law ordinarily complete the first three years of the general curriculum in liberal arts and sciences before entering the College of Law.

A student who has completed ninety hours (excluding basic military training and physical education) and who has been in residence either the first two years or the last year of his prelegal work may count toward the Bachelor of Arts degree a maximum of thirty-two hours in the University of Illinois College of Law, subject to the restrictions on courses taken in colleges other than Liberal Arts and Sciences.

A student who has completed his first ninety hours (excluding basic military training and physical education) in residence at the University of Illinois and who transfers to an accredited college of law other than that of the University of Illinois may count a maximum of thirty-two hours of law toward the Bachelor of Arts degree, subject to the restrictions on courses taken in colleges other than Liberal Arts and Sciences.

The applicant for the degree should petition the Dean of the College of Liberal Arts and Sciences, who may approve the granting of the degree if all the college and University requirements have been met.

The present requirements include a 3.5 average for graduation. Since the College of Law will admit students with scholastic averages below 3.5, provided that they have made acceptable scores in the Law School Admission Test, the change in the grade-point average is recommended to make the requirements in the curriculum consistent with those of the College of Law.

The other change relates to quality of work in the fourth year and is recommended so that the prelaw curriculum requirements will be consistent with those of other curricula in Liberal Arts and Sciences.

The Senate Coordinating Council advises that no other Senate jurisdiction is involved.

College of Veterinary Medicine

The Urbana-Champaign Senate has recommended a major revision in the veterinary medical curriculum, effective September 1, 1962. The changes are a result of the re-evaluation of the present curriculum, the objective of which is to offer better preparation of veterinary medical students to meet professional needs and demands following graduation. Significant changes have occurred during the past few years and are still occurring in medical and health sciences and their application. The proposed curriculum provides improved continuity of course sequences and permits consolidation and integration of subject matter materials of related areas.

Courses Added

An. Sci. 201, Animal Management, 4 credit hours, 4 clock hours
V.C.M. 342, Diseases of Small Animals, 2 credit hours, 2 clock hours
V.F.H. 322, Veterinary Bacteriology, 3 credit hours, 9 clock hours
V.F.H. 333, 343, Clinical Pathology Conference, 0 credit, 1 clock hour

A student who does part of his prelegal work at the Chicago Undergraduate Division must complete his junior year with at least 30 semester hours in residence on the Urbana campus to satisfy this requirement.
V.P.H. 345, Environment and Disease in Livestock Production, 2 credit hours, 2 clock hours
V.P.H. 347, Management and Diseases of Laboratory Animals, 2 credit hours, 2 clock hours
V.P.P. 321, Physiology, 3 credit hours, 5 clock hours
V.P.P. 346, Nutritional Deficiencies, 2 credit hours, 2 clock hours

Courses Dropped
An. Sci. 103, Market Classes and Grades of Livestock, 3 credit hours, 5 clock hours
Bot. 226, Poisonous Plants, 2 credit hours, 4 clock hours
Dairy Sci. 100, Introduction to Dairy Production, 3 credit hours, 3 clock hours
Food Tech. and V.P.H. 332, Principles of Sanitation in Processing and Handling of Foods, 2 credit hours, 4 clock hours
Microbiology 200, 201, Microbiology, 5 credit hours, 9 clock hours

Courses Revised
V.A. 315, Applied Anatomy, 2 credit hours, 3 clock hours
V.C.M. 340, Veterinary Jurisprudence and Ethics, 3 credit hours, 3 clock hours
V.P.H. 323, Veterinary Microbiology and Immunology, 4 credit hours, 7 clock hours
V.P.H. 324, Protozoan and Arthropod Parasites, 3 credit hours, 5 clock hours
V.P.H. 327, Helminth Parasites, 3 credit hours, 5 clock hours
V.P.P. 323, Physiology, 3 credit hours, 6 clock hours
V.P.P. 330, Pharmacology and Toxicology, 4 credit hours, 8 clock hours

Courses Changed in Sequence
An. Sci. 110, Plant and Animal Genetics, 3 credit hours, 4 clock hours
An. Sci. 220, Feeds and Feeding, 3 credit hours, 4 clock hours
An. Sci. 304, Poultry Management, 3 credit hours, 3 clock hours
V.A. 315, Applied Anatomy, 2 credit hours, 3 clock hours
V.C.M. 339, Radiology, 2 credit hours, 3 clock hours
V.P.H. 325, General Pathology, 5 credit hours, 8 clock hours
V.P.H. 326, Special Pathology, 5 credit hours, 9 clock hours

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.
I concur in all the foregoing recommendations.
On motion of Mr. Hughes, these recommendations were approved.

DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS
(11) The Director of the School of Life Sciences and the Dean of the College of Liberal Arts and Sciences recommend that the name of the Department of Physiology be changed to the Department of Physiology and Biophysics. I have approved this change administratively and report it for record.
This report was received for record.

NATIONAL SCIENCE FOUNDATION GRANTS AND MATCHING FUNDS
(12) The National Science Foundation has made grants to the University for remodeling of research space in the Animal Genetics Laboratory, $14,800, and renovation and equipping laboratory facilities for research in Physiology and Biochemistry, $10,600, on condition that they are matched by funds from non-federal sources to the extent of at least 50 per cent of the direct costs of the projects.
These grants have been accepted and it is recommended that assignments of the required matching funds be made from the following sources.

For Remodeling of Research Space in Animal Genetics Laboratory from:
Animal Science (Indirect Costs) .................................. $ 4,500
Graduate Research Unassigned Funds (Indirect Costs) ........... 4,500
General Indirect Costs ............................................. 6,000
Total ................................................................. $15,000

1 Elective courses V.P.H. 345 and 347 are to be offered the second semester of the fourth year. The student is to be limited to only one elective course. V.P.P. 346 is an elective course to be offered the first semester of the fourth year.
For Renovation and Equipping Laboratory Facilities for Research in Physiology and Biochemistry from Indirect Costs (General)........ $10 600
I concur.

On motion of Mrs. Watkins, these assignments of funds were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES
(13) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

1. College of Agriculture
   Dairy Science, fluorescent lights in Animal Sciences Laboratory........ $7 304
   Forestry, pressure-vacuum cylinder........................................ 10 000

2. College of Education, remodeling basement in Lincoln Hall for research space................. 16 000

3. College of Engineering
   Electrical Engineering, equipment........................................... 50 000
   Engineering Experiment Station, multi-channel analyzer for nuclear engineering.................. 20 000

4. College of Liberal Arts and Sciences
   Botany, research facilities.................................................. 4 650
   Chemistry
   Remodeling and rehabilitation of laboratory and other areas used by the analytical, biochemistry, inorganic, organic, and physical divisions.......................................................... 30 000
   Undergraduate laboratory equipment......................................... 21 361
   Geology, equipment and remodeling........................................... 7 615
   Zoology, revamping water supply for Vivarium......................... 4 317

5. Library Administration, 2,000 books for library at Pennsylvania Avenue Residence Halls........ 10 000

6. College of Physical Education, renovation of deck space at the English Building swimming pool for office quarters and showers........ 8 500

7. Office of Public Information, multigraph duplicating equipment........ 3 396

8. Physical Plant
   Skating Rink, roof repairs.................................................... 3 200
   Remodeling in the English Building to provide two additional classrooms............................................. 5 865

9. University Press, inserting machine for Mailing Center...................... 15 000

10. Chicago Medical Center
    Medical Research Laboratory, installation of electronic air cleaners........ 4 800
    Research and Educational Hospitals, equipment (magnascanner)............ 9 600

   Total.......................................................... $231 608
I concur.

On motion of Mrs. Watkins, these appropriations were made, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

CONTRACT FOR CAMPUS BUS SERVICE
(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Champaign-Urbana City Lines, Inc., for a campus bus service for students and staff along the lines of the bus service operated under a University contract last year. Specific recommendations are that:
   Authority be granted to continue the Illi Bus operation during the 1962-63 academic year starting September 11, 1962.
   The five-cent fare per passenger be continued except that those students living in Orchard Downs will be issued passes to ride free from the Downs to any point on the route; however, the passes will be honored only for a return trip
to the Downs from the corner of Nevada Street and Goodwin Avenue, or at any regular bus stop between that corner and Orchard Downs.

The University be authorized to enter into an agreement with the Champaign-Urbana City Lines, Inc., for the 1962-63 academic year based on a rate of $5.15 per bus hour of operation (this includes use of the equipment and employment of necessary personnel to provide the desired bus service, and sufficient insurance to protect both the company and the University against liability for personal injuries or property damages arising out of the operation of this service).

The cost of operating this service will be financed as follows: fares collected from students and staff members, and $30,000 from Housing Division Funds.

Further experimentation be authorized to improve and extend the service to all parts of the campus area and to determine the extent to which the Illi Bus service can assist in the solution of the campus parking problem.

The service be discontinued effective June 8, 1963, with the close of second semester examinations.

A report on the trial operation of Illi Bus during 1961-62 is submitted in support of the proposed continuation of the service.

I concur in these recommendations.

On motion of Mr. Johnston, these recommendations were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

CONTRACTS FOR REMODELING DENTISTRY-MEDICINE-PHARMACY BUILDING

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for remodeling in the first unit of the Dentistry-Medicine-Pharmacy Building for the Department of Biochemistry in the College of Medicine, the award in each case being to the lowest bidder:

<table>
<thead>
<tr>
<th>Service</th>
<th>Contractor</th>
<th>Base Bid</th>
<th>Additive Alternates</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>General-Mutual Contracting Company</td>
<td>$22,782</td>
<td>$3,184</td>
</tr>
<tr>
<td>Plumbing</td>
<td>H. P. Reger and Company</td>
<td>$6,940</td>
<td>$4,080</td>
</tr>
<tr>
<td>Heating and Refrigeration</td>
<td>Utility Air Conditioning and Heating Company</td>
<td>$8,485</td>
<td>$3,970</td>
</tr>
<tr>
<td>Ventilating</td>
<td>The Robert Irsay Company</td>
<td>$16,150</td>
<td>$6,688</td>
</tr>
<tr>
<td>Electrical</td>
<td>Wadeford Electric Company</td>
<td>$8,100</td>
<td>$1,286</td>
</tr>
<tr>
<td>Laboratory Equipment</td>
<td>Browne-Morse Company, Muskegon, Michigan</td>
<td>$34,578</td>
<td>$10,827</td>
</tr>
</tbody>
</table>

Total Contracts: $137,598

The work will include the first phase of the rehabilitation of the Department of Biochemistry laboratory, part of the 1961-63 building program at the Medical Center; the remainder of the remodeling, approximately one-half of the labora-
The laboratory area, will be done in the 1963-65 biennium. This phasing is necessary since all of the laboratory area can not be closed for remodeling at one time.

It is further recommended that all contracts other than the general contract be assigned to the contractor for the general work, making the total of his contract price $137,598.

It is further recommended that an agreement be entered into with Mutual Contracting Company for the assignment of these other contracts for $1,500, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACTS FOR DIESEL GENERATOR AND DISTRIBUTION SYSTEM AT MEDICAL CENTER CAMPUS**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for the construction of a small building and installation of an emergency generator set and distribution system at the Medical Center, the award in each case being to the lowest bidder:

<table>
<thead>
<tr>
<th>Building</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. V. Monahan, Chicago</td>
<td>$19,474</td>
</tr>
<tr>
<td>Fries-Walters Co., Chicago</td>
<td>80,618</td>
</tr>
</tbody>
</table>

The emergency electrical system, when completed, will serve critical areas in the hospitals in case of failure of the electric power supply. The project is a part of the 1961-63 building program at the Medical Center.

Funds are available in the state capital appropriations for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACT FOR MODIFICATIONS OF COLDWATER SYSTEM IN DENTISTRY-MEDICINE-PHARMACY BUILDING**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $22,332 to the Ashland Plumbing and Heating Company, Chicago, the lowest bidder, for modifications of the coldwater system in the second unit of the Dentistry-Medicine-Pharmacy Building.

The work will consist of the installation of new house pumps and associated equipment which will approximately double the capacity of the system in the building, and will eliminate difficulty in supplying water at the required pressure to the upper floors of this fourteen-story building which has been experienced with increased building usage.

Funds are available in the state capital appropriations for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.
CONTRACTS FOR CONSTRUCTION OF ADDITION TO THE LIBRARY

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of the seventh addition to the Library, the award in each case being to the lowest bidder:

**General — Pathman Construction Co., Chicago**
- Base bid: $496,880
- Additive alternate for service charge for supervision of other prime contracts assigned to general contractor: 8,500

**Electrical — Square Deal Electrical Contracting, Inc., Urbana**
- Base bid: $81,140
- Additive alternate to relocate Library tennis courts: 47,450

**Plumbing — George S. Walker Plumbing and Heating, Inc., Decatur**
- Base bid: $47,360
- Additive alternate to relocate Library tennis courts: 8,300

**Heating, Refrigeration, and Temperature Control — R. H. Bishop Company, Champaign**
- Base bid: 84,743

**Ventilating — F. R. Inskip and Company, Champaign**
- Base bid: 69,940

**Elevator — Otis Elevator Company, Chicago**
- Base bid: 27,287

**Total Contracts**
- Total: $812,832

Funds are available from state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released. Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

CONTRACT FOR CONSTRUCTION OF ADDITIONAL SPACE IN THE ARMORY

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts, subject to the release of funds, for the construction of a four-story addition at the west end and a balcony on the north and south sides of the interior of the Armory, the award in each case being to the lowest bidder:

**General — Pathman Construction Co., Chicago**
- Base bid: $421,992
- Additive alternates for vinyl asbestos tile and gypsum plaster surfacing on concrete block walls: 3,453

**Plumbing — George S. Walker Plumbing and Heating, Inc., Decatur**
- Base bid: 36,700

**Electrical — Downtown Electric Company, Urbana**
- Base bid: 96,325

**Heating, Refrigeration, and Temperature Control — Ideal Heating Company, Chicago**
- Base bid: 139,777

**Ventilating — R. H. Bishop Company, Champaign**
- Base bid: 26,774

**Elevator — Otis Elevator Company, Chicago**
- Base bid: 27,287

**Total Contracts**
- Total: $748,855

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release.
Submitted herewith is a supporting memorandum from the Physical Plant Department on this project, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACT FOR POWER PLANT PIPING SYSTEM AND MISCELLANEOUS EQUIPMENT**

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contract for $178,950 to Blaw-Knox Company, Power Piping Division, Pittsburgh, Pennsylvania, for piping system and miscellaneous equipment, and the furnishing and installation of an ash conveyor air washer to remove steam jet exhaust from Stack Number 2, for an addition to the Abbott Power Plant (Boiler No. 7).

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACT FOR REROOFING EVANS HALL**

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $51,706 to the Petry Roofing and Sheet Metal Company, Champaign, for reroofing Evans Hall.

Funds are available in the Housing Division Maintenance Reserve.

I concur.

On motion of Mr. Williamson, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACTS FOR LANDSCAPE WORK AT THE ILLINI UNION ADDITION, STUDENT SERVICES BUILDING, LABOR AND INDUSTRIAL RELATIONS BUILDING, AND PENNSYLVANIA AVENUE RESIDENCE HALLS**

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for landscape construction work, the award in each case being to the lowest bidder:

- Twin City Landscape Service, Inc., Urbana
  - Illini Union Addition .......................................................... $8 904 82
  - Student Services Building .................................................. 3 086 15
  - Pennsylvania Avenue Residence Halls ................................. 16 870 74

- Henry Nurseries, Henry, Illinois — Labor and Industrial Relations Building
  - .......................................................... 2 676 21

Funds are available in the construction budgets for these projects.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as rec-
ommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**CONTRACT FOR LONG-RANGE PLANNING FOR THE UNIVERSITY BUSINESS DISTRICT IN CHAMPAIGN**

(23) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the University be authorized to enter into an agreement with the city of Champaign for the employment of Harland Bartholomew and Associates for the preparation of a long-range development plan for the area bounded by University property on the south and east, the Illinois Central Railroad right-of-way on the west, and University Avenue on the north. The University will share equally in the cost of the preparation of this plan with the city of Champaign and the Campus Businessmen's Association. The University's share of the cost will not exceed $3,000.

The plan will provide an orderly development of the commercial and surrounding residential areas and should provide coordination between the University's expansion and commercial improvements (both service and residential investments).

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, this agreement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

**EMPLOYMENT OF HARLAND BARTHOLOMEW AND ASSOCIATES FOR LONG-RANGE PARKING PROGRAM**

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of the employment of Harland Bartholomew and Associates, St. Louis, Missouri, for development of a long-range parking program for the Urbana-Champaign Campus.

Due to losses of on-street parking spaces and of parking facilities for University staff resulting from new building construction, and an anticipated enrollment expansion which concurrently adds to the staff, it is proposed that a program be developed for construction of additional facilities which will be realistic in terms of need and which can be financed by the University.

As the Physical Plant Department does not have personnel for this type of planning, it is necessary to retain outside professional services. Based on recent studies completed in this area by the firm of Harland Bartholomew and Associates, the firm should be able to complete the work at a cost below that of other firms.

The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of Harland Bartholomew and Associates on the basis of cost plus 150 per cent for overhead and fees. The firm will also be reimbursed for out-of-pocket expenses, other than normal operating overhead, including travel, subsistence, printing, and other such charges directly related to this specific work. The total cost to the University will be limited to a maximum of $11,650.

Funds are available in the Physical Plant Department budget for 1962-63.

I concur.

On motion of Mrs. Watkins, authority was given as requested.

**LEASE OF PROPERTY AT 26 EAST SPRINGFIELD AVENUE, CHAMPAIGN**

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the second floor area (approximately 7,800 square feet) of the building at 26 East Springfield Avenue, Champaign, be leased by the University for use by the Department of Art.

The proposed rental rate is $565 per month. The University will assume the
cost of power and water, interior maintenance (excluding existing air-conditioners, which the owner will maintain), janitor service, and any needed alterations for University use. The owner is willing to lease to the University until the end of the current biennium with the University having the option to renew at the same rate on a biennial basis for three additional biennia, i.e., through June 30, 1969.

I recommend that the lease be authorized and that assignments of funds be made as follows:
From the General Reserve for remodeling (nonrecurring) ............... $ 4,600
Addition to the operating budget of the Physical Plant Department for annual rental ($6,780) and operations and maintenance ($6,345) ....... 13,125

On motion of Mr. Johnston, this lease was authorized, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain.

ADDITION TO CONTRACT FOR CONSTRUCTION OF ILLINI UNION ADDITION

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $3,286.85 in the contract with Felmley-Dickerson Company, Inc., for construction of the Illini Union Addition to include construction of facilities for 250 bicycles.
Funds are available in the construction budget for the Illini Union Addition.
I concur.

On motion of Mr. Williamson, this change in contract was authorized.

ADDITION TO CONTRACT FOR CONSTRUCTION OF PENNSYLVANIA AVENUE RESIDENCE HALLS

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase in the contract with Kuhne-Simmons Company, Inc., for the construction of Pennsylvania Avenue Residence Halls to include motor starters for supply and exhaust fans, $4,074.34, and an additional water supply line for emergency purposes, $4,875.60.
Funds are available in the construction budget for these halls.
I concur.

On motion of Mr. Williamson, these changes in contract were authorized.

ADDITION TO CONTRACT FOR ENGINEERING SERVICES FOR ILLINOIS STREET RESIDENCE HALL

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of Sargent and Lundy, Consulting Engineers, Chicago, for engineering services to design extension of steam and electric utilities to the Illinois Street Residence Hall.
Plans and specifications for the building construction will be released for bids in August, 1962, with completion of construction scheduled for September, 1964, and design of the utility services for the buildings should be authorized now.
Sargent and Lundy have designed the utilities from which the extensions will be made. Continuation of their services is recommended under the terms of the existing contract.
The cost of the engineering services is estimated at approximately $30,000.
Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.
I concur.

On motion of Mr. Pogue, this addition to the contract was authorized.

CONTRACT FOR CONSULTING ARCHITECTURAL SERVICES

(29) The present contract with the architectural firm of Richardson, Severns, Scheeler, and Associates, Champaign, for consulting and architectural services expires August 1, 1962. The Director of the Physical Plant and the Vice-President
and Comptroller recommend continuation of the employment of this firm on a cost-plus basis for one year from August 1, 1962, on the following assignments as directed by the Physical Plant Department:

_Urbana-Champaign_
Continuation of studies on the general campus development plan.
Studies of peripheral areas to coordinate campus development with studies developed by other agencies.
Site selection studies for new building projects.
Consultation on architectural design for new building projects.
Participation in weekly planning meetings.
Estimated cost of services..............................................$25 000

_Medical Center_
Continuation of studies on the campus development plan.
Further development of detailed programs and studies for various colleges and departments.
Continuation of studies on projects financed from other than state funds.
Estimated cost of services..............................................$10 000
Estimated total cost......................................................$35 000

The terms of employment will be the same as those under the present contract, i.e., on the basis of itemized payrolls, plus 100 per cent for the firm's overhead costs and fees.
Funds are available in the state appropriation for 1961-63 (for plans and specifications) from the Universities Building Fund and have been released.

On motion of Mr. Johnston, extension of this contract was authorized as recommended.

EMPLOYMENT OF ENGINEERS
(30) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Wilson and Anderson, Champaign, for engineering services to design the reconstruction of the Men's Old Gymnasium swimming pool and alterations and improvements to the English Building and Huff Gymnasium swimming pools.
The services will include complete plans, specifications, preparation of contract documents, and office supervision. Payment will be on a cost-plus contract basis: $5.00 per hour for services of principals of the firm for time actually spent by them on the project, plus salaries and wages of other employees at the regular rate paid by the firm for time actually put into the work; plus 100 per cent of these total costs for overhead expenses of the firm and its commission.
The Committee on Buildings and Grounds has been consulted and recommends approval.
I concur.
On motion of Mr. Pogue, this recommendation was approved.

EMPLOYMENT OF ENGINEERS FOR ANTI-TRUST INVESTIGATION
(31) The Board of Trustees has authorized employment of special counsel to represent the University in connection with a suit filed February 5, 1962, in the Federal District Court for the Northern District of Illinois (Case 62 C 362) against eighteen electrical manufacturers who were involved in an electrical equipment price-fixing conspiracy which was the subject of federal anti-trust action in 1960 and 1961. The complaint seeks recovery of treble damages under the Sherman and Clayton Anti-trust Laws, for overcharges on purchases of electrical equipment by and for the University during the period of the conspiracy.
The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the engineering firm of Brown, Manthei, Davis, and Mullins, Champaign, for investigative engineering services to prepare the necessary technical data needed by the special counsel in developing the University's case. Payment will be on the basis of actual costs of services of personnel used by the firm and office expenses, plus 100 per cent for overhead and fee; travel expenses and living costs of personnel while away from Champaign-Urbana will
be reimbursed on a cost basis without overhead allowance. The estimated cost of these services is $20,000 which will be charged to Physical Plant Department funds budgeted for architectural services, this account to be reimbursed from damages when recovered.

I concur.

On motion of Mr. Williamson, this recommendation was approved. Mr. Johnston was recorded as not voting.

**COMPTROLLER’S REPORT OF CONTRACTS**

(32) The Comptroller’s report of contracts executed during the period June 1 to 30, 1962.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Dairy Association</td>
<td>Relationship between dietary fat and composition of blood lipids</td>
<td>$12 000 00</td>
<td>May 18, 1962</td>
</tr>
<tr>
<td>The American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.</td>
<td>Selection and application of air-conditioning devices</td>
<td>10 000 00</td>
<td>February 1, 1962</td>
</tr>
<tr>
<td>The American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.</td>
<td>Safety with high-temperature water systems</td>
<td>10 000 00</td>
<td>February 1, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project No. 17-103</td>
<td>Kinship systems and emotional disturbance in children</td>
<td>43 627 00</td>
<td>June 8, 1962</td>
</tr>
<tr>
<td>United States Air Force AP-APOS-62-419</td>
<td>A specialized type of seismic research</td>
<td>28 800 00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 33(657)8460</td>
<td>Problems related to antennas</td>
<td>150 000 00</td>
<td>June 5, 1962</td>
</tr>
<tr>
<td>United States Army DA-ARO (D) 31-124-G40</td>
<td>Theoretical problems in solid state and low-temperature physics</td>
<td>121 740 00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>United States Atomic Energy Commission NSE 29-2-62</td>
<td>Grant for acquisition of equipment to be used in nuclear science and engineering</td>
<td>8 673 00</td>
<td>May 18, 1962</td>
</tr>
<tr>
<td>United States Federal Housing Administration HA (...) fh-847</td>
<td>Storage space needs for families in single family residences</td>
<td>3 125 00</td>
<td>May 21, 1962</td>
</tr>
<tr>
<td>United States Peace Corps PC-(W)-84</td>
<td>Training for teaching project in India</td>
<td>160 566 00</td>
<td>May 16, 1962</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$518 531 00</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Contract Changes**

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illinois State Library</td>
<td>Problems related to rural library development</td>
<td>$ 35 000 00</td>
<td>June 4, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project 1766</td>
<td>The educability of psycholinguistic functions in retarded children</td>
<td>20 901 00</td>
<td>June 8, 1962</td>
</tr>
<tr>
<td>United States Agricultural Research Service 12-14-190-A-er-52</td>
<td>Weekly release during the active season of information on insect control</td>
<td>4 999 92</td>
<td>May 17, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 41(657)332</td>
<td>Quantitative determinations of gaseous tissue nitrogen in animals exposed to various simulated altitudes</td>
<td>500 00</td>
<td>May 18, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 49(638)594</td>
<td>Meson photoproduction and meson interactions using a liquid hydrogen-deuterium-helium bubble chamber</td>
<td>6 825 95</td>
<td>May 22, 1962</td>
</tr>
<tr>
<td>United States Army DA-ARO (D) 31-124-G72</td>
<td>Reactions of the nitrogen oxides</td>
<td>8 820 00</td>
<td>May 18, 1962</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 415</td>
<td>Unclassified research on electronic high-speed digital computers</td>
<td>150 000 00</td>
<td>March 1, 1962</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 758</td>
<td>Basic research relating to atomic energy</td>
<td>22 046 00</td>
<td>June 1, 1962</td>
</tr>
</tbody>
</table>
With Whom        Purpose                                      Amount to be Paid to the University  Effective Date
United States Atomic Energy Commission AT (11-1) 790  Ribonucleic acid in the accumulation of ions by plant cells  $ 10 834 00  June 1, 1962
United States Atomic Energy Commission AT (11-1) 903  Mechanism of biologically catalyzed reactions and the metabolites and pathways in which they function  36 300 00  June 1, 1962
United States Atomic Energy Commission AT (11-1) 1035  Causes of erythrocyte auto-mosaicism  55 000 00  May 1, 1962
United States Navy Nom 1834 (31)  Spectral reflectance characteristics of forest vegetation  26 358 00  June 12, 1962
VioBin Corp.  Value of wheat germ oil in physical fitness programs  4 800 00  June 6, 1962
Total                                      $382 384 87

Adjustments Made in 1961-62 Cost-Plus Contracts

With Whom        Purpose                                      Amount  Date
E. T. Drewitch (Plastering)  Twenty items: $183.17 deduct to $200.00  $ 296 54  April, May, and June, 1962
M. E. Hollett (Painting)  Three items: $118.83 deduct to $33.61 (deduct)  167 65  May, 1962
Total                                      $ 128 89

This report was received for record.

PURCHASES

(33) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

Chicago Colleges and Divisions

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One gas chromatograph consisting of beta ionization system, recorder, microcapillary sample injection, and flow controller</td>
<td>Aeromedical Laboratory</td>
<td>Research Specialties Co., Des Plaines</td>
<td>$4 385 00 delivered</td>
</tr>
<tr>
<td>One photomicroscope and accessories</td>
<td>Anatomy</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>4 747 48 (net) delivered</td>
</tr>
<tr>
<td>One lot of laboratory supplies including assorted glassware, clamps, filter paper, rubber stoppers, and chemicals</td>
<td>Chemistry, College of Pharmacy</td>
<td>Chicago Apparatus Co., Chicago</td>
<td>4 641 79 (net) delivered</td>
</tr>
<tr>
<td>Three binocular microscopes with condensers and transformer</td>
<td>Dental Orthodontics</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>4 342 20 (net) delivered</td>
</tr>
<tr>
<td>One stereoscopic microscope with lamp and transformer</td>
<td>Pharmacy Stores</td>
<td>The Upjohn Co., Chicago</td>
<td>3 168 00 delivered</td>
</tr>
<tr>
<td>40,000 tolbutamide tablets 0.5 gm., representing a six-month supply, to be used in the treatment and control of diabetes</td>
<td>Pharmacy</td>
<td>E. R. Squibb &amp; Sons, Franklin Park</td>
<td>2 940 00 delivered</td>
</tr>
<tr>
<td>20,000 tetracycline V capsules, 250 mg.; this product is a broad spectrum antibiotic used in the treatment of bacterial and viral infections, and represents a three-month supply</td>
<td>Research and Educational Hospitals, Clinics</td>
<td>V. Mueller &amp; Co., Chicago</td>
<td>3 310 00 f.o.b. delivered</td>
</tr>
<tr>
<td>One lot of hospital furniture and equipment consisting of 18 examining tables, two formaldehyde generators, one instrument cabinet, nine stools, and four examining lights</td>
<td>Medical Center Stores</td>
<td>Oneida, Ltd., Chicago</td>
<td>5 591 43 (net) delivered</td>
</tr>
<tr>
<td>Stainless steel flatware consisting of 424 dozen knives, 451 dozen forks, 850 dozen teaspoons, 326 dozen soup spoons, 260 dozen ice tea spoons, and 102 dozen bouillon spoons, to be used by the various food service and dietary departments at the Medical Center</td>
<td>Physical Plant</td>
<td>Iden Manufacturing Co., Inc., Chicago</td>
<td>4 029 00 delivered</td>
</tr>
<tr>
<td>Eighty-five dozen unbleached duck laundry hamper bags</td>
<td>Biological Chemistry</td>
<td>Vanguard Instrument Co., La Grange</td>
<td>2 800 00 delivered</td>
</tr>
</tbody>
</table>
### Urbana-Champaign Departments

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One amino acid analyzer with preparative column and stream divider accessory, special peptide elution accessory, and resin supply</td>
<td>Animal Science</td>
<td>Beckman Instruments, Inc., Beckman/Spinco Division, Lincolnwood</td>
<td>$15 198 80</td>
</tr>
<tr>
<td>110 drafting tables, 68 in. long by 35 in. deep by 35 5/8 in. high</td>
<td>Architecture</td>
<td>Brodhead-Garrett Co., Cleveland, Ohio</td>
<td>8 789 00</td>
</tr>
<tr>
<td>One centrifuge, refrigerated, with one six and one eight-place head, trunion rings, alloy cups, and stainless steel shield</td>
<td>Botany</td>
<td>Scientific Products Division, American Hospital Supply Corp., Evanston</td>
<td>2 812 40</td>
</tr>
<tr>
<td>One metallurgical and ceramic polishing apparatus with eight-inch back panels, two twelve-inch wash bowls with complete wiring and plumbing</td>
<td>Ceramic Engineering</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>2 769 50</td>
</tr>
<tr>
<td>Two low-speed polisher with eight-inch wheels with bowl and drain, with 48 and 72 R.P.M. speeds</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One polishing machine with eight-inch wheel with bowl and drain with 100 to 1200 R.P.M. speeds</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three polishing attachments to fit eight-inch polisher</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>This equipment is to be used to polish specimens for the microscopy laboratory</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One pump, diffusion, mercury, nine-inch</td>
<td>Chemistry and Chemical Engineering</td>
<td>Edwards High Vacuum, Inc., Grand Island, N.Y.</td>
<td>4 960 00</td>
</tr>
<tr>
<td>Four pumps, diffusion, mercury, six-inch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One baffle, water cooled, chevron, nine-inch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One liquid nitrogen trap, nine-inch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Four liquid nitrogen traps, six-inch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One mass spectrometer, range to 1500 (m/e), with electron multiplier measurement of mass peaks, rapid scan, double collector instrument, and provisions for positive and negative ion mass spectra</td>
<td>Chemistry and Chemical Engineering</td>
<td>Atlas Mess-und Analysetechnik GmbH, Bremen 10, Germany</td>
<td>91 467 22</td>
</tr>
<tr>
<td>One lot of laboratory apparatus, including laboratory glassware, porcelainware, filter papers, heating mantles, to be used in setting up a new teaching laboratory for the fall semester</td>
<td>General Chemical Stores</td>
<td>Wilkens-Anderson Co., Chicago</td>
<td>11 485 75</td>
</tr>
<tr>
<td>Three each paper tape data preparation equipment to provide the primary source of input data for the computers located in the Coordinated Science Laboratory</td>
<td>Coordinated Science Laboratory</td>
<td>Friden, Inc., Pearsia Heights</td>
<td>8 985 00</td>
</tr>
<tr>
<td>One pulse, rise time of 0.1 microsecond, 20 amp DC filament transformer 500 watt, designed to pulse any number of loads requiring 1 megawatt peak power, peak pulse voltage 35 KV, repetition rate 20pps maximum</td>
<td>Coordinated Science Laboratory</td>
<td>Burmac Electronics Co., Inc., Rockville Center, N.Y.</td>
<td>4 495 00</td>
</tr>
<tr>
<td>Vacuum tubes as replacements for use in Illiac Computer, approximately one-year supply, as follows: 200 Type 6A65 400 Type 6J6 400 Type 5687 400 Type 5844 100 Type 6136 100 Type 815</td>
<td>Digital Computer Laboratory</td>
<td>Baptist Electronic Supply, Jacksonville</td>
<td>4 106 70</td>
</tr>
<tr>
<td>One gas chromatograph, automatic with recorder and signal switch for use in separating organic mixtures into their component parts and in the purification of radioactive mixtures in the Radiocarbon Laboratory</td>
<td>Graduate College, Radiocarbon Laboratory</td>
<td>Wilkens Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>3 727 65</td>
</tr>
<tr>
<td>12,150 feet grounding mats, wire, copper, nine-inch mesh</td>
<td>Electrical Engineering</td>
<td>Copperweld Steel Co., Glassport, Pa.</td>
<td>22 222 37</td>
</tr>
<tr>
<td>163 feet grounding mats, wire, copper</td>
<td>Electrical Engineering</td>
<td>Erico Products, Inc., Cleveland, Ohio</td>
<td>3 150 00</td>
</tr>
<tr>
<td>21,000 connectors, thermite process</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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*1962*
Item | Department | Vendor | Cost
--- | --- | --- | ---
Six oscilloscopes, rack mount, passband DC-450KC, vertical sensitivity 1 mv/cm to 20 V/cm in 14 calibrated steps, sweep range 1 microsecond/cm to 5 seconds/cm, 21 calibrated sweep rates, sweep magnification 2,5,10,20, and 50 times | Electrical Engineering Research Laboratories | Tektronix, Inc., Park Ridge | $3,930 00 f.o.b. Beaverton, Oregon
Two high stability quartz oscillators, long-term stability of 5 parts in 10^5; output frequencies 1 MC, 100 KC, 22-30 volts input | Electrical Engineering | Hewlett-Packard Co., c/o Crossey Associates, Inc., Chicago | 20,000 00 f.o.b. Palo Alto, Calif.
Four frequency dividers and clock, frequency 100 KC; input voltage 0.5 to 5 volts | Electrical Engineering | Digitronics Corp., c/o Loren F. Green & Associates, Chicago | 2,919 60 f.o.b. delivered
One data processing system, on-line type, consisting of a computer with data input and output accessories, complete with maintenance agreement, for one year renewable | Electrical Engineering | Bendix Corp., Los Angeles, Calif. | 428,098 00 f.o.b. delivered and installed
Two readers, photoelectric, paper tape, unidirectional 300 characters per second with stop on character, handles 11/16 in. and 1 in. tape | Mining, Metallurgy, and Petroleum Engineering | Instron Engineering Corp., Park Ridge | 19,224 00 f.o.b. delivered
One crystal growing furnace, capable of operating at inert gas atmosphere or in a vacuum with a crucible lifting mechanism and temperature programmer and controller for growing single crystals of controlled purity for solid state research in Physics | Physiology and Biophysics | Offner Division, Beckman Instruments, Inc., Lincolnwood | 2,553 00 f.o.b. delivered
One Dewar vessel, liquid helium five liter capacity, for use in low-temperature materials research to maintain samples of solids formed from condensed gases at temperatures in the range of 2 to 80 degrees Kelvin (temperatures measured from absolute zero --273.18 degrees C) | Physics | Linde Co., Chicago | 3,116 00 f.o.b. delivered
Two special aluminum-silver alloy bars, 50 cm by 1.27 cm by 1.27 cm, base material to be 99.999 per cent aluminum; produced according to the specifications of the Physics Department staff; the material is to be used to measure equilibrium concentration of vacancies in aluminum-silver alloys | Materials Research Corp., Orangeburg, N.Y. | 3,000 00 f.o.b. delivered
One continuous electrophoresis apparatus for use in the research studies of antibody formations in swine and anaplasmosis of cattle | Veterinary Medicine | Fisher Scientific Co., Chicago | 4,100 00 f.o.b. delivered
One special inspection conveyor, 24 in.

Scoring service for approximately 65,000 special answer sheets used in conjunction with the testing program of the Bureau of Educational Research.

Television equipment including: camera, control chassis, deflection chassis, remote control panel, television tube, 50 ft. cable, power supply, centering chassis, optical multiplexer for two 16 mm. projectors and one slide projector, 1 in. lens f/1.9, video switcher, and rack mount adapter for monitor.

One duplicator, offset, with 9½ in. by 13 in. image area, equipped with auxiliary vibrator roller, centrifugal clutch, mechanical logger, oscillating repelex rider roller, chrome plated master cylinder and impression cylinder, double sheet eliminator, light fixture, and work organizer.

Wood office furniture including desks, one conference desk, four cres tas, and one pedestal table.

One special feed elevator, 12 in. wide by 10,560 ft. cable, power supply, centering chassis, optical multiplexer for two 16 mm. projectors and one slide projector, 1 in. lens f/1.9, video switcher, and rack mount adapter for monitor.

Carpets and pads to replace present carpets in the Wedgwood Lounge of the Illini Union:
One each carpet and pad, 21 ft. 6 in. wide by 30 ft. 4 in. long.
Two each carpets and pads, 12 ft. wide by 33 ft. 4 in. long.

Two barn cleaners to be furnished and installed in Dairy Barns.

3,000 feet fencing, non-climable, with three strands of barbed wire attached to inclined extension arms, with 300 H column line posts, including three six-foot gates, terminal posts, and brace assemblies, completely installed.

10,560 feet fence chain link, six feet high, No. 9 gauge wire woven into a 2-inch mesh, with angled extension arms and three strands of barbed wire, with two 16-foot double gates, to enclose the Pell Farm fruit research area.

Furnish equipment, labor, and materials for the fine grading of the base course, the bituminous concrete surface course and bituminous concrete curbing for the parking area and service drives at Robert Allerton Park, Monticello.

One truck, 14-foot bed, less trade-in of 1956 truck, 14-foot bed, with approximate mileage of 150,000, to be used at the Dixon Springs Experiment Station.

Item | Department | Vendor | Cost | Description
--- | --- | --- | --- | ---
Print and bind 1,500 copies of *Approaches to the Study of Aphasia*, by Charles E. Osgood and Murray Miron, trim size 6 in. by 9 in., approximately 224 pages per copy | University Press | North Central Publishing Co., St. Paul, Minn. | $2,679 60 f.o.b. | delivered
Scoring service for approximately 65,000 special answer sheets used in conjunction with the testing program of the Bureau of Educational Research | Office of Educational Testing | Measurement Research Center, Inc., Iowa City, Iowa | 7,800 00 f.o.b. | delivered
Television equipment including: camera, control chassis, deflection chassis, remote control panel, television tube, 50 ft. cable, power supply, centering chassis, optical multiplexer for two 16 mm. projectors and one slide projector, 1 in. lens f/1.9, video switcher, and rack mount adapter for monitor | Instructional Television | RCA Broadcast and Communications Products Division, Camden, N.J. | 8,523 25 f.o.b. | delivered
One duplicator, offset, with 9½ in. by 13 in. image area, equipped with auxiliary vibrator roller, centrifugal clutch, mechanical logger, oscillating repelex rider roller, chrome plated master cylinder and impression cylinder, double sheet eliminator, light fixture, and work organizer | Stenographic Service | Addressograph-Multigraph Corp., Peoria | 3,368 15 f.o.b. | delivered
Wood office furniture including desks, cabinets, and table, walnut finish, for use in the Health Service Addition to McKinley Hospital: Items to be furnished: six typewriter desks, 19 flat-top desks, one conference desk, four credenzas, and one pedestal table | Office Supply Storeroom | Jack Sheean, Bloomington | 3,652 32 f.o.b. | delivered
One special feed elevator, 12 in. wide by 90 in. discharge at center line of head pulley | Housing Division | Food Machinery & Chemical Corp., Hoopston | 10,294 65 f.o.b. | delivered
One special grade rotary blander | Housing Division | Sears-Roebuck & Co., Springfield | 2,818 40 f.o.b. | delivered
One special inspection conveyor, 24 in. wide by 12 ft. long | Housing Division | L. B. Herbst Corp., Chicago | 3,982 80 f.o.b. | delivered
Twenty-six refrigerators, 9 cubic-foot capacity, white enamel finish, with nonautomatic defrost, for delivery to the Orchard Downs Apartments by August 15, 1962 | Illini Union | L. B. Herbst Corp., Chicago | 3,982 80 f.o.b. | delivered
Carpets and pads to replace present carpets in the Wedgwood Lounge of the Illini Union:
One each carpet and pad, 21 ft. 6 in. wide by 30 ft. 4 in. long.
Two each carpets and pads, 12 ft. wide by 33 ft. 4 in. long. | Dairy Science | New Idea Farm Equipment Co., Sandwich | 4,312 74 f.o.b. | delivered and installed
Two barn cleaners to be furnished and installed in Dairy Barns | Horticulture | Cyclone Fence Department, American Steel & Wire Division, U. S. Steel Corp., Bloomington | 4,336 00 f.o.b. | delivered and installed
Horticulture | Cyclone Fence Department, American Steel & Wire Division, U. S. Steel Corp., Bloomington | 23,871 40 f.o.b. | delivered and installed
Robert Allerton Park | Champaign Asphalt Co., Champaign | 20,689 15 f.o.b. | delivered and installed
Dixon Springs Experiment Station | International Harvester, Springfield | 3,100 00 f.o.b. | delivered
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,500 feet cable, telephone, No. 22 AWG, solid annealed conductors, 100 pairs, with polyethylene insulation for use in low-voltage signal service, other than telephone communications, for Abbott Power Plant, Assembly Hall, Central Food Stores, and Physical Plant Service Building</td>
<td>Physical Plant</td>
<td>Danville Electric Supply Co., Danville</td>
<td>$3,445.00 f.o.b. delivered</td>
</tr>
<tr>
<td>15,000 gallons asphalt, 2,000 gallons road oil, 725 tons limestone chips to be used in various areas throughout the campus for small resurfacing jobs</td>
<td>Physical Plant</td>
<td>Parro Construction Corp., Urbana</td>
<td>$6,645.00 f.o.b. delivered</td>
</tr>
<tr>
<td>568 light fixtures, fluorescent (Group I) 138 light fixtures, fluorescent, strip type, one light (Group II) To be installed in main Library to replace present incandescent fixtures which are considered unsatisfactory in respect to modern lighting standards</td>
<td>Physical Plant</td>
<td>Danville Electric Supply Co., Danville</td>
<td>14,266.40</td>
</tr>
<tr>
<td>180 light fixtures, fluorescent, 8 ft. long, 12 in. wide, &quot;A&quot; sound rated ballasts, prism oil louver, with 259 fixture hangers, to be used to replace incandescent fixtures in various classrooms, which are now considered unsatisfactory in respect to modern lighting standards</td>
<td>Physical Plant</td>
<td>Tepper Electric Supply Co., Champaign</td>
<td>5,211.98 f.o.b. delivered</td>
</tr>
<tr>
<td>One trash container, 30 cubic yard capacity, top doors to occupy 85 per cent of top area and open perpendicular to the long axis, suitable for use with truck-mounted hoist equipment for use at the new Pennsylvania Avenue Residence Halls</td>
<td>Physical Plant</td>
<td>Coleman &amp; Associates, Rockford</td>
<td>2,793.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Three sedans, compact, four-door, 1962 model Two station wagons, four-door, nine-passenger, 1962 model Fifteen sedans, standard, four-door, 1962 model To replace present vehicles in the University fleet</td>
<td>Physical Plant</td>
<td>University Ford Sales, Inc., Champaign</td>
<td>2,100.00 1,300.00 3,050.00</td>
</tr>
<tr>
<td>Furniture for 76 guest rooms for the Illini Union Addition, as per layout and selection by the interior decorator for the building</td>
<td>Illini Union</td>
<td>Duo-Bed Corp., Chicago</td>
<td>50,554.63 f.o.b. delivered</td>
</tr>
</tbody>
</table>

On motion of Mr. Williamson, these purchases were authorized.

**ACQUISITION BY CONDEMNATION OF PROPERTY AT 1009 WEST GREEN STREET, URBANA**

(34) At its February, 1962, meeting, the Board of Trustees adopted a resolution declaring that the property at 1009 West Green Street, Urbana, Illinois, and owned by Edith Pearl Sidell, was needed by the University for a site for residence hall buildings and related educational purposes, that the compensation to be paid for the property could not be agreed upon with the owner, and that title to the land should be acquired by the exercise of the right of eminent domain through the institution and prosecution of condemnation proceedings.

The condemnation suit was tried in the Circuit Court of Champaign County, Illinois, before a jury on July 9, 10, and 11, 1962, culminating in an award by the jury of $83,250 as the fair cash market value of the property for its highest and best use on March 29, 1962 (the date the condemnation petition was filed), and judgment was entered on the verdict. The jury's award was within the range.
of the testimony adduced from expert witnesses at the trial, and is between the
valuations placed upon the property by the witnesses who testified for the Univer-
sity and those who testified for the defendant. For a period of thirty days from
and after July 11, 1962, either side may file a motion for a new trial. If no such
motion is filed, the court will thereafter enter a final order specifying the time
within which the University must pay the amount of the verdict if it still desires
to acquire title to the property.

The Legal Counsel states that certain rulings of the court during the trial
of the case could support the filing of a motion for a new trial. However, since
the jury's verdict was within the range of the testimony as to value, and since
construction on the site is scheduled to commence later this year, the Legal
Counsel, the Director of the Physical Plant, and the Vice-President and Com-
troller recommend that the University abide by the judgment entered upon the
verdict, that no post-trial motion be filed by the University, and that, when the
final order is entered, the property be acquired by the payment to the defendant
of the amount awarded her by the jury in its verdict.

I concur.

On motion of Mr. Pogue, this recommendation was approved.

REPORT AND RECOMMENDATION OF THE COMMITTEE
ON BUILDINGS AND GROUNDS ON RELOCATION
OF THE ALMA MATER STATUARY

Mr. Pogue, for the Committee on Buildings and Grounds, submitted
the following report.

A request from the Board of Directors of the University of Illinois Alumni
Association that the Lorado Taft Alumni statuary group be moved from south of
the University Auditorium to the area in front of Altgeld Hall and the Illini
Union, facing the intersection of Wright and Green Streets, was formally pre-

tested to the Board of Trustees on June 20, 1962, and was referred to the Com-

mittee on Buildings and Grounds.

The Committee has previously had this matter under consideration pursuant
to an informal report submitted by the Physical Plant Department. At a meeting
of the Committee held on July 17, Mr. Paul K. Breshe, Treasurer of the Alumni
Association and a member of its Board of Directors, appeared before the Com-
mittee in support of the Association's request. He stated that the Alumni Asso-
ciation Board has been discussing this matter for three or four years, and finally
requested the Physical Plant Department to study all possible and appropriate sites
where the statuary would be on the periphery of the campus, and preferably at
some entrance point. At a meeting of the Board of Directors of the Alumni
Association held on June 2, the Board endorsed the site recommended by the
Physical Plant Department as meeting the desired criteria, and voted to provide
the funds for the cost of moving the statuary and the construction of a suitable
base on the new site.

Following public announcement of the Alumni Association's request, a number
of letters were received from students objecting to the proposed relocation of the
statuary, and some letters were received from alumni and others in support of
the change. Copies of these letters had previously been sent to all members of the
Committee on Buildings and Grounds and other Trustees, and were presented for
record at the meeting on July 17.

The Committee recommends the relocation of the Alma Mater statuary in
the area in front of Altgeld Hall and the Illini Union as proposed to the Board
of Trustees on June 20, 1962.

On motion of Mr. Pogue, this recommendation was approved.

MEMORIAL TO JOHN STELLE

Mr. Dilliard offered the following memorial and moved its adoption:

The Board of Trustees of the University of Illinois records with sorrow the
passing on July 5, 1962, of John Stelle, former Governor of Illinois and a former
ex officio member of this Board.

Born in McLeansboro, Illinois, August 10, 1891, he received his education in
the public schools of that city, at Western Military Academy, and at Washington
University Law School at St. Louis. At the beginning of World War I in 1917, he enlisted in the United States Army. As a First Lieutenant, he commanded Company B, 115th Machine Gun Battalion, 30th Division, and after seventeen months of service in France he returned home a Captain. While overseas, he was wounded and severely gassed in combat.

In 1931 he entered public service at the state level, having been appointed Assistant State Treasurer, which post he held until 1933 then he was appointed Assistant State Auditor. He served in that post until 1935 when he took office as State Treasurer, having been elected in November, 1934. In 1936 he was elected Lieutenant Governor of Illinois and was President of the State Senate for two sessions of the General Assembly of Illinois. He served as Acting Governor for several months in 1939 and, upon the death of Governor Henry Horner on October 6, 1940, he became Governor, serving as the state's Chief Executive until expiration of that term of office on January 12, 1941.

He was one of the organizers of the American Legion and served as its National Commander during 1945 and 1946.

He was a frequent visitor to the University of Illinois during his years of public service and took a special interest in the affairs of the University while serving as Acting Governor and Governor of the state of Illinois.

Although his service in public office, and as an attorney and industrialist in private life, will be duly reported in the histories of Illinois, the Board of Trustees of the University wishes to record in today's meeting a tribute to the late Governor John Stelle, a former colleague and a friend of the University; and the Board directs that this memorial be included in the minutes of today's meeting and that suitable copies be sent to members of his family as an expression of sympathy in their loss.

The memorial was unanimously adopted.

AUGUST, SEPTEMBER, AND OCTOBER MEETINGS

The Board has voted to omit the August meeting, but a number of construction contracts will need to be awarded so that work can be started promptly to take advantage of favorable weather conditions, and other business which can not be deferred until the September meeting of the Board will need to be transacted in August. President Clement stated that he will call a meeting of the Executive Committee for this purpose and that all the Trustees will be invited to attend and participate in these discussions.

Under the By-Laws of the Board, the September meeting will be held on Wednesday, September 19, 1962, unless changed by vote of the Board or by order of its President.

On motion of Mr. Johnston, the Board voted to hold the meeting on this date and at Robert Allerton Park, according to a schedule to be determined by the President and Secretary of the Board.

On motion of Mr. Johnston, the Board voted to hold the October meeting on Wednesday, October 17, 1962 (the date specified in the By-Laws), in Chicago.

ASSOCIATION OF GOVERNING BOARDS OF STATE UNIVERSITIES AND ALLIED INSTITUTIONS

President Clement announced that the annual fall meeting of the Association of Governing Boards of State Universities and Allied Institutions will be held at the University of Michigan in Ann Arbor, on October 9-13, and that he is designating Mrs. Frances B. Watkins as an official representative of the Board for this meeting.

RECESS AND EXECUTIVE SESSION

President Clement stated that an executive session has been requested,
and was being ordered, for consideration of property acquisitions and a copyright matter, and that this session will be held immediately after luncheon.

On motion of Mr. Williamson, the Board recessed.

When the Board reconvened in executive session, the same members of the Board, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes, with the exception of Mr. Wilkins.

The Board considered the following items of business.

**RELEASE OF BOTANICAL CHARTS TO ARTIST FOR PUBLICATION**

(1) Miss Natalie H. Davis, Scientific Artist in the Department of Botany, has prepared a series of charts during the past ten years for use in botany classes. She now has the opportunity to publish eleven of these charts, nine of which were completed before 1958, plus five new charts still to be prepared. Since Miss Davis has been specifically commissioned to prepare the charts as part of her regular University duties, they belong to the University under the provision of the Statutes governing copyrights.

Professor Wilson N. Stewart, Chairman of the Department of Botany, recommends that the University relinquish its publication rights in these charts to Miss Davis, including any royalties that might result from the sale of the charts. It is Professor Stewart's opinion that the royalties would be small in any case.

The Executive Vice-President and Provost and the Vice-President and Comptroller endorse Professor Stewart's recommendation.

I concur.

On motion of Mrs. Watkins, this recommendation was approved.

**ACQUISITION OF THE PROPERTY AT 1109 WEST ILLINOIS STREET, URBANA**

(36) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 1109 West Illinois Street, Urbana, Illinois, at a price of $32,000. The property consists of a lot 65 feet wide and 150 feet deep with a two-story and basement frame residence. The building will be removed and the land will be part of an area to be developed for parking facilities replacing those lost when construction is started on the Illinois Street Residence Hall. The price is within appraisals.

Possession will be delivered not later than October 1, 1962, and taxes will be prorated.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, purchase of this property, at the price and on the terms indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Harewood, Mr. Kerner, Mr. Swain, Mr. Wilkins.

**SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations and declinations; leaves of absence.

**APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ABBOTT, BERNARD C., Visiting Professor of Physiology and Biophysics, July 1-September 15, 1962, $3,888.90 (6-18-62).
ABILDGAARD, CHARLES F., Assistant Professor of Pediatrics (Medicine), two months from July 1, 1962, $11,500 a year, supersedes (6-27-62).

ADKINS, FRANK B., Professor of Zoology, two months from June 16, 1962, $3,000; this is in addition to his present appointment (6-11-62).

ADLER, FELIX T., Professor of Nuclear Engineering, Summer Session of 1962, ½ time, June 18-August 11, 1962, $1,734 for the period, supersedes previous Summer Session (6-4-62); and Professor of Physics and of Nuclear Engineering (C), ½ time, two months from June 16, 1962, $1,733; this is in addition to his present appointment and to his Summer Session appointment (6-4-62).

AKAGI, JAMES M., Research Associate in Microbiology, June 16-August 31, 1962, $2,250 (6-18-62).

ALTSTETTER, CARL J., Assistant Professor of Physical Metallurgy (C), June 16-August 31, 1962, $866.67 a month, additional and superseding (6-27-62).

ANDERSON, MRS. ROBERTA H., Visiting Lecturer in Education, Summer Session of 1962, June 18-August 11, 1962, $1,300 for the period (6-20-62).

ANKUDAS, MILDA M., Research Assistant in Microbiology (Medicine), three months from July 1, 1962, $444.44 a month (6-21-62).

ANTON, THOMAS J., Assistant Professor in the Bureau of Community Planning (College of Fine and Applied Arts) and in the Institute of Government and Public Affairs, June 16-July 31, 1962, $800 a month (6-18-62).

ARCHER, WILLIAM K., Research Assistant Professor in the Institute of Communications Research, June 15, 1962-August 31, 1963, without salary (6-29-62).

ARIENS, PHYLLIS J., Language Therapist in Speech Summer Residential Program, Summer Session of 1962, 45/100 time, June 18-August 11, 1962, $400 for the period (6-8-62).

ARMSTRONG, PAULINE B., Assistant Professor of Psychology, July 1, 1962-August 31, 1963, $8,100 a year (6-11-62).

BAILEY, ALBERT D., Professor of Electrical Engineering (C), two months from June 16, 1962, $1,333.33 a month; this is in addition to his present appointment (6-11-62).

BANKS, EDWIN M., Research Assistant Professor in the Division of General Studies, June 16-August 31, 1962, $833.34 a month; this is in addition to his present appointment (6-10-62).

BARRON, EDMUND M., Research Associate in Physiology, two months from June 16, 1962, $1,400 (6-14-62).

BHANDAWAT, RAMA KANT, Research Assistant in Entomology, two months from June 16, 1962, $888.88 (6-8-62).

BILOKUR, BORYS, Assistant in Russian, Summer Session of 1962, June 18-August 11, 1962, $889 for the period, supersedes previous Summer Session appointment (6-27-62).


BLAIR, LEON N., Assistant Professor of General Engineering (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 17, 1962, $1,734 for the period (6-8-62).
BLEVINS, WILLIAM B., Resident Manager, Peabody Drive Residence Halls, June 11-August 31, 1962, $350 a month, supersedes (6-29-62).

BLISS, LAWRENCE C., Associate Professor of Botany, June 16-August 15, 1962, $1,877.76; this is in addition to his present appointment (6-11-62).

BLUM, IRVING D., Associate Professor of English (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 17, 1962, $1,889 for the period (6-29-62).

BOGGESS, MRS. BARBARA S., Assistant in the Graduate School of Library Science, Summer Session of 1962, June 18-August 11, 1962, $889 for the period (6-8-62).

BOWERS, KENNETH, Counselor in the Student Counseling Service, 1/4 time, two months from June 16, 1962, $223; this is in addition to his Research Assistantship in Psychology on 1/2 time (6-18-62).

BRADFORD, JOHN, Assistant in Education (University High School), June 18-August 11, 1962, $890 (6-11-62).

BRADLEY, WAYNE E., Research Associate in the State Water Survey, one year from July 1, 1962, $6,600, supersedes (6-27-62).

BRADY, U. EUGENE, Research Assistant in Entomology, two months from June 16, 1962, $890.11 a month; this is in addition to his present appointment (6-11-62).

BUCKLEY, DONALD W., Research Associate in Education (University High School), June 18-August 11, 1962, $1,985; this is in addition to his present appointment (6-11-62).

CIZOWSKI, RAYMOND, Registered Pharmacist in Manufacturing Pharmacy (Pharmacy), June 18-August 31, 1963, $6,500 a year (6-21-62).

CLARK, DOROTHY E., Counselor in the Student Counseling Service, 3/4 time, two months from June 16, 1962, $1,225; this is in addition to her present appointment (6-20-62).

COLEMAN, PAUL D., Professor of Electrical Engineering (C), two months from June 16, 1962, $1,522.22 a month; this is in addition to his present appointment (6-18-62).

COOK, RALPH L., Professor of Ceramic Engineering (S), 1/4 time, two months from June 16, 1962, $750; this is in addition to his present appointment (6-18-62).

COOK, ROBERT L., Counselor in Speech Summer Residential Program, 17/100 time, Summer Session of 1962, June 18-August 11, 1962, $150 for the period (6-14-62).

CORTEN, HERBERT T., Professor of Theoretical and Applied Mechanics (C), June
16-30, 1962 and August 20-September 15, 1962, $1,277.78 a month; this is in addition to his present appointment (6-4-62).

Costin, Frank, Clinical Counselor in the Student Counseling Service, ½ time, two months from June 16, 1962, $1,056; this is in addition to his present appointment and to his Summer Session appointment on ½ time (6-18-62).

Craig, Susan E., Theatre Therapist in Speech Summer Residential Program, 45/100 time, Summer Session of 1962, June 18-August 11, 1962, $400 for the period (6-8-62).

Crew, John E., Research Assistant Professor of Physics (C), two months from June 16, 1962, $900 a month (6-29-62).

Cruz, Jose B., Jr., Research Associate Professor in the Coordinated Science Laboratory (C), two months from June 16, 1962, $1,044.44 a month; this is in addition to his present appointment (6-18-62).

Davies, Michael S., Assistant in Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, $889 for the period (6-8-62).

Delevoryas, Theodore, Associate Professor of Botany, one month from June 16, 1962, $1,033.33; this is in addition to his present appointment (6-11-62).

DeMarco, William, Psychologist in Speech Summer Residential Program, 45/100 time, Summer Session of 1962, June 18-August 11, 1962, $400 for the period (6-8-62).

DeWan, Edmund, Assistant in Education (University High School), June 18-August 11, 1962, $955.55 (6-8-62).

Diamond, Dale M., Research Associate in the Coordinated Science Laboratory (C), June 16-August 31, 1962, $722.22 a month, supersedes; and for the academic year beginning September 1, 1962, $6,800 (6-27-62).

Dipert, Arnold W., Instructor in Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, $1,068 for the period, supersedes previous Summer Session appointment (6-8-62).

Donovan, Dennis G., Research Assistant in English, two months from June 16, 1962, $911.10 (6-27-62).

Dulany, Donelson E., Jr., Associate Professor of Psychology, June 16-August 31, 1962, $2,513.90; this is in addition to his present appointment (6-11-62).

Eaton, John L., Research Assistant in Entomology, two months from June 16, 1962, $890 (6-29-62).

Edwards, William R., Research Associate in the Illinois State Natural History Survey, two months from July 1, 1962, $616.66 a month (6-8-62).

Ellbridge, Winfield H., Associate Professor of Astronomy, two months from July 1, 1962, $911.11 a month; this is in addition to his present appointment (6-29-62).

Ellingson, John, Research Assistant in Microbiology, two months from June 16, 1962, $888.88 (6-27-62).

Eng, Mrs. Sara, Assistant in Education (University High School), June 18-August 11, 1962, $890 (6-11-62).

Epperson, Eugene, Visiting Assistant Professor of Education (University High School), June 18-August 11, 1962, $2,000 (6-11-62).

Eriksen, Charles W., Professor of Psychology, June 16-August 31, 1962, $3,166.67; this is in addition to his present appointment (6-11-62).

Erlendborn, James W., Physician in the Health Service (Medical Center), 3/10 time, three months from June 1, 1962, $300 a month; this is in addition to his nonsalaried appointment as Clinical Assistant in Medicine (6-18-62).

Ewen, Robert B., Research Assistant in Psychology, two months from June 16, 1962, $888.88 (6-14-62).

Fenzl, Richard N., Assistant Professor of Agricultural Engineering (C and S), June 16-August 31, 1963, $8,500 a year, supersedes (6-27-62).

Fielder, Fred E., Professor of Psychology, June 16-August 31, 1962, $3,000; this is in addition to his present appointment (6-11-62).

Field, Mark G., Associate Professor of Sociology, ½ time, June 16-August 15, 1962, $722.50 a month, and full time August 16-September 15, 1962, $1,445 a month; this is in addition to his present appointment (6-29-62).

Fisher, Roger J., Research Assistant in Sociology, two months from June 16, 1962, $1,200 (6-11-62).

Flynn, James D., Supervisor of Counseling in the Student Rehabilitation Center, with rank of Instructor (College of Physical Education), four months from May 1, 1962, $541.66 a month (6-29-62).
FOGHT, MRS. MARTHA, Research Assistant in Zoology, two months from June 1, 1962, $816.66 (6-14-62).

FORSYTH, ARTHUR C., Associate Professor of Metallurgical Engineering (Civil Engineering) (S), 1/2 time, two months from June 16, 1962, $966.68; this is in addition to his present appointment (6-11-62).

FRANCKMANN, RAYMOND W., Assistant Professor of Psychology, June 16-August 31, 1962, $900 a month; this is in addition to his present appointment (6-18-62).

FRAUNFELDER, HANS, Professor of Physics and Associate Director of the Coordinated Science Laboratory (C), June 16-July 21, 1962, and September 1-15, 1962, $1,955.55 a month; this is in addition to his present appointment (6-11-62).

FREUND, ERIC C., Research Associate in the Bureau of Community Planning, two months from June 1, 1962, $641.75 a month (6-29-62).

FRIEDRICH, ALLAN G., Associate Professor of Mechanical Engineering (Civil Engineering) (S), two months from June 16, 1962, $1,755.56; this is in addition to his present appointment (6-11-62).

FROST, STANLEY H., Research Assistant in Geology, June 18-August 11, 1962, $889 (6-11-62).

GILLFILLAN, RICHARD A., Assistant in Marketing (Agricultural Economics) (S), June 16-August 31, 1962, $416.66 a month (6-29-62).


GLASER, DANIEL, Associate Professor of Sociology, two months from June 16, 1962, $2,155.56; this is in addition to his present appointment (6-11-62).

GODDEN, WILLIAM G., Associate Professor of Civil Engineering (S), two months from June 16, 1962, $2,222.24 (6-11-62).

GOLDWASSER, EDWIN L., Professor of Physics (C), July 24-August 4, 1962, $1,444.44 a month; this is in addition to his present appointment (6-18-62).

GOLLAKOTA, KRISHNAMURTY, Visiting Research Associate in the School of Life Sciences, two months from June 16, 1962, $1,200 (6-27-62).

GONZALES-OJEDA, DOLORES, Research Assistant in Microbiology, June 7-September 15, 1962, $444.44 a month (6-27-62).

GORSKI, JOHN, Assistant Professor of Physiology, two months from June 16, 1962, $1,666.66; this is in addition to his present appointment (6-11-62).

GOVINDJEE, Assistant Professor of Botany, two months from June 16, 1962, $1,555.56; this is in addition to his present appointment (6-11-62).

GREENBERG, MICHAEL J., Assistant Professor of Zoology, June 16-August 31, 1962, $2,014; this is in addition to his present appointment (6-11-62).

GREIG, PATRICIA E., Counselor in the Student Counseling Service, 1/4 time, two months from June 16, 1962, $223; this is in addition to her present appointment and to her United States Public Health Fellowship (6-18-62).


GUBACK, THOMAS H., Research Assistant in the Institute of Communications Research, two months from June 16, 1962, $888.88 (6-18-62).

HAGER, LOWELL P., Research Associate Professor of Chemistry, two months from June 16, 1962, $2,178; this is in addition to his present appointment (6-11-62).

HAYE, HAROLD W., Professor of Psychology and Associate Head of the Department, two months from June 16, 1962, $2,533.34; this is in addition to his present appointment (6-11-62).

HALL, B. VINCENT, Professor of Zoology, two months from June 16, 1962, $1,266.66 a month; this is in addition to his present appointment (6-11-62).

HALL, WILLIAM J., Professor of Civil Engineering (S), 1/2 time, two months from June 16, 1962, $1,388.90; this is in addition to his present appointment and to his Summer Session appointment on 1/2 time (6-11-62).

HALTWANGER, JOHN D., Professor of Civil Engineering (S), two months from June 16, 1962, $2,488.88; this is in addition to his present appointment (6-11-62).

HANDLER, PAUL, Associate Professor of Electrical Engineering (C), two months from June 16, 1962, $1,111.11 a month; this is in addition to his present appointment (6-11-62).

HARTLEY, THOMAS C., Associate Professor of General Engineering (Civil Engineering) (S), 1/2 time, two months from June 16, 1962, $911.12; this is in addition to his present appointment (6-11-62).

HEATH, EDWARD H., Counselor in the Student Counseling Service, 1/2 time, two
months from June 16, 1962, $700; this is in addition to his present appointment (6-18-62).

Heller, Floyd N., Assistant in Anesthesia (Department of Surgery) (Medicine), two months from May 1, 1962, without salary (6-8-62).

Hendricks, Charles D., Jr., Associate Professor of Electrical Engineering (C), two months from June 16, 1962, $1,166.67 a month; this is in addition to his present appointment (6-27-62).

Henry, John A., Counselor in the Student Counseling Service, two months from July 1, 1962, $2,356; this is in addition to his present appointment (6-18-62).

Hirsch, Jerry, Associate Professor of Psychology, June 16-August 31, 1962, $2,444.45; this is in addition to his present appointment (6-11-62).

Hoffmann, Joseph R., Research Associate in Education (University High School), June 18-August 11, 1962, $1,800 (6-27-62).

Holland, William R., Research Associate in Anthropology, two months from June 16, 1962, $1,800 (6-27-62).

Horn, John, Research Associate in Psychology, three months from June 16, 1962, $533.33 a month (6-18-62).


Hudson, Paul K., Assistant Professor of Electrical Engineering, Summer Session of 1962, June 18-August 11, 1962, $2,000 for the period, supersedes previous Summer Session appointment (6-18-62).

Humphreys, Lloyd G., Professor of Psychology and Head of the Department, ½ time, two months from June 16, 1962, $1,888.90; this is in addition to his present appointment and to his Summer Session appointment on ½ time (6-11-62).

Hunt, J. M., Professor of Psychology, two months from June 16, 1962, $3,333.34; this is in addition to his present appointment (6-11-62).

Hunter, Ronda F., Research Assistant in Psychology, June 16-June 30, 1962, $222.22 (6-14-62).

Ingle, Lester, Professor of Zoology, two months from June 16, 1962, $2,488.88; this is in addition to his present appointment (6-14-62).

Ireland, Herbert O., Professor of Civil Engineering (S), ½ time, June 16-August 15, 1962, $1,222.22; this is in addition to his present appointment and to his Summer Session appointment (6-8-62).

Jackson, John D., Professor of Physics (C), June 16-July 15, 1962, and August 16-September 15, 1962, $1,566.66 a month; this is in addition to his present appointment (5-31-62).

Jackson, Joseph F., Professor of French, 31/100 time, June 18-August 11, 1962, $850; this is in addition to his present appointment (6-11-62).

Jacobs, Harry L., Associate Professor of Psychology, June 16-August 31, 1962, $2,444.45; this is in addition to his present appointment (6-8-62).

Jakobovits, Leon A., Research Associate in the Institute of Communications Research, three months from May 15, 1962, $722.22 a month, supersedes (6-29-62).

Jegra, Thomas C., Research Assistant in Zoology, two months from June 16, 1962, $889 (6-18-62).

Jerrard, Richard P., Assistant Professor of Mathematics, June 16-August 31, 1962, $2,528; this is in addition to his present appointment (5-31-62).

Johnson, William H., Associate Professor of Animal Science (S), two months from July 1, 1962, $1,933.34; this is in addition to his present appointment (5-31-62).


Julian, James W., Research Associate in Psychology, ½ time, two months from June 16, 1962, $355.56 a month; this is in addition to his present appointment (6-11-62).

Kendeigh, S. Charles, Professor of Zoology, one month from June 16, 1962, $1,489; this is in addition to his present appointment (6-11-62).

Keynan, Alexander, Visiting Lecturer in Chemistry, ½ time, two months from June 16, 1962, $1,000 (6-22-62).

Kien, Gerald A., Assistant Professor of Pharmacology (Medicine), two months from July 1, 1962, $1,033.34 a month; this is in addition to his present appointment (6-18-62).


Kinney, Paul T., Assistant Professor of Finance, two months from June 16, 1962, $955.56 a month; this is in addition to his present appointment (6-8-62).

Knaeve, Ronald W., Research Assistant in Ceramic Engineering (S), two months from June 16, 1962, $900 (6-29-62).

Knudson, Bonnie C., Counselor in Speech Summer Residential Program, 1/100 time, Summer Session of 1962, June 18-August 11, 1962, $150 for the period (6-14-62).

Koehler, James, Professor of Physics (C), June 16-July 31, 1962, and September 1-15, 1962, $1,611.11 a month; this is in addition to his present appointment (5-31-62).

Konz, Marvin J., Research Assistant in Chemistry, two months from June 16, 1962, $978, supersedes (6-14-62).

Koplin, Julius O., Research Associate Professor in the Coordinated Science Laboratory (C), two months from June 16, 1962, $1,077.78 a month; this is in addition to his present appointment (6-18-62).

Korst, Helmut H., Professor of Mechanical Engineering (C), two months from June 16, 1962, $3,666.66; this is in addition to his present appointment (6-18-62).

Krantz, Paul, Assistant in Education (University High School), June 18-August 11, 1962, $890 (6-11-62).

Kruidenier, Francis J., Professor of Zoology, two months from June 16, 1962, $1,112 a month; this is in addition to his present appointment (6-11-62).

Krysan, James L., Research Assistant in Entomology, two months from June 16, 1962, $888.88, supersedes (6-18-62).

Kubota, Mitsuru, Visiting Lecturer in Chemistry, two months from June 16, 1962, $1,100 (6-18-62).

Kuppermann, Aron, Research Associate Professor of Chemistry, two months from June 16, 1962, $2,045; this is in addition to his present appointment (6-18-62).

Langenheim, Ralph L., Research Assistant Professor of Geology, two months from June 16, 1962, $1,734; this is in addition to his present appointment (6-11-62).


Lathrop, Donald E., Associate Professor of Rural Sociology (Agricultural Economics) (C), 1/2 time, two months from June 16, 1962, $1,188.88; this is in addition to his present appointment (6-18-62).

Laughnan, John R., Professor of Botany, two months from June 16, 1962, $3,234; this is in addition to his present appointment (6-18-62).

Lazarus, David, Professor of Physics (C), June 16-July 15, 1962, and August 16-September 15, 1962, $1,277.77 a month; this is in addition to his present appointment (5-31-62).

Leach, James L., Assistant Coordinator of International Cooperation Programs (Provost's Office and College of Engineering), 1/2 time, two months from June 16, 1962, $556 a month; this is in addition to his present appointment (6-18-62).


Lichtenberger, William W., Research Assistant Professor in the Coordinated Science Laboratory (C), two months from June 16, 1962, $1,000 a month; this is in addition to his present appointment (6-18-62).

Lindblad, Nero R., Research Assistant in the State Water Survey, one year from July 1, 1962, $6,000, supersedes (6-27-62).

London, Perry, Assistant Professor of Psychology, June 16-August 31, 1962, $2,166.67; this is in addition to his present appointment (6-8-62).

Low, MRS. LEONE, Instructor in Mathematics, 1/2 time, June 16-August 15, 1962, and full time, August 16-31, 1962, $1,000; this is in addition to her present appointment and to her Summer Session appointment on 1/2 time (5-31-62).
LYMAN, ERNEST M., Research Professor in the Coordinated Science Laboratory (C), two months from June 16, 1962, $1,477.77 a month; this is in addition to his present appointment (6-18-62).

MACNE, XENIA, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1962, $1,033.34 a month; this is in addition to her present appointment (6-18-62).

MAJORS, JAMES S., Research Assistant in Psychology, two months from June 16, 1962, $888.88 (6-11-62).

MANWELL, CLYDE, Assistant Professor of Physiology, June 16-August 31, 1962, $2,430.55; this is in addition to his present appointment (6-6-62).

MARQUARDT, WILLIAM C., Associate Professor of Veterinary Pathology and Hygiene (Veterinary Medicine), two months from June 16, 1962, $1,056 a month (6-18-62).

MANWELL, CLYDE, Assistant Professor of Physiology, June 16-August 31, 1962, $2,430.55; this is in addition to his present appointment (6-6-62).

MAJORS, JAMES S., Research Assistant in Psychology, two months from June 16, 1962, $1,033.34 a month; this is in addition to his present appointment (6-18-62).

MACHNE, XENIA, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1962, $1,033.34 a month; this is in addition to her present appointment (6-18-62).

MANWELL, CLYDE, Assistant Professor of Physiology, June 16-August 31, 1962, $2,430.55; this is in addition to his present appointment (6-6-62).

MARQUARDT, WILLIAM C., Associate Professor of Veterinary Pathology and Hygiene (Veterinary Medicine), two months from June 16, 1962, $1,056 a month (6-18-62).

MASALSKI, WILLIAM J., Research Associate in Education (University High School), June 16-August 11, 1962, $1,800; and for the academic year beginning September 1, 1962, $8,100 (6-27-62).

MAST, P. EDWARD, Associate Professor of Electrical Engineering (C), June 16-30, 1962, $1,077.77 a month; this is in addition to his present appointment (6-18-62).

MATHIEU, JEAN M. V., Research Assistant in Entomology, two months from July 1, 1962, $990 (6-11-62).

MAURER, ROBERT J., Professor of Physics (C), June 16-30, 1962, and August 1-September 15, 1962, $1,800 a month; this is in addition to his present appointment (5-31-62).

MCCABE, MRS. NANCIE M., Research Assistant in Chemistry, three months from June 1, 1962, $500 a month (6-11-62).

McRIMMON, MRS. BARBARA J., Research Associate in the Bureau of Community Planning, time, one year from June 1, 1962, $2,925 (6-18-62).

MCCABE, MRS. NANCIE M., Research Assistant in Chemistry, three months from June 1, 1962, $500 a month (6-11-62).

MCDONALD, VINCENT J., Associate Professor of Civil Engineering (S), two months from June 16, 1962, $2,000; this is in addition to his present appointment (6-8-62).

MCMURRAY, WALTER J., Research Assistant in Chemistry, two months from June 16, 1962, $978, supersedes (6-14-62).

MEISEN, MARVIN P., Assistant in Soil Fertility (Agronomy) (S), three months from June 1, 1962, $416.67 a month, supersedes (6-18-62).

MERRITT, J. LEVERING, Associate Professor of Civil Engineering (S), two months from June 16, 1962, $1,977.78; this is in addition to his present appointment (6-18-62).

MUELLER, JOSEPH, Assistant in Education (University High School), June 18-August 11, 1962, $1,083.34 (6-18-62).

NAGATA, SHUCHI, Research Assistant in Anthropology, June 16-August 31, 1962, $1,111.10; and Research Associate in Anthropology, one year from September 1, 1962, $5,850 (6-27-62).

NALBANDOV, MRS. OLGA G., Research Associate in Entomology, ½ time, six months from March 1, 1962, $1,800 (6-11-62).

NANNEY, DAVID L., Professor of Zoology, two months from June 16, 1962, $1,477.78 a month; this is in addition to his present appointment (6-11-62).

NARASINGA-RAO, KOTCHERLAKOTA V., Research Associate in Electrical Engineering (S), three months from June 1, 1962, $625 a month, supersedes (6-8-62).

NELSON, JAMES C., Assistant in Mathematics, three months from June 16, 1962, $1,900 (6-29-62).

NELSON, WAYNE B., Assistant in Mathematics, June 16-August 31, 1962, $444.44 a month (5-31-62).

NESSERBROADE, JOHN R., Research Assistant in Psychology, June 16-August 31, 1962, $1,111.10 (6-18-62).

NEWMARK, NATHAN M., Professor of Civil Engineering and Head of the Department (C and S), ½ time, two months from June 16, 1962, $3,666.66; this is in addition to his present appointment and to his Summer Session appointment on ½ time (6-8-62).

NISHIJIMA, KAZUHIKO, Professor of Physics (C), two months from June 16, 1962, $1,555.55 a month; this is in addition to his present appointment (6-8-62).

NIXON, JAMES E., Resident Manager, Single Graduate Halls, June 11-August 31, 1962, $250 a month, supersedes; and one year from September 1, 1962, $3,000; for the convenience of the University he will also be furnished an apartment (6-27-62).

NORMANDIN, DIANE K., Instructor in Veterinary Anatomy and Histology (Veterinary Medicine), academic year beginning September 1, 1962, $6,000 (5-31-62).

OLSON, MRS. SALLY, Research Assistant in Zoology, two months from June 16, 1962, $889 (6-18-62).

PAL, DILIP K., Research Assistant in the Bureau of Community Planning, two months from June 16, 1962, $444.44 a month (6-16-62).

PANKIN, KATE, Assistant in Education (University High School), June 18-August 11, 1962, $890 (6-16-62).

PARKER, EDWIN B., Research Assistant Professor in the Institute of Communications Research, two months from June 16, 1962, $1,724.44; this is in addition to his present appointment (6-18-62).

PARKETT, JAMES, Assistant in Farm Management (Agricultural Economics) (S), two months from July 1, 1962, $911.12 (6-18-62).

PASTIKA, MRS. MADDALENA F., Assistant in Anesthesiology (Surgery) (Medicine), two months from May 1, 1962, without salary (6-11-62).

PATTERSON, EARL D., Visiting Lecturer in Education, Summer Session of 1962, ½ time, June 18-August 11, 1962, $1,000 for the period (6-18-62).

PEARSON, ROBERT E., Pharmacy Resident in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), ½ time, June 1, 1962-August 31, 1963, $1,500 a year; for the convenience of the University he will also receive room, board, and uniforms (6-18-62).

PEASE, DAVID W., JR., Assistant in Education (University High School), June 18-August 11, 1962, $1,178 (6-11-62).

PETERSON, KARLA J., Research Assistant in Physiology, two months from June 16, 1962, $888.88 (6-8-62).

POTTS, HELEN W., Visiting Lecturer in Education, July 2-August 24, 1962, $2,000 (6-8-62).

PORTER, LAURELLEN, Assistant to the Dean of Women, two months from July 1, 1962, $475 a month; for the convenience of the University she will also receive an apartment and meals while the dining rooms are in operation valued at $31 a month (6-11-62).

POTTLE, MARCIA S., Research Assistant in Chemistry, two months from July 1, 1962, $817 (6-18-62).

POWNALL, GEORGE A., Research Assistant in Sociology, two months from June 16, 1962, $1,055.56 (6-11-62).
PROSSER, C. LADD, Professor of Physiology, 1/4 time, two months from June 16, 1962, $2,000; this is in addition to his present appointment (6-21-62).  
PURUT, Mrs. SHELIA, Research Assistant in Anthropology, June 16-August 31, 1962, without salary (6-5-62).  
RABIN, MARVIN, Visiting Lecturer in Music, 1/4 time, Summer Session of 1962, June 18-August 11, 1962, $400 for the period (6-8-62).  
RABINOWITCH, EUGENE, Professor of Botany, two months from June 16, 1962, $3,111.12; this is in addition to his present appointment (6-8-62).  
RAFF, LIONEL M., Research Associate in Chemistry, two months from June 16, 1962, $1,000 (6-18-62).  
RAJAN, N. S. SUNDARA, Research Associate in the Radiocarbon Laboratory, two months from June 16, 1962, $600 a month (6-11-62).  
REINER, IRVING, Professor of Mathematics, June 16-August 31, 1962, $4,056; this is in addition to his present appointment (5-31-62).  
ROBERTS, DONALD M., Assistant Professor of Mathematics, June 16-August 31, 1962, $811.11 a month; this is in addition to his present appointment (5-31-62).  
ROBINSON, ARTHUR R., Associate Professor of Civil Engineering (S), 1/2 time, two months from June 16, 1962, $1,077.78; this is in addition to his present appointment and to his Summer Session appointment on 1/4 time (6-8-62).  
ROE, ROBERT C., Assistant in Astronomy, two months from June 16, 1962, $889 (6-14-62).  
ROE, LOUIS, Assistant in Anesthesiology (Surgery) (Medicine), three months from April 1, 1962, without salary (6-11-62).  
ROEDER, ARTHUR R., Assistant in the Institute of Aviation, two months from June 16, 1962, $465 a month (5-31-62).  
SCHULZ, ARTHUR R., Visiting Lecturer in Chemistry, Summer Session of 1962, June 18-August 11, 1962, $1,889 for the period (6-14-62).  
SHAW, GAYLORD E., Assistant in Veterinary Pathology and Hygiene (Veterinary Medicine), full time, June 16-September 15, 1962, $408.33 a month; and 2/3 time, September 16, 1962-August 31, 1963, $275 a month (6-4-62).  
SIEFF, STEWART M., Research Associate Professor in the Division of General Studies, June 16-August 31, 1962, $955.56 a month; this is in addition to his present appointment (6-11-62).  
SIEFF, CHESTER P., Professor of Civil Engineering (S), two months from June 16, 1962, $3,077.78; this is in addition to his present appointment (6-8-62).  
SIMMONS, HOWARD J., Research Assistant in Physiology, two months from June 16, 1962, $888.88 (6-11-62).  
SIMMONS, RALPH O., Associate Professor of Physics (C), two months from June 16, 1962, $966.67 a month; this is in addition to his present appointment (6-8-62).
SIMONSEN, ELAINE, Assistant in Education (University High School), June 18-August 11, 1962, $888.88 (6-8-62).

SINCLAIR, GEORGE M., Professor of Theoretical and Applied Mechanics (C), one month from June 16, 1962, and one month from August 1, 1962, $1,400 a month; this is in addition to his present appointment (6-4-62).


SINNAMON, GEORGE K., Professor of Civil Engineering (S), two months from June 16, 1962, $2,222.24; this is in addition to his present appointment (6-8-62).

SIRKIS, MURRAY D., Associate Professor of Electrical Engineering (C), two months from June 16, 1962, $1,188.89 a month; this is in addition to his present appointment (6-8-62).

SLICHTER, CHARLES P., Professor of Physics (C), June 16-July 15, 1962, and August 16-September 15, 1962, $1,888.88 a month; this is in addition to his present appointment (6-8-62).

SMITH, JAMES H., Professor of Physics (C), one month from August 1, 1962, $1,133.33; this is in addition to his present appointment (6-8-62).

SMITH, JULIUS, Instructor in Mathematics, Summer Session of 1962, June 18-August 11, 1962, $1,512 for the period (6-8-62).

SMITH, LEONEL M., Instructor in Education, Summer Session of 1962, June 18-August 11, 1962, $1,400 for the period (6-8-62).


SNYDER, HAROLD R., Associate Dean of the Graduate College and Research Professor of Organic Chemistry (Liberal Arts and Sciences), two months from June 16, 1962, $3,645; additional and supersedes (5-31-62).

SOKSEN, METE A., Associate Professor of Civil Engineering (S), 1/2 time, two months from June 16, 1962, $1,055.56; this is in addition to his present appointment and to his Summer Session appointment on 1/2 time (6-8-62).

STALLMEYER, JAMES E., Professor of Civil Engineering (S), 1/2 time, two months from June 16, 1962, $1,222.22; this is in addition to his present appointment and to his Summer Session appointment on 1/2 time (6-8-62).

STAPLETON, HARVEY J., Assistant Professor of Physics (C), two months from June 16, 1962, $800 a month; this is in addition to his present appointment (6-8-62).

STEFFENSEN, DALE M., Associate Professor of Botany, two months from June 16, 1962, $2,666.66; this is in addition to his present appointment (6-8-62).

STEGGERDA, FREDERIC R., Professor of Physiology, 1/2 time, two months from June 16, 1962, $2,138.88; this is in addition to his present appointment (6-14-62).

STEINER, IVAN D., Professor of Psychology, 1/2 time, June 16-August 15, 1962, $1,200; this is in addition to his present appointment (6-8-62).

STEPP, MARVIN C., Professor of Theoretical and Applied Mechanics (C), 1/2 time, June 16-August 9, 1962, and September 10-September 15, 1962, $600 a month; this is in addition to his present appointment and to his Summer Session appointment on 1/2 time (6-8-62).

STOJLOUROW, LAWRENCE M., Professor of Psychology, one month from June 16, 1962, $1,177.78; this is in addition to his present appointment (6-27-62).

STORCH, RICHARD H., Research Assistant in Entomology, two months from June 16, 1962, $888.88 (6-8-62).

STURMTHAL, ADOLF F., Professor of Labor and Industrial Relations, one month from June 16, 1962, $1,650; this is in addition to his present appointment (6-8-62).

SUI, DAVID K., Research Assistant in Psychology, one month from June 16, 1962, $444.44 (6-27-62).

SUZUKI, MICHIO, Professor of Mathematics, June 16-August 31, 1962, $2,000 a month; this is in addition to his present appointment (6-11-62).
SWENSON, GEORGE, Professor of Electrical Engineering and of Astronomy (Engineering), two months from June 16, 1962, $1,444.44 a month; this is in addition to his present appointment (6-18-62).

SYKES, JOHN, Research Associate in Chemistry, two months from June 16, 1962, $1,667; this is in addition to his present appointment (6-18-62).

SZABO, STEVEN, Research Associate in Education (University High School), June 16-August 11, 1962, $1,800; and for the academic year beginning September 1, 1962, $8,100 (6-27-62).

TANG, CHIEN-HUI, Research Assistant in Electrical Engineering (S), June 16-August 31, 1962, $500 a month, supersedes (6-18-62).

THURMON, JOHN C., Instructor in Veterinary Clinical Medicine (Veterinary Medicine), 7/10 time, and in Veterinary Research (Agricultural Experiment Station), 3/10 time, July 1, 1962-August 31, 1963, $7,000 a year (6-27-62).

TICHENOR, DUANE, Instructor in Education, Summer Session of 1962, June 18-August 11, 1962, $1,334 for the period (6-8-62).

TOBE, MARTIN L., Visiting Lecturer in Chemistry and Chemical Engineering, Summer Session of 1962, June 18-August 11, 1962, $1,700 for the period (6-8-62).

TUCKWOOD, O., Undergraduate Librarian in the Library, with rank of Instructor, two months from July 1, 1962, $7,400 a year, and one year from September 1, 1962, $8,200 (6-27-62).

TUMAN, VLADIMIR S., Associate Professor of Petroleum Engineering (C), June 16-August 8, 1962, $1,066.66 a month; this is in addition to his present appointment (6-8-62).

WEIDERT, JOHN F., Assistant Extension Editor, with rank of Instructor (E), July 1, 1962-August 31, 1963, $6,400 a year (6-27-62).

WEIR, MORTON W., Assistant Professor of Psychology, June 16-August 31, 1962, $2,083.33; this is in addition to his present appointment (6-8-62).
Wheatley, John C., Professor of Physics (C), August 16-September 15, 1962, $1,277.77; this is in addition to his present appointment (5-31-62).

White, Peter B., Research Assistant in Metallurgy (C), two months from July 1, 1962, $488.88 a month (6-8-62).

Wijsman, Robert A., Associate Professor of Mathematics, June 16-August 31, 1962, $2,722; this is in addition to his present appointment (5-31-62).

Wilf, Herbert S., Research Assistant Professor of Mathematics, June 16-August 31, 1962, $944.44 a month; this is in addition to his present appointment (6-11-62).

Williams, Kenneth, Research Assistant in Zoology, two months from June 16, 1962, $889 (6-14-62).

Williams, John, Research Assistant in Zoology, two months from June 16, 1962, $889 (6-18-62).

Wijisman, Robert A., Associate Professor of Mathematics, June 16-August 31, 1962, $2,722; this is in addition to his present appointment (5-31-62).

Wilf, Herbert S., Research Assistant Professor of Mathematics, June 16-August 31, 1962, $944.44 a month; this is in addition to his present appointment (6-11-62).


Windor, Donald A., Research Assistant in Zoology, two months from June 16, 1962, $889 (6-18-62).


Yen, Yao-Tung, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1962, $933.32 (6-11-62).

GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

Akitt, Donald P., General Telephone and Electronics Laboratories Fellow in Electrical Engineering, nine months from September 16, 1962, $2,500 (5-31-62).

Alcalde, Victor M., United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1962, $6,000 (6-11-62).

Allerhand, Adam, Postdoctoral Fellow in Chemistry, one year from October 1, 1962, $5,500 (6-11-62).

Arnoff, William H., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, $12,000 (6-20-62).

Aronson, Neil G., Medical Student Summer Quarter Fellow in Pediatrics, three months from June 16, 1962, $600 (6-5-62).

Aruguete, Jose, Medical Student Alternative Quarter Fellow, June 16-August 31, 1962, $200 (6-21-62).

Bagby, Roland M., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, $2,666, supersedes (6-8-62).

Bailey, Thomas E., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, $600 (5-28-62).

Baldwin, Fletcher N., Jr., Fellow in Law, Summer Session of 1962, June 18-August 11, 1962, $375 for the period (6-7-62).

Barker, Robert G., Fellow (Intern) in Government and Public Affairs, one year from July 1, 1962, $2,700 (6-12-62).

Batchelder, David N., Sprague Electric Company Teaching Fellow in Physics, nine months from September 16, 1962, $2,000 (6-19-62).

Brooker, Elmer W., Engineering Faculty Development Fellow in Civil Engineering, one year from September 1, 1962, $1,360 (6-12-62).

Buehler, Walter M., Monsanto Chemical Company Summer Fellow in Chemical Engineering, two months from September 16, 1962, $500 (6-6-62).

Burrous, Stanley E., Postdoctoral Fellow (Trainee) in Microbiology, three months from June 16, 1962, $1,050 (6-27-62).

Campbell, Mrs. Willie M., National Science Foundation Cooperative Fellow in Zoology, one year from September 1, 1962, $2,400 (6-20-62).

Castellano, Charles R., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1962, $2,000 (6-19-62).

Cherrington, Blake E., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, $3,000 (6-14-62).

Clarke, Richard B., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1962, $600 (6-4-62).

Coates, David E., Engineering Faculty Development Teaching Fellow in Nuclear Engineering, one year from September 1, 1962, $1,900 (6-12-62).

Cornet, John M., United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1962, $6,200 (6-11-62).
CUTLER, JANET A., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $500 (6-13-62).

Deal, William C., Postdoctoral Fellow (Trainee) in Chemistry, one month from July 1, 1962, $540 (6-14-62).

Dodd, George G., Television Shares Management Teaching Fellow in Electrical Engineering, nine months from September 16, 1962, $1,989 (5-31-62).

Dorosz, Leon C., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,400 (6-8-62).

Draper, Milton, United States Public Health Service Fellow (Trainee) in Physiology, July 1-September 16, 1962, $375 (6-14-62).

Edwards, John R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, $2,300 (6-11-62).

Elzinga, Marshall G., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, $2,600 (6-8-62).

Fischinger, Peter J., Medical Student Alternative Quarter Fellow, June 16-August 31, 1962, $200 (5-21-62).

Fitzgerald, James E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 1, 1962, $5,200 (6-4-62).

Gantt, Ralph R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, $2,300 (6-11-62).

Genkow, Jack K., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $500 (6-13-62).

Glader, Bertil E., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1962, $2,600 (6-14-62).

Goode, John W., Medical Student Summer Quarter Fellow in Pharmacology, three months from June 16, 1962, $600 (6-2-62).

Grady, Lee T., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, $600 (5-28-62).

Grauler, Jack L., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, $2,400 (6-20-62).

Green, Melvin H., National Institutes of Health Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1962, $1,040 (6-27-62).

Griffin, Patricia A., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $500 (6-13-62).

Groeschel, Edward C., Jr., Campbell Soup Company Fellow in Food Technology, two months from June 16, 1962, $533.34 (6-14-62).

Habas, Linda B., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, $2,666, supersedes (6-8-62).

Hardy, Caroline E., Summer Quarter Fellow in Biological Chemistry, three months from June 16, 1962, $600 (5-28-62).

Highton, Ronald J., Dental Student Summer Quarter Fellow in Pedodontics, three months from June 16, 1962, $600 (6-15-62).

Hoffman, Edward L., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,400 (6-8-62).

Hoffman, Joan C., Summer Quarter Fellow in Physiology, three months from June 16, 1962, $600 (5-28-62).

Holmes, Peter K., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-June 30, 1962, $116.67, and one year from July 1, 1962, $3,200 (5-31-62).

Houchens, Albert F., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1962, $2,000 (6-14-62).

Huffaker, Donald C., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, one year from September 1, 1962, $2,000 (6-12-62).

Hunt, Susan D., Summer Quarter Fellow in Microbiology, three months from June 16, 1962, $600 (5-28-62).

Hunter, John E., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,000 (6-8-62).

Johnson, Joyce H., University Fellow at the Medical Center, one year from September 1, 1962, $2,300, supersedes (6-16-62).

Jones, Robert M., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, $1,500, supersedes (6-1-62).
Katague, David B., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, $600 (5-28-62).

Kenny, John W., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,000 (6-8-62).

Kim, Sun Chun, Wright Fellow in Agriculture, nine months from September 16, 1962, $1,500 (6-19-62).

Lee, Dong Woo, Fellow in Civil Engineering, nine months from September 16, 1962, $1,500, and two months from June 16, 1963, $375 (6-13-62).

Lee, Keun Shil, United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, $2,666, supersedes (6-8-62).

Lerner, Alan E., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, $2,400 (6-20-62).

Lerner, Leon M., Summer Quarter Fellow in Biological Chemistry, three months from June 16, 1962, $600 (5-28-62).

Loevy-Taschini, Hannelore, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from July 1, 1962, $5,500 (6-11-62).

Maglione, Frank D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $700 (6-13-62).

Mailman, David, United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1962, $3,000 (6-14-62).

Mandy, William J., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-June 30, 1962, $116.67, and one year from July 1, 1962, $3,200 (5-31-62).

Medenis, Rute, United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1962, $6,200 (6-11-62).

Miller, Franklin C., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, $2,400 (6-20-62).

Mizukami, Hiroshi, United States Public Health Service Fellow (Trainee) in Biophysics, six months from July 1, 1962, $1,333 (6-8-62).

Monroe, Bruce M., Teaching Fellow in Chemistry, nine months from September 16, 1962, $1,800, and two months from June 16, 1963, $600 (3-30-62).

Morowitz, David A., Medical Student Alternative Quarter Fellow, June 16-August 31, 1962, $200 (5-21-62).

Mosimann, Ella B., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $450 (6-13-62).

Motil, John M., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, $2,000 (6-14-62).

Myers, David D., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, one year from June 1, 1962, $4,300 (6-15-62).

Neidinger, Joseph W., Summer Quarter Fellow in Physiology, three months from June 16, 1962, $600 (5-28-62).

Palmer, Jerry L., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-June 30, 1962, $110, and one year from July 1, 1962, $2,800 (6-14-62).

Pardini, Ronald S., United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1962, $2,500 (5-28-62).

Pashniak, Daniel W., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1962, $3,000 (6-14-62).

Peterson, David M., Hackett Fellow in Agronomy, nine months from September 16, 1962, $1,800, supersedes (5-21-62).

Piock, Darrel J., Rappaport Fellow for the summer in Physiology, three months from June 16, 1962, $600 (6-15-62).

Pizer, Esther R., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, $12,000 (6-20-62).

Quaintance, Lee T., Fellow (Intern) in Government and Public Affairs, one year from September 1, 1962, $2,700 (6-13-62).

Rausch, Paul J., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, five months from September 1, 1962, $1,000 (6-12-62).

Rickhoff, William L., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, $3,000 (6-14-62).
ROBERTS, VERNE L., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, one year from September 1, 1962, $2,000 (6-12-62).

RUBENSTEIN, DANIEL, United States Public Health Service Fellow (Trainee) in Biophysics, one year from July 1, 1962, $2,666 (6-8-62).

RUSSELL, ROBB N., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1962, $2,000 (6-14-62).

SAEGER, KAY E., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1962, $2,666, supersedes (6-8-62).

SAGERS, RICHARD D., Postdoctoral Fellow (Trainee) in Chemistry, three months from June 1, 1962, $3,300 (6-11-62).

SAIN, MICHAEL K., Paul V. Galvin Teaching Fellow in Electrical Engineering, nine months from September 16, 1962, $2,000 (5-31-62).

SAMUELS, ROBERT B., United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1962, $2,500 (5-28-62).

SCHROEDER, WILLIAM F., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, one year from August 1, 1962, $5,200 (6-8-62).

SHA'AFI, RAMADAN I., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1962, $2,666 (6-8-62).

SHARP, PAUL V., American Oil Foundation Fellow in Chemical Engineering, one year from June 1, 1962, $3,600 (6-20-62).

SIEVEKING, NICHOLAS A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,000 (6-12-62).

SMITH, THOMAS E., Jr., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, $1,500, and two months from June 16, 1963, $375, supersedes (6-11-62).

SPURGASH, ARNOLD J., Summer Quarter Fellow in Microbiology, three months from June 16, 1962, $600 (5-28-62).

SRYGLEY, TED F., Lois Wells Irwin Fellow in Library Science, one year from June 16, 1962, $500 (6-18-62).

STARK, FRED R., Medical Student Alternative Quarter Fellow, June 16-August 31, 1962, $200 (5-21-62).

SWALLOW, RONALD J., United States Public Health Service Fellow (Trainee) in Biophysics, one year from July 1, 1962, $2,666 (6-8-62).

SWIATEK, KENNETH R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, $2,300 (6-11-62).

TOBEY, ROBERT A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1962, $2,500 (6-25-62).

TREECE, JAMES M., Fellow in Law, in the Summer Session of 1962, June 18-August 11, 1962, $375 for the period (6-7-62).

UNIKEL, IRVING P., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,000 (6-8-62).

VAICHULIS, EUGENE M., Summer Quarter Fellow in Microbiology, three months from June 16, 1962, $600 (5-28-62).

VAN EGEREN, LAWRENCE F., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,400 (6-8-62).

VOLNER, PATSY R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $450 (6-14-62).

WAGNER, THOMAS J., Fellow (Intern) in Government and Public Affairs, one year from July 1, 1962, $2,700 (5-31-62).

WALKER, RICHARD E., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $500 (6-13-62).

WALSH, PATRICIA J., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, $2,300 (6-11-62).

WARD, LINDA G., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $450 (6-13-62).

WATSON, JAMES R., Summer Quarter Fellow in Microbiology, three months from June 16, 1962, $600 (5-28-62).
WEAVER, LELAND A. C., Collins Radio Company Teaching Fellow in Electrical Engineering, nine months from September 16, 1962, $2,000 (5-31-62).
WEBER, DENNIS F., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry, four months from May 1, 1962, $5,500, supersedes (6-1-62).
WELSH, THOMAS L., Summer Quarter Fellow in Chemistry (Pharmaceutical), three months from June 16, 1962, $600 (5-28-62).
WILLIAMS, JOHN A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,400 (6-12-62).
WILSON, VANNIE, JR., United States Public Health Service Fellow (Trainee) in Biochemistry, one year from July 1, 1962, $2,300 (6-11-62).
WOLD, FINN, National Institutes of Health Senior Postdoctoral Fellow in Chemistry, two months from June 16, 1962, $2,000; this is in addition to his present appointment and to his fellowship dated October 21, 1961 (6-27-62).
WONG, CARL YOU, United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1962, $2,500 (5-28-62).
WOODFIN, BEULAH M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1962, $490 (6-4-62).
ZARYCKY, OKSANA M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1962, $2,300 (6-11-62).

RESIGNATIONS ANDDECLINATIONS

ABDUL-BAKI, AREF, Summer Fellow in Horticulture — resignation effective June 16, 1962.
ALHADEFF, ALBERT V., Instructor in Economics (Chicago Undergraduate Division) — resignation effective September 1, 1962.
ANDERSON, MRS. RUTH C., House Director of Beta House — resignation effective July 1, 1962.
BAUTZ, FRIEDLINDE, Research Assistant in Chemistry — resignation effective May 1, 1962.
BHARAO, VASANT R., Assistant Professor of Food Technology — resignation effective August 17, 1962.
BORMAN, KAREN L., Instructor in Mathematics (Pharmacy) — resignation effective September 1, 1962.
BREWER, ROBERT L., Instructor in Veterinary Clinical Medicine and in Veterinary Research — resignation effective July 1, 1962.
CHENG, HWEI-HSIEN, Research Associate in Soil Fertility — resignation effective July 1, 1962.
CHICOREL, MRS. MARIETTA, Assistant Architecture Librarian, with rank of Instructor — resignation effective August 1, 1962.
DAVIS, JIM E., Instructor in Economics — resignation effective September 1, 1962.
DERAN, ELIZABETH Y., Research Assistant Professor in the Bureau of Economic and Business Research — resignation effective July 1, 1962.
DODDS, MRS. DORIS, Acquisition Assistant in the Library — resignation effective July 10, 1962.
EHERNBERGER, NICOLETTE, Acquisition Assistant in the Library — resignation effective June 23, 1962.
ERNSTING, MARY E., National Science Foundation Mathematics Institute Fellow in Mathematics — resignation effective June 16, 1962.
FINE, RALPH, Instructor in Accountancy (Chicago Undergraduate Division) — resignation effective September 1, 1962.
FINNEMORE, DOUGLAS K., Research Associate in Physics — resignation effective July 1, 1962.
FRENCH, JAMES L., Instructor in Mechanical Engineering — resignation effective September 1, 1962.
GILDERSLEEVE, HALLETT, Undergraduate Librarian with rank of Instructor, in the Library — resignation effective July 1, 1962.
HEATH, EDWARD H., Instructor in Physical Education for Men — resignation effective September 1, 1962.
HINDHEDE, UFFE, Instructor in General Engineering — resignation effective September 1, 1962.
HOLLEY, EDWARD G., Education, Philosophy, and Psychology Librarian with rank of Assistant Professor, in the Library — resignation effective September 1, 1962.
HOOVER, ALICE M., Chemistry Library Assistant with rank of Instructor, in the Library — resignation effective September 1, 1962.
HOUWER, THOMAS S., Instructor in Radiology (Medicine) — resignation effective July 1, 1962.
HULSEY, MRS. ELIZABETH, Assistant Reference Librarian in the Library — resignation effective July 9, 1962.
HUNTER, DONALD J., Research Associate in Agricultural Economics — resignation effective September 1, 1962.
JACKSON, WILLIAM V., Associate Professor of Library Science — resignation effective September 1, 1962.
JOHNSON, WILLIAM H., Associate Professor of Physiology — resignation effective September 1, 1962.
KIBLER, VICTOR A., Assistant Professor of Architecture — resignation effective September 1, 1962.
KOORAJIAN, SAMUEL, Research Associate in Biological Chemistry (Medicine) — resignation effective July 1, 1962.
KRAMER, MRS. ELIZABETH B., Instructor in English (Chicago Undergraduate Division) — resignation effective September 1, 1962.
KROEGER, KARL, Serials Assistant in the Library — resignation effective September 1, 1962.
Kuo, MAU-HUAL, Research Associate in Dairy Science — resignation effective June 12, 1962.
LAU, WILLIAM F., Registered Pharmacist in Hospital Pharmacy (Pharmacy) — resignation effective September 1, 1962.
LAZZARO, RICHARD A., Summer Fellow in Art — resignation effective June 16, 1962.
LINDEN, CARL T., Associate Professor of Medical and Dental Illustration (Medical Center, Chicago) — resignation effective May 22, 1962.
LUKER, MRS. CAROL W., Research Assistant in Microbiology — resignation effective July 1, 1962.
MASON, RICHARD A., National Institutes of Health Fellow (Trainee) in Veterinary Medical Science — resignation effective July 1, 1962.
MATHEIS, GEORGE R., Instructor in Music — resignation effective September 1, 1962.
MAUNEE, MILES H., Assistant Professor of Music — resignation effective September 1, 1962.
MAYRON, LEWIS, Instructor in Biological Chemistry (Medicine) — resignation effective July 1, 1962.
MEDIATE, RUTE, Instructor in Pediatrics (Medicine) — resignation effective July 1, 1962.
MILLER, SONTA, Assistant Professor of English (Chicago Undergraduate Division), Summer Session of 1962 — resignation effective June 22, 1962.
MONROE, VINSON V., Research Associate in Animal Science — resignation effective July 1, 1962.
MORGAN, RAMONA L., Instructor in Medical and Dental Illustration (Medical Center, Chicago) — resignation effective July 1, 1962.
NARASIMHAN, RANGASWAMY, Research Associate in the Digital Computer Laboratory — declination effective September 16, 1962.
NARASIMHAN, MRS. SITA, Fellow in English — resignation effective September 16, 1962.
NELSON, CARL R., Jr., Assistant Professor of Architecture — resignation effective September 1, 1962.
NESSLER, JOAN, Assistant Professor of Physical Education for Women — resignation effective September 1, 1962.
PARKER, EDWIN B., Assistant Professor of Journalism and Research Assistant Professor in the Institute of Communications Research — resignation effective September 1, 1962.

Phipps, Charles M., Jr., Assistant Professor of Mechanical Engineering — resignation effective September 1, 1962.

Reidy, John W., Assistant Professor of Journalism — resignation effective September 1, 1962.

Rolfe, Stanley T., Research Associate in Civil Engineering — resignation effective September 1, 1962.

Schrieffer, J. Robert, Associate Professor of Physics — resignation effective September 1, 1962.

Scranton, Margaret J., Associate Editor with rank of Instructor, in the College of Law — resignation effective June 1, 1962.

Searcy, Herbert L., Cataloger with rank of Instructor, in the Library — resignation effective September 1, 1962.

Simpson, Robert D., Clinical Instructor in Surgery (Medicine) — resignation effective June 1, 1962.

Stewart, Edward B., Instructor in Oral and Maxillofacial Surgery (Dentistry) — resignation effective September 1, 1962.

Sutfin, Duane C., Assistant Professor of Physiology — resignation effective September 1, 1962.

Vangor, Donald W., Pharmacy Resident in Hospital Pharmacy (Pharmacy) — resignation effective June 1, 1962.

Werner, Joyce C., Assistant Reference Librarian in the Library — resignation effective September 1, 1962.

Wilson, Charles A., Research Assistant in Soil Fertility — resignation effective July 1, 1962.

Winkler, John K., Instructor in Veterinary Extension, Department of Veterinary Pathology and Hygiene (College of Veterinary Medicine and Extension Service in Agriculture and Home Economics) — resignation effective August 1, 1962.

Ziel, Henry R., Assistant Professor of Industrial Education — resignation effective September 1, 1962.

LEAVES OF ABSENCE

Connally, Ernest A., Professor of Architecture — leave of absence, without pay, September 1, 1962, through February 28, 1963, so that he may accept an appointment as Visiting Professor at Washington University, St. Louis, Missouri; this is in addition to his sabbatical leave, on one-half pay, beginning March 1, 1963, through February 28, 1964.

Cronbach, Lee J., Professor of Education and of Psychology — leave of absence, without pay, one month from July 1, 1962.

Gage, Nathaniel L., Professor of Education and of Psychology — leave of absence, without pay, September 1, 1962, through August 31, 1963, so that he may accept a Visiting Professorship in Education at Stanford University.

Heilmer, Leo A., Professor of Psychology — leave of absence, with full pay, six months from September 1, 1962, and without pay from March 1, 1963, and continuing until further notice, on account of disability.

London, Perry, Assistant Professor of Psychology — leave of absence, without pay, one year from September 1, 1962, so that he may accept a Visiting Professorship at Stanford University.

Nichols, Marie H., Professor of Speech — leave of absence, without pay, September 1, 1962, through February 28, 1963, so that she may accept a Visiting Professorship at the University of Hawaii.

Nikelly, Arthur G., Assistant Professor of Hygiene and Clinical Psychologist in the Health Service — leave of absence, without pay, from July 16 to August 1, 1962, so that he may serve as a consultant to the Peace Corps in Washington, D.C.

Nosker, Herbert D., Assistant Extension Editor, with rank of Instructor in Agriculture, in the Extension Service in Agriculture and Home Economics — leave of absence from June 14 through July 30, 1962, three weeks with pay, and the remainder of time to be considered annual leave.

Weise, Erwin K., Associate Professor of Metallurgical Engineering — additional leave of absence, on account of disability, from June 5, 1962, until further notice, without pay.
Ziegler, Raymond J., Associate Professor of Management—leave of absence, without pay, academic year 1962-63, so that he may accept a Visiting Professorship in the Department of Marketing and Industrial Management at the University of Oregon.

MEETINGS OF BOARD COMMITTEES

Meetings of the Committees on Buildings and Grounds and General Policy were held following adjournment of the Board. A meeting of the Committee on Buildings and Grounds was also held on Tuesday evening, July 17, pursuant to a call by the Chairman.

On motion of Mr. Johnston, the Board adjourned.

A. J. Janata
Secretary

Howard W. Clement
President
The September meeting of the Board of Trustees of the University of Illinois was held at Robert Allerton Park, Monticello, Illinois, September 19, 1962, beginning at 9:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. George T. Wilkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent. Mr. Richard A. Harewood resigned as a member of the Board of Trustees of the University of Illinois effective at the close of business August 31, 1962, and his resignation was accepted by the Governor.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
MINUTES APPROVED
The Secretary presented the minutes of the meetings of the Board of Trustees on February 21, March 17, April 18, and May 24, 1962, press proof copies of which had previously been sent to the Board.

On motion of Mr. Johnston, the minutes were approved as printed on pages 1275 to 1497, inclusive.

REPORT OF THE EXECUTIVE COMMITTEE
The Secretary submitted the following report from the Executive Committee of its actions at a duly called meeting held on August 16, 1962.

MEETING OF THE EXECUTIVE COMMITTEE
On call of the Chairman, a meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held in the Illini Center, LaSalle Hotel, Chicago, Illinois, on Thursday, August 16, 1962, beginning at 2:30 p.m.

The following members of the Committee were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, Mrs. Frances B. Watkins. Also present were President David D. Henry, Director C. S. Havens of the Physical Plant, Mr. James J. Costello, Legal Counsel, Mr. Morris S. Kessler, Assistant Comptroller, and Mr. A. J. Janata, Secretary of the Board.

The Committee considered the following reports and recommendations submitted by the President of the University, and took the actions indicated.

DEANSHP OF COLLEGE OF FINE AND APPLIED ARTS AT CHICAGO UNDERGRADUATE DIVISION
(1) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Leonard J. Currie, presently Professor and Head of the Department of Architecture at Virginia Polytechnic Institute, as Professor of Architecture on indefinite tenure and Dean of the College of Fine and Applied Arts at the Chicago Undergraduate Division for one year beginning September 1, 1962, at an annual salary of $20,000, on twelve months' service basis.

This appointment has been recommended after consultation with the senior staff of the Department of Architecture and other officers of the Chicago Undergraduate Division, and with representatives of departments in the College of Fine and Applied Arts at Urbana, and has been endorsed by the Dean of the Graduate College and the Executive Vice-President and Provost.

The Board of Trustees in January and February, 1961, approved recommendations relating to educational policies and plans for the organization of educational programs involved in the expansion of the Chicago Undergraduate Division into a degree-granting branch of the University, consistent with prior legislative authorization of the same. The initial educational program as approved by the Board at that time provides for the reorganization of the existing colleges and divisions into major administrative units for the new Congress Circle campus: Colleges of Liberal Arts and Sciences, Engineering, Commerce and Business Administration, Fine and Applied Arts; and Divisions of Education and Physical Education. Hence the appointment of Professor Currie as Dean is in line with implementation of an authorized program.

I recommend approval of the appointment.

On motion of Mrs. Watkins, this appointment was approved.

CONTRACT WITH AGENCY FOR INTERNATIONAL DEVELOPMENT FOR UNIVERSITY OF ILLINOIS—FACULTY OF MEDICINE, CHIENGMAI HOSPITAL PROJECT
(2) At its April 18, 1962, meeting, the Board of Trustees approved the above project and authorized development of a contract with regard thereto.

A contract with the United States of America, represented by the Agency
The Dean of the College of Medicine, the Vice-President at the Medical Center, Chicago, and the Legal Counsel recommend that the Executive Committee ratify the execution of the above-mentioned contract by the University.

I concur.

On motion of Mr. Johnston, this contract was ratified.

LEASE OF PROPERTY AT 1014 LINCOLNSHIRE DRIVE, CHAMPAIGN

(3) The National Warm Air Heating and Air Conditioning Association owns a residence at 1014 Lincolnshire Drive, Champaign, which has been used for research by the Department of Mechanical and Industrial Engineering on a project now completed. The Small Homes Council-Building Research Council desires to use this property for a study of electric heating, to be financed by the Edison Electric Institute. The National Warm Air Heating and Air Conditioning Association will lease this property and the research equipment installed in the building to the University at a rental of $250 a month. The owner will pay taxes and insurance, and the University will pay for utilities and operating expenses.

The Dean of the College of Fine and Applied Arts and the Vice-President and Comptroller recommend lease of this property until June 30, 1963, with option of renewal until August 31, 1964, and a further option of renewal until June 30, 1965.

I concur.

The Executive Committee was authorized by a majority of the members of the Board, whose consent was secured individually in writing, to act on this recommendation, in accordance with the By-Laws of the Board.

On motion of Mrs. Watkins, this lease was authorized.

CONTRACT FOR WALK CONSTRUCTION

(4) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $13,132.60 in an existing contract with General Paving Company, Inc., Champaign, Illinois, for paving and improvement of campus streets and drives and construction of walks to include additional walk construction from the intersection of Green and Wright Streets, to connect to the walk improvements being constructed as part of the Illini Union addition.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

CONTRACTS FOR CONSTRUCTION OF ANTENNA LABORATORY

ADDITION TO ELECTRICAL ENGINEERING BUILDING

(5) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for the construction of an antenna laboratory as a penthouse on the addition to the Electrical Engineering Building, now under construction, to provide special laboratory facilities, and for housing mechanical equipment for the building, the award in each case being to the lowest bidder:

General — Pathman Construction Co., Chicago
Base bid ........................................ $132,430
Additive alternates .............................. 5,000
Service charge for supervision of other prime contracts assigned to general contractor
Construction of ecocorob anechoic chamber (echo chamber) .................. 28,550

Electrical — G. L. Wilsky Downtown Electric, Urbana
Base bid ........................................ 12,675
Less deductive alternate for work to be omitted due to construction of ecocorob anechoic chamber.... 520

Plumbing — Nu-Way Plumbing Service, Inc., Chicago
Base bid ........................................ 6,986
Heating, Refrigeration, and Temperature Control—Ideal Heating Company, Chicago. .................................................... 14,444
Ventilating—Anderson and Litwack Company, Hillside. .......................................................... 16,750
Total .......................................................................................................................... $182,765

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price $182,765.

It is further recommended that an agreement be entered into with Pathman Construction Company for the assignment of these other contracts for $5,000, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor. (The general contractor has agreed to reduce this service charge to $1,300, approximately 2½ per cent of the amount of the contracts assigned to him for supervision. However, the action awarding the contract should include the amount of the service charge as $5,000, this being the bid submitted, with the understanding that a credit change order for $3,700 will be issued simultaneously with the execution of the contract to reduce the actual service charge to $1,300.)

A National Science Foundation grant of $110,000 has been received for the construction of the antenna laboratory under the condition that it be matched by University funds of at least the same amount. Funds are available for the University's $110,000 share of the cost from the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released by the Governor.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of bids received, copies of which are being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; No, none; absent, none.

ADDITION TO CONTRACT FOR CONSTRUCTION OF PENNSYLVANIA AVENUE RESIDENCE HALLS

(6) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $4,025.35 in the contract with Kuhne-Simmons Company, Inc., for the construction of the Pennsylvania Avenue Residence Halls to include steam and electrical connections to serve clothes dryers and extractors to be installed in the laundry rooms.

Funds are available in the project budget.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

ADDITION TO CONTRACT FOR CENTRAL FOOD STORES

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $2,986.20 in the contract with the Felmley-Dickerson Company for changes and additions to the refrigeration system in the Central Food Stores Building.

Funds are available in the Maintenance Reserve of the Housing Division.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

PURCHASES

(8) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One continuous liquid flow monitor consisting of one flow detector, one dual channel spectrometer, one rate meter, one recorder, and one high-speed readout and digital printer</td>
<td>Biological Chemistry</td>
<td>Packard Instrument Co., Inc., La Grange</td>
<td>$11,275 00 delivered</td>
</tr>
</tbody>
</table>
One photomicrographic camera and accessories Orthodontics

One lot of laboratory equipment and supplies consisting of one incubator, two pH meters, one freeze-dry apparatus, one cryostat, one centrifuge and accessories, two balances, two sets of weights, two water baths, three microscopes, and 1,100 ounces of cover glasses Medicine

One operating microscope with accessories, to be used for eye surgery in the Department of Ophthalmology Ophthalmology

One pleoptophor Ophthalmology

One X-ray image amplifier Radiology

One 16 mm. projector for use with the image amplifier

One recess steam sterilizer 24 in. by 36 in. by 30 in. Research and Educational Hospitals

One disc pump oxygenator for use in heart operations Research and Educational Hospitals

One lot of hospital equipment consisting of:

- 24 patient room side chairs
- 48 safety sides
- 4 triple panel screens
- 5 wheelchairs
- 2 commodes
- 4 examining tables
- 8 utility tables
- 12 examination lamps
- 6 hospital humidifiers
- 12 irrigator stands
- 12 linen hampers
- 6 utility carts

One 11 in. by 17 in. offset press to be used as a central service for all departments at the Medical Center Stenographic Service

Lease of one general purpose computer system to be installed at the Chicago Undergraduate Division Vice-President's Office

One spectrophotometer with extreme wave length accuracy and reproducibility in the ultraviolet and visual range for research work by the Department of Animal Science in the field of nutritional biochemicals in ruminants Animal Science

One centrifuge, refrigerated, high speed, with large capacity rotor for study of hormones in blood and tissue of sheep Animal Science

24,000 square feet asphalt saturated matting. % in. by 36 in. by 15 ft., to repair flood damage of surfacing material at the radio telescope of the Vermillion River Observatory, Danville Astronomy
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleaning and painting the exterior of eleven buildings at the University of Illinois-Willard Airport</td>
<td>Institute of Aviation</td>
<td>C. L. Lindsey, Urbana</td>
<td>$ 3 692 00</td>
</tr>
<tr>
<td>One hydraulic press, 50 ton, 4 post, with 8 ton knockout, and complete set of tooling for research by the Department of Ceramic Engineering in the forming of a variety of ceramic oxides by dry or wet pressing techniques</td>
<td>Ceramic Engineering</td>
<td>Denison Engineering, American Brake Shoe Co., Columbus, Ohio</td>
<td>14 301 00</td>
</tr>
<tr>
<td>One lot of laboratory apparatus to be used as stock in the General Chemical Storeroom (this is estimated to be a six-month supply)</td>
<td>General Chemical Stores</td>
<td>Schaar Scientific Co., Chicago</td>
<td>9 713 29</td>
</tr>
<tr>
<td>314 items of laboratory chemicals to be used as stock in the General Chemical Stores for the fall and winter term of 1962-63</td>
<td>General Chemical Stores</td>
<td>Mallinckrodt Chemical Works, St. Louis, Mo. J. T. Baker Chemical Co., Chicago General Chemical Division, Allied Chemical Corp., Chicago Fisher Scientific Co., Chicago Quinton Co., Division of Merck &amp; Co., Inc., Railway, N.J. F. P. Jay Chemicals, Waukesha, Wis.</td>
<td>6 703 73</td>
</tr>
<tr>
<td>One electrophoresis apparatus for research in the separation of compounds into their basic ingredients, especially radioactive intermediates by the biochemistry division of the Department of Chemistry and Chemical Engineering</td>
<td>Chemistry and Chemical Engineering</td>
<td>Brinkmann Instruments, Inc., Great Neck, N.Y.</td>
<td>4 200 00</td>
</tr>
<tr>
<td>One multichannel pulse height analyzer (400 channels), and compatible nuclear radiation instrumentation, for transistorized pulse counting and spectrometry</td>
<td>Chemistry and Chemical Engineering</td>
<td>Radiation Instrument Development Lab., Inc., Northlake</td>
<td>24 712 00</td>
</tr>
<tr>
<td>Rent (with option to purchase) for one year period: One goniometer assembly for spectrograph, motor driven, arranged to operate between pre-set limits, up or down scale at various speeds, with cathode follower</td>
<td>Chemistry and Chemical Engineering</td>
<td>Philips Electronic Instruments, Chicago</td>
<td>3 667 00</td>
</tr>
<tr>
<td>One detecting system for Molybdenum K alpha radiation consisting of one each scintillation counter, electronic circuit panel, and portable chart recorder</td>
<td>Chemistry and Chemical Engineering</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>5 265 00</td>
</tr>
<tr>
<td>One automatic polarimeter, three cells, with one logarithmic recorder and range switch attachment for use in the study of the kinetics of racemizations by the Department of Chemistry and Chemical Engineering</td>
<td>Chemistry and Chemical Engineering</td>
<td>Tinuus Olsen Testing Machine Co., Willow Grove, Pa.</td>
<td>11 950 00</td>
</tr>
<tr>
<td>One testing machine, 10,000lb. capacity, with tension and compression cells and wedge action grips; the equipment will be used in research on metals, plastics, wood, and adhesives by the Department of Civil Engineering</td>
<td>Civil Engineering</td>
<td>Automatic Signal Division, Laboratory for Electronics, Inc., East Norwalk, Conn.</td>
<td>3 990 00</td>
</tr>
<tr>
<td>One traffic movement recording assembly consisting of radar sensing unit, speed and impulse translator, density computer and classifier, all in table top rack with one portable seven-pen recorder</td>
<td>Civil Engineering</td>
<td>Rex Metal-Craft, Inc., Indianapolis, Ind.</td>
<td>3 500 00</td>
</tr>
<tr>
<td>One traffic monitoring camera system including camera, radar speed meter, position timing mechanism, and road-side positioning equipment; providing rapid frame photography with split image record of the observed vehicle and its speed and headway measurements, plus five-day training course</td>
<td>Civil Engineering</td>
<td>Rex Metal-Craft, Inc., Indianapolis, Ind.</td>
<td>3 500 00</td>
</tr>
</tbody>
</table>
One tube, mass spectrometer type, Z80001
One magnet, 5.5 kilogauss
One silo, size 18 ft. by 40 ft., including foundation and concrete floor to be furnished and erected at the Lincoln Avenue Dairy Barn, Urbana
400 connectors, taper pin printed circuit, with sleeve, 54-contact special
2,800 keys, polarizing for above

One plotter, impedance, automatic, 300-2,400 MC, with 50 ohm type N connectors and shorts, one four-terminal and four-terminal measuring cables
Two card punch, printing, type 026, with error corrective feature and alternate program feature
One plotter, sorter, type 082, with sort suppress
Two servo multipliers incorporating two ten-turn dual potentiometers
Two magnetic oscillographs
Power supply equipment as follows:
- Five storage modules
- One modification kit

One countercurrent fractionator to be used in research on the separation of complex organic compounds in the field of lipid oxidation by the Department of Food Technology
One medical table
One ENT chair, motor operated
One rest and relief stool
Office, conference rooms, and reception room furniture for the Housing Division offices in the new Student Services Building:
- 86 chairs with arms
- 16 side chairs
- 9 swivel chairs
- 4 desks
- 2 typing tables, 54 in. by 18 in.
- 2 tables, 42 in. by 108 in.
- 1 table, boat-shaped, 42 in. by 96 in.
- 1 table, 78 in. by 30 in.
- 1 table, 60 in. by 33 in.
- 2 tables, 24 in. by 24 in.
- 3 storage cabinets

Furniture for 32 floor lounges in the Pennsylvania Avenue Residence Halls and furniture for the Orchard Downs housing units to convert 25 units to married student apartments
Furniture for the dining rooms and recreation rooms in the Pennsylvania Avenue Residence Halls:
- Dining rooms (Base Bid V)
  - 700 chairs
  - 8 tables, 60 in. round
  - 80 tables, 36 in. x 96 in.
- Recreation rooms (Base Bid VI)
  - 29 chairs
  - 10 tables
  - 2 settees

This furniture was selected by Mr. C. E. von Ammon, the interior decorator for the buildings.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furniture for the four formal lounges, four head resident apartments, two study rooms, and one general waiting room in the Pennsylvania Avenue Residence Halls:</td>
<td>Housing Division</td>
<td>Office Equipment Co. of Chicago, Chicago</td>
<td>$29,996.01</td>
</tr>
<tr>
<td>194 chairs, upholstered</td>
<td></td>
<td></td>
<td>1,087.88</td>
</tr>
<tr>
<td>98 tables, occasional</td>
<td></td>
<td></td>
<td>7,777.04</td>
</tr>
<tr>
<td>12 settees, upholstered</td>
<td></td>
<td></td>
<td>860.00</td>
</tr>
<tr>
<td>23 sofas, upholstered</td>
<td></td>
<td></td>
<td>757.80</td>
</tr>
<tr>
<td>4 bed and sofa combinations</td>
<td></td>
<td></td>
<td>(40,478.73)</td>
</tr>
<tr>
<td>4 beds, Hollywood</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 desks</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4 mirrors, framed</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4 chests</td>
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<td></td>
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</tr>
<tr>
<td>Rugs for unit and public lounges in Pennsylvania Avenue Residence Halls, colors: 117C and two tones of beige, 40 oz. padding, four rugs and pads 14 ft. 4 in. by 31 ft., four rugs and pads 21 ft. 8 in. by 32 ft. 2 in., as specified by the interior decorator</td>
<td>Housing Division</td>
<td>DeSitter Brothers, Chicago</td>
<td>12,657.00</td>
</tr>
<tr>
<td>250 dozen trays, cafeteria, fiber glass, 14 in. by 18 in. beige swirl color—part of initial equipment at the Pennsylvania Avenue Residence Halls and stock at the Central Food Stores</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Steel office and reception room furniture for the Illini Union Building Addition</td>
<td>Illini Union</td>
<td>All-Steel Equipment, Inc., Aurora</td>
<td>11,063.90</td>
</tr>
<tr>
<td>China to equip the banquet service and cafeteria of the Illini Union Addition and replace the china in use in the banquet service and cafeteria of the present building:</td>
<td>Illini Union</td>
<td>E. A. Hinrichs &amp; Co., Chicago</td>
<td>40,079.79</td>
</tr>
<tr>
<td>Carnival pattern</td>
<td></td>
<td></td>
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<tr>
<td>1,050 dozen plates</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>375 dozen cups</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>375 dozen saucers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>375 dozen fruit dishes</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>180 dozen soup nappies</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>180 dozen grapefruit bowls</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>120 dozen ice cream shells</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Westwood pattern</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,461 dozen plates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>375 dozen cups</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>375 dozen saucers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>225 dozen fruit dishes</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>36 dozen bouillon cups</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>36 dozen jelly dishes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 dozen ice cream shells</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22 dozen sauce boats</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>40 dozen sugar bodies and covers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 dozen creamers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Room status system to be furnished and installed in Illini Union Building Addition</td>
<td>Illini Union</td>
<td>Room Service, Inc., Jackson, Mich.</td>
<td>11,958.00</td>
</tr>
<tr>
<td>Zurnal Ministerstvo Narodnago Proreshchenia, 1834-1917, reprint edition</td>
<td>Library</td>
<td>Graphic Book Export Co., Graz, Austria</td>
<td>5,850.00</td>
</tr>
<tr>
<td>Official United States Air Force uniform items for Air Force R.O.T.C. students:</td>
<td>Military</td>
<td>Clothing Sales Store, Chanute Air Force Base, Rantoul</td>
<td>10,840.00</td>
</tr>
<tr>
<td>1,600 pairs of black, dress, low quarter shoes</td>
<td>Property</td>
<td>Chanute Air Force Base</td>
<td></td>
</tr>
<tr>
<td>3,000 pairs of black, cotton, stretch socks</td>
<td>Custodian</td>
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<tr>
<td>100 blue neckties</td>
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<tr>
<td>100 blue flight wool caps</td>
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<tr>
<td>50 belt buckles</td>
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<tr>
<td>One electrical discharge machining tool and matching power supply with longitudinal and cross slide table traverse calibrated to 0.001 in.</td>
<td>Mining</td>
<td>Esaco Products, Ypsilanti, Mich.</td>
<td>9,210.00</td>
</tr>
<tr>
<td>One bell jar vacuum coating system to evaporate metals and carbons for research in metallurgy under the electron microscope</td>
<td>Mining</td>
<td>NRC Equipment Corp., Newton Highlands, Mass.</td>
<td>7,150.00</td>
</tr>
</tbody>
</table>
One recorder, x-y, input voltages 5 mv to 500 mv, accuracy 0.2 per cent of full scale, rack mount

252 auditorium seats with folding tablet arms and upholstered seats and backs installed in 151 Electrical Engineering Building

3,000 ft. chain link fencing, number 9 guage wire, galvanized after fabrication, with gates, to enclose athletic fields at Huff Gymnasium and Women's Gymnasium areas

Sixty sheets Muntz metal, cold rolled, light annealed, for absorption and shielding of radioactivity in the Physics High Energy Program of Spark Chambers

One slow-fast coincidence system, resolving time adjustable 0-180 nano-seconds, delay adjustable over a 0.3 microsecond range, base line and window width 0-10 volts; system includes chassis, power supplies, three fast-slow coincidence units, patch cords and five plug-in units

Four power supplies for teaching laboratories, variable voltage 18-36 V.; 250 amps d.c.; accuracy regulation plus or minus 5 per cent; voltage ripple 1 per cent rms; recovery time 0.1 second; input voltage 208 V., 4 wire, 3 ph., 57-63 cycles

One multichannel analyzer with the following specifications: 400 channels, 10^6 counts per channel, 8 subgroups, 4 m.c. digital rate, 4 detector multiscaler mode, d.c. input to a.d.c. for Moessbauer experiments, linear and log readout, tally tape readout and readin, and spectrum stripping

One thallium activated sodium iodide crystal in a close pack assembly with three phototubes in individual magnetic shields included as part of the assembly

Machining three extremely pure alloy bars of aluminum and silver to determine the binding energy between a monovacancy and a silver atom in aluminum

One film reader, semiautomatic for measuring events on 35 mm. film; must handle three 100 ft. rolls; viewing screen with magnification of 20; cross hair position to appear on screen movable by hand, cross hair located with a resolution of one micron on the film with accuracy of plus or minus 5 microns full scale and positioned in digitized form for card punch; motorized controlled film speed between 0 and 1 ft. per second; 1 combination vacuum pump and compressor; plus engineering services

Two automatic film scanning systems, each to have three projectors for 100 to 400 ft. rolls of 35, 50, or 70 mm. film, automatic control of each film from speeds of one cm. every four seconds up to 100 ft. in a few minutes

Two toolmakers microscope stages including micrometer drums and linear scales to be used in connection with a special film reader, for three dimensional film reading and analysis of particle tracts, and accurate measurement of positions of points on exposed 35 mm, films
On motion of Mrs. Watkins, these purchases were authorized.

**CONTRACT FOR AIR CONDITIONING IN ENVIRONMENTAL ROOM — 409 GREGORY HALL**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $5,500 to F. R. Inskip and Company, Champaign, Illinois, the lowest bidder, for installation of air conditioning equipment and furnishing and installing a dehumidifier in the environmental room in 409 Gregory Hall.

Funds are available in the Physical Plant budget from operation and maintenance reserves.

I concur.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; no, none; absent, none.

**CONTRACT FOR CONSTRUCTION OF COLLEGE OF EDUCATION BUILDING**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for the construction of the College of Education Building, the award in each case being to the lowest bidder:

General — Felmley-Dickerson Company, Urbana..................$1 852 400

Base bid ........................................$1 807 000
Additive alternate for service charge for supervision of other prime contracts assigned to general contractor.......................... 27 000
Additive alternates for changes in part of second floor ceiling areas and walls on first and third floors............................. 18 400

Electrical — Leverenz Electric Company, Inc., Danville........226 353
Base bid ........................................225 165
Additive alternates for changes in electrical fixtures on second floor and wiring for television and intercommunication system ............ 7 196
Deductive alternates for changes in light fixtures and deleting devices in covers of motor starters in motor control centers............................ −6 008

Plumbing — Nu-Way Plumbing Service, Inc., Chicago..................... 106 800
Heating and Air Conditioning—Healy Plumbing and Heating Company, St. Paul, Minnesota
Base bid ............................................... 236 700
Additive alternate for graphic control center ........... 13 100

Ventilating—R. H. Bishop Company, Champaign
Base bid ............................................... 236 580
Deductive alternates for changes in diffusers ........... — 300

Elevator—Otis Elevator Company, Chicago
Base bid ............................................... 35 337
Additive alternate for passenger elevator in north shaft ........................................... 28 352

Total .......................................................... $2,732,322

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price $2,732,322.

It is further recommended that an agreement be entered into with Felmley-Dickerson Company for the assignment of these other contracts for $27,000 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including the schedule of bids received, copies of which are being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; no, none; absent, none.

CONTRACTS FOR CONSTRUCTION OF PARKING LOTS

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for construction of parking lots as follows:

For a parking lot east of the Illini Union—Champaign Asphalt Company, Champaign...........$ 25,000

For parking lots at the Assembly Hall—Parro Construction Corporation, Urbana 198 800

Base bid, including paving and necessary construction for the two north quadrants.............$88 000

Additive alternate for paving and necessary construction for the southeast quadrant........... 48 300

Additive alternate for paving and necessary construction for the southwest quadrant excluding the house and school which will not be vacated immediately........................................ 34 700

Additive alternates for lighting for the four quadrants 27 800

Funds for these projects are available from the following sources: for the parking lot east of the Illini Union, from the Illini Union Reserve; for parking lots at the Assembly Hall, from the sale of revenue bonds issued to finance the construction of this building.

It is further recommended that the University of Illinois Foundation be requested to award a contract to the Champaign Asphalt Company, Champaign, for construction of a parking lot at 601, 603, and 605 East Healey Street, Champaign, as follows:

Base bid ............................................... $30 000

Additive alternate to replace the existing broken sidewalks on Sixth and Healey Streets 775

Additive alternate for the removal of stumps between the curbs and sidewalks on Sixth and Healey Streets ........................................ 40

Total .......................................................... $30 815

I concur.
On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; no, none; absent, none.

CHANGE IN CONTRACTS FOR CONGRESS CIRCLE CAMPUS

(12) At its meetings of May 24 and June 20, 1962, the Board of Trustees authorized the Executive Committee to act for the Board in negotiations with contractors for high temperature water boilers, hot water pumps and erection, for refrigeration equipment, for condenser water and chilled water circulating pumps, for cooling tower, and for switchgear and electrical equipment for the heating plant, at the Congress Circle Campus, for extensions of the periods within which their contracts may be terminated. All contractors have now agreed to extensions of said periods from September 15 to December 15, 1962, provided that shipping dates and other terms and conditions of the contracts remain unchanged.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that the Executive Committee, acting for the Board, approve these changes in the awards and contracts, and, in consideration therefor and in fairness to the contractors, authorize the substitution of bid bonds for the certified checks from these contractors, now being held as bid deposits.

I concur.

On motion of Mr. Johnston, this change in the contracts was authorized.

EXECUTIVE SESSION

The regular order of business before the Committee having been concluded, an executive session was requested, and was ordered by the Chairman, for consideration of an informal report from the Director of the Physical Plant on the current status of negotiations for certain property acquisitions.

The report was for information and consultation. No action was requested or taken.

On motion of Mr. Johnston, the Committee adjourned.

WAYNE A. JOHNSTON
FRANCES B. WATKINS
HOWARD W. CLEMENT

A. J. JANATA
Clerk

Chairman

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

Executive Vice-President and Provost Lanier also reported on the current enrollment in the University as of September 18, 1962.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard written examination given in May, 1962, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943 as amended:
Bernard Angelo Affetto, Chicago, Illinois
Albert John Allen, Decatur, Illinois
Thomas Ralph Anderson, Aurora, Illinois
Keith Gene Asher, Kankakee, Illinois
Jo Anne Ballauer, Chicago, Illinois
Jon Paul Barsanti, Evanston, Illinois
Donald Peter Barta, Chicago, Illinois
Keith Phillips Bell, Oak Park, Illinois
Arthur Henry Benig, Rolling Meadows, Illinois
Burrell Berry, Jr., Chicago, Illinois
Paul Vincent Berwick, Chicago, Illinois
Bradford John Bigalke, Marengo, Illinois
Edwin Allen Borden, Elmhurst, Illinois
Lloyd Alan Byerhof, Chicago, Illinois
Logan Woodrow Cadwalader, Park Forest, Illinois
Milburn David Cain, Antioch, Illinois
Arthur Marvin Callistean, Chicago, Illinois
Donald Bruce Campbell, Chicago, Illinois
Clark Gilbert Carpenter, Chicago, Illinois
Anthony Richard Cazolas, Chicago, Illinois
Douglas Charles Chester, Lincolnwood, Illinois
Richard Thomas Clark, Elmhurst, Illinois
Ralph Alexander Cobitz, Chicago, Illinois
Stanford Jack Cole, Chicago, Illinois
Lewis Morton Collins, Urbana, Illinois
Joseph Francis Craven, Chicago, Illinois
Thomas Joseph Curley, Jr., Oak Park, Illinois
Weldon Kenneth Danielson, La Grange Park, Illinois
Jean Joslyn Davidson, River Forest, Illinois
David Alfred Dederichs, Chicago, Illinois
Bernard Robert Dobrin, Chicago, Illinois
Derald Clarence Doehring, Mattoon, Illinois
William Joseph Dolan, Jr., Des Plaines, Illinois
Thomas William Doudera, Decatur, Illinois
Gerald Michael Driscoll, Oak Park, Illinois
Joseph George Eisele, Park Forest, Illinois
Thomas Lawrence Eovaldi, Benton, Illinois
Roger Lee Felten, Chicago, Illinois
Janice Jean Fields, Champaign, Illinois
Richard Mayer Fischmar, Chicago, Illinois
Ralph Myron Folsom, Berwyn, Illinois
John William Frank, Forest Park, Illinois
Richard H. Gallagher, Broadview, Illinois
James Bernard Gardner, Chicago, Illinois
Jewell Mervin Garrison, Harvey, Illinois
William John Gaynor, Evergreen Park, Illinois
Evelyn Frances Gieck, Aurora, Illinois
Myron Norman Goldstein, Chicago, Illinois
Howard Gordon, Skokie, Illinois
Delores Margaret Granite, Melrose Park, Illinois
Morris Larned Greeley III, Chicago, Illinois
Donald Albert Haas, Libertyville, Illinois
Donald Terry Habbestad, Chicago, Illinois
Kenneth Pratt Handy, Glen Ellyn, Illinois
William Putman Hauworth II, Evanston, Illinois
Stephen Van Hill, Evanston, Illinois
John Francis Houlihan, Oak Lawn, Illinois
Ronald Duane Jeffris, Gays, Illinois
Carl Edward Johnson, Jr., Plainfield, Illinois
John Randall Johnson, Marion, Illinois
Milton Clark Johnson, La Grange Park, Illinois
Robert Alan Johnson, Chicago, Illinois
Herbert Lee Justinger, Elmhurst, Illinois
Ernest Walter Karlenzig, Chicago, Illinois
David Andrew Kelly, Chicago, Illinois
Thomas Ray Kelsheimer, Urbana, Illinois
Edward John Kestler, Chicago, Illinois
Donald Ervin Kieso, Urbana, Illinois
RUSSELL STANLEY KOSS, Chicago, Illinois
FRANK JAY KOSTER, Oak Park, Illinois
CARL W. WILLIAM KRELL, Springfield, Illinois
HARVEY BURTON LABKO, Chicago, Illinois
GAYLEN NEVY LARSON, Des Plaines, Illinois
MAURICE ROY LAWRENCE, Skokie, Illinois
RICHARD DANIEL LESSNER, Chicago, Illinois
WILLIAM LOUIS LEVI, Chicago, Illinois
MILO ODELL LIA, Elmwood Park, Illinois
LESTER LOPATA, Chicago, Illinois
TERRY JAMES MACLEAN, Niles, Illinois
GERARD JOHN MAKER, Skokie, Illinois
JEROLD SHAE MALINA, Chicago, Illinois
RALPH JOSEPH MARADARINO, Jr., Oak Park, Illinois
ROBERT MANN, Skokie, Illinois
JAMES EDWARD MCAULEY, Chicago, Illinois
GEORGE FREDERICK MCDOWELL, Rockford, Illinois
DONALD DAVID MCLEAN, Chicago, Illinois
ROBERT MEDNICK, Chicago, Illinois
CHERIE LYNN MERTENS, Arlington Heights, Illinois
AARON IRVING MICHAEISN, Chicago, Illinois
GERALD LINUS MIHRBAHLER, Springfield, Illinois
MARY PENELLOPE MITCHELL, Chicago, Illinois
GEORGE EUGENE MOELLER, Park Forest, Illinois
SEYMOUR NAGORSKY, Chicago, Illinois
WALTER FRANK NELSON, Rockford, Illinois
EDWARD CHARLES NEMERGUT, Chicago, Illinois
JOHN LEONARD NORTHROP, Jr., Berwyn, Illinois
HAROLD WILLIAM PETERSON, Berkeley, Illinois
ROBERT JOHN PETERSON, Chicago, Illinois
MARVIN HARRY PILCHEN, Chicago, Illinois
RAYMOND EDWIN POWERS, Jr., Hillside, Illinois
ROBERT KRAUS REGAL, Chicago, Illinois
ROBERT THOMAS REHWALD, Urbana, Illinois
SHELDON REITMAN, Chicago, Illinois
EDWARD LOUIS ROSE, Lincolnwood, Illinois
RONALD JOEL ROTHEMAN, Niles, Illinois

JOHN RUSSELL ERSKINE RUHL, Evanston, Illinois
JOHN MORTON RUTHERFORD, Glen Ellyn, Illinois
RICHARD SIDNEY RUTTENBERG, Chicago, Illinois
DARRELL EDWARD RUTTER, Lombard, Illinois
MICHAEL M. SACHS, Chicago, Illinois
THEODORE RAPHAEL ST. LER, JR., Chicago, Illinois
JACQUELINE BARBARA SANDERS, Chicago, Illinois
HERBERT MARSHALL SCAPPNER, Chicago, Illinois
DAVID YIGAL SCHWARTZ, Chicago, Illinois
PATRICK JOSEPH SCOTT, Chicago, Illinois
ROBERT NEIL SCOTT, Rockford, Illinois
EDWARD FRANCIS SHEEHAN, Peoria, Illinois
BARRY JOEL SHERE, Chicago, Illinois
DONALD LEE SIMANDL, Lyons, Illinois
MELVIN DAVID SKOLNIK, Chicago, Illinois
GEORGE SAMUEL SMITH, Hazelcrest, Illinois
THOMAS GIBSON SMITH, Palatine, Illinois
DONALD EDWARD SODARO, Evanston, Illinois
JACK FRANCIS SPENCER, Chicago, Illinois
CHARLES ALBERT STEWART, Villa Park, Illinois
RONALD EARLE STONE, River Forest, Illinois
MELVYN ROY STRAUSS, Chicago, Illinois
JAMES EDGAR STUDDYVIN, Champaign, Illinois
GERARD ARTHUR SWICK, Park Ridge, Illinois
JERRY ROGERS THALL, Chicago, Illinois
HOWARD ELLSWORTH THOMPSON, Elmhurst, Illinois
JOSEPH ERNEST TOMLINSON, Sycamore, Illinois
WARREN LEONARD TRAXEL, Chicago, Illinois
JOHN MICHAEL TUCKER, Champaign, Illinois
DENNIS PETER VAN MIEGHM, Chicago, Illinois
RONALD JOSEPH VAN THYN, Champaign, Illinois
CORNELIUS VERHOOG, Park Forest, Illinois
EDWARD GARY VICTOR, Chicago, Illinois
WILBERT EDWIN VIRNALA, Chicago, Illinois
NUGENT JAMES VITALLO, Chicago, Illinois
The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>RONALD ALTMAN</td>
<td>Brooklyn, New York</td>
<td>New York</td>
</tr>
<tr>
<td>DONALD EUGENE DEBURN</td>
<td>Davenport, Iowa</td>
<td>Iowa</td>
</tr>
<tr>
<td>MERLE HENRY GOULD</td>
<td>Newburgh, Indiana</td>
<td>Indiana</td>
</tr>
<tr>
<td>ORVILLE JOHN HIETPAS</td>
<td>Chicago, Illinois</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>DONALD EUGENE KNAPP</td>
<td>Arlington Heights, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>PETER M. KOPKOWSKI</td>
<td>Oak Lawn, Illinois</td>
<td>Michigan</td>
</tr>
<tr>
<td>JAMES EDWIN MERRIDITH, JR.</td>
<td>Strafford, Pennsylvania</td>
<td>Pennsylvania</td>
</tr>
<tr>
<td>THOMAS RICHARD PRINCE</td>
<td>Evanston, Illinois</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>EILEEN LOIS F. WHITTED</td>
<td>Algonquin, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>LAWRENCE ZALUSKY</td>
<td>Skokie, Illinois</td>
<td></td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Hughes, these certificates were awarded.

APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. OLIVER G. ABERTH, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of $7,500 (D).
2. CYRIL J. ADCOCK, Visiting Associate Professor of Psychology, for the first semester, 1962-63, at a salary of $4,750 (G).
3. NICHOLAS AMBRASEYS, Visiting Associate Professor of Civil Engineering, for the second semester, 1962-63, at a salary of $5,000 (E).
4. KONRAD BLEULER, Visiting Professor of Physics, for three months from September 20, 1962, at a salary of $3,500 (G).
5. OSCAR G. BROCKETT, Visiting Professor of Speech and Theatre, for the second semester, 1962-63, at a salary of $6,000 (E).
6. WILLIAM J. CAMPBELL, Visiting Associate Professor in the Bureau of Educational Research, for the first semester, 1962-63, at a salary of $5,500 (E).
7. D. LINCOLN CANFIELD, Visiting Professor of Spanish, for the second semester, 1962-63, at a salary of $7,000 (E).
8. JEAN MAURICE CARDINET, Visiting Associate Professor of Psychology and in the Bureau of Educational Research, beginning September 1, 1962, at an annual salary of $11,000 (D).
9. ROSALIND D. CARTWRIGHT, Associate Professor of Psychology, College of Medicine, beginning September 1, 1962, at an annual salary of $11,500 (DY).
10. JOHN G. CHALTAS, Assistant Professor of Education, beginning September 1, 1962, at an annual salary of $8,200 (D).
11. SAMUEL DU BOIS COOK, Visiting Professor of Political Science, for the second semester, 1962-63, at a salary of $5,000 (E).
12. ELSIE N. BROUTHAMEL, Assistant Professor of Home Economics, beginning September 1, 1962, at an annual salary of $8,800 (DY).
13. PETER K. DAI, Assistant Professor of Civil Engineering, beginning September 1, 1962, at an annual salary of $6,500 (D).
14. BRUCE L. DOUGLAS, Assistant Professor and Coordinator of Oral Medicine, College of Dentistry, beginning September 1, 1962, at an annual salary of $13,500 (DY).
15. JOHN A. EASLEY, JR., Visiting Associate Professor of Education, University High School, beginning September 1, 1962, at an annual salary of $10,000 (D).
16. STERLING C. ELLSWORTH, Clinical Counselor with rank of Assistant Professor, Student Counseling Service, beginning July 23, 1962, at an annual salary of $7,950 (DY).
17. JERRY ALAN FODOR, Visiting Assistant Professor of Philosophy in the Institute of Communications Research, beginning September 1, 1962, at an annual salary of $8,250 (D).
18. JOHN W. GRAY, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of $8,500 (B).
19. PEARL MAYO GORE, Visiting Assistant Professor of Psychology, beginning September 1, 1962, at an annual salary of $7,000 (D).
20. KARL A. GSCHEIDNER, Jr., Research Assistant Professor of Physics, beginning September 1, 1962, at an annual salary of $10,000 (DY).
21. GERMAN GURPINKEL, Visiting Assistant Professor of Civil Engineering, beginning September 1, 1962, at an annual salary of $8,100 (D).
22. WOLFGANG R. G. HAKEN, Visiting Professor of Mathematics, beginning September 1, 1962, at an annual salary of $12,000 (D).
23. DONALD D. HANSON, Associate Professor of Architecture, beginning September 1, 1962, at an annual salary of $11,000 (B).
24. E. HARNIK, Visiting Research Assistant Professor of Electrical Engineering, beginning September 1, 1962, at an annual salary of $9,000 (DY).
25. LARRY R. HOFFMAN, Assistant Professor of Botany, beginning September 1, 1962, at an annual salary of $6,500 (B).
26. FREDRICK J. HOLHEUSER, Assistant Professor and Assistant State Leader of Farm Advisers, Cooperative Extension Service in Agriculture and Home Economics, beginning September 1, 1962, at an annual salary of $9,750 (DY).
27. CHARLES W. HUVER, Assistant Professor of Anatomy, College of Medicine, beginning September 1, 1962, at an annual salary of $9,000 (DY).
28. MORRIS KANTOR, Visiting Professor of Art, for the second semester, 1962-63, at a salary of $7,000 (E).
29. ISABEL M. KELLOGG, Assistant Professor of Occupational Therapy, College of Medicine, for nine months from September 1, 1962, on three-fourths time, at a salary of $4,781 (G).
30. BLAIR KLING, Assistant Professor of History, beginning August 1, 1962, at an annual salary of $7,500 (B).
31. HANNES LAVEN, Visiting Professor of Zoology, for seven months from August 1, 1962, at a salary of $12,445 (G).
32. RADO LENCEK, Assistant Professor of Russian, beginning September 1, 1962, at an annual salary of $7,400 (B).
33. RICHARD J. LOFTUS, Assistant Professor of English, in the Department of English and in the Division of General Studies, beginning September 1, 1962, at an annual salary of $6,800 (B33; B67).
34. MARY M. LoER, Associate Professor of Psychiatric Nursing, College of Nursing, beginning September 24, 1962, at an annual salary of $12,000 (DY).
35. JENS LÜBBERT, Visiting Associate Professor of Economics, for the first semester, 1962-63, at a salary of $5,500 (G).
36. ROBERT M. LUMIANSKY, Visiting Professor of English, for the second semester, 1962-63, at a salary of $8,500 (D).
37. EDWARD F. LUTSCH, Assistant Professor of Zoology, College of Pharmacy, beginning September 1, 1962, at an annual salary of $7,500 (D).
38. CARLOS T. MARTIERT, Assistant Professor of Architecture, beginning September 1, 1962, at an annual salary of $10,500 (B).
39. FRANK H. MOYER, Assistant Professor of Zoology, beginning September 1, 1962, at an annual salary of $8,000 (B).
40. HENRY C. KACZKOWSKI, Visiting Research Assistant Professor of Education, beginning September 1, 1962, at an annual salary of $9,000 (D).
41. JOHN R. POSTGATE, Visiting Professor of Microbiology, for the first semester, 1962-63, at a salary of $4,800 (E).
42. BRIAN POTTER, Associate Professor of Dermatology, College of Medicine, beginning September 1, 1962, at an annual salary of $15,000 (AY).
43. HAROLD ARCH RAMSEY, Visiting Associate Professor of Nutrition, Department of Dairy Science, for the academic year 1962-63, at a salary of $8,500 (G).
44. Melvin Rothbaum, Associate Professor of Labor and Industrial Relations, beginning August 1, 1962, at an annual salary of $11,000 (DY).
45. Neal J. Rothman, Research Associate in Mathematics, from August 16-31, 1962, at a salary of $444 (G); and Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of $8,000 (B).
46. Roger A. Schmitz, Assistant Professor of Chemistry and Chemical Engineering, beginning September 1, 1962, at an annual salary of $7,500 (D).
47. Jacob N. Shanberge, Clinical Associate Professor of Pathology, College of Medicine, beginning September 1, 1962, without salary (DY).
48. Mahendar Singal, Visiting Assistant Professor of Mathematics, for the academic year 1962-63, at a salary of $7,000 (E).
49. Hazel Taylor Spitze, Assistant Professor of Home Economics Education, for the first semester, 1962-63, on three-fourths time, at a salary of $2,812 (D75).
50. Jacob Stern, Assistant Professor of Industrial Education, beginning September 1, 1962, at an annual salary of $8,000 (D).
51. R. Bruce Townsend, Visiting Professor of Law, for the first semester of 1962-63, at a salary of $5,700 (G).
52. Jerry L. Walker, Assistant Professor of Education, beginning September 1, 1962, at an annual salary of $7,800 (D).
53. Gregorio Weber, Professor of Biochemistry, beginning September 1, 1962, at an annual salary of $15,500 (A).
54. Paul M. Weichsel, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of $8,000 (B).
55. Robert Wirtz, Visiting Research Assistant Professor, University High School, beginning September 1, 1962, on three-fourths time, at an annual salary of $7,500 (D75).
56. Lloyd A. Witting, Assistant Professor of Biological Chemistry, College of Medicine, beginning September 1, 1962, without salary (DY).
57. Cheng Yi Yang, Assistant Professor of Civil Engineering, beginning September 1, 1962, at an annual salary of $6,900 (D).
58. Willard R. Zemlin, Assistant Professor of Speech and Theatre, beginning September 1, 1962, at an annual salary of $8,225 (BY).

On motion of Mr. Swain, these appointments were confirmed.

NONSALARIED FACULTY OF THE COLLEGE OF MEDICINE.
1962-1963

(3) I present the following list of appointments to the nonsalaried faculty of the College of Medicine for the academic year beginning September 1, 1962.

The designation "Rush" in a title is used to identify former members of the Rush Medical College faculty who were taken over by the University in 1941 as part of the affiliation with the former Presbyterian Hospital, now Presbyterian-St. Luke's Hospital, by authority of the Board of Trustees.

The list includes new appointments and reappointments. Professors and Associate Professors who have been on indefinite tenure in the past are being continued in that status. However, all new appointments at, or promotions to, the rank of Associate Professor are for one year (indicated by the symbol "DY"), and subsequent reappointments of such staff members will be on an annual basis.

On motion of Mr. Williamson, these appointments were approved as listed below.

Summary

<table>
<thead>
<tr>
<th>Department</th>
<th>1961-62</th>
<th>1962-63</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>6 (1)*</td>
<td>5 (1)</td>
</tr>
<tr>
<td>Biological Chemistry</td>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td>Dermatology</td>
<td>23 (2)</td>
<td>28 (3)</td>
</tr>
<tr>
<td>Medical Social Work</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Medicine</td>
<td>295 (24)</td>
<td>286 (27)</td>
</tr>
<tr>
<td>Microbiology</td>
<td>4 (1)</td>
<td>5 (1)</td>
</tr>
<tr>
<td>Neurology and Neurological Surgery</td>
<td>12</td>
<td>11 (1)</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>95 (2)</td>
<td>97 (2)</td>
</tr>
</tbody>
</table>

* The figures in parentheses indicate the number of emeritus members.
<table>
<thead>
<tr>
<th>Department</th>
<th>1961-62</th>
<th>1962-63</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ophthalmology</td>
<td>64 (4)</td>
<td>50 (4)</td>
</tr>
<tr>
<td>Orthopaedic Surgery</td>
<td>30 (2)</td>
<td>27 (2)</td>
</tr>
<tr>
<td>Otolaryngology</td>
<td>68 (6)</td>
<td>69 (8)</td>
</tr>
<tr>
<td>Pathology</td>
<td>38 (2)</td>
<td>40 (2)</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>62 (6)</td>
<td>78 (7)</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Physical Medicine and Rehabilitation</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Physiology</td>
<td>3</td>
<td>2 (1)</td>
</tr>
<tr>
<td>Preventive Medicine</td>
<td>11 (1)</td>
<td>11 (1)</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>123 (2)</td>
<td>124 (2)</td>
</tr>
<tr>
<td>Public Health</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Radiology</td>
<td>27</td>
<td>30 (1)</td>
</tr>
<tr>
<td>Surgery (including Urology and Anesthesiology)</td>
<td>220 (11)</td>
<td>221 (11)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1 107 (64)</td>
<td>1 116 (74)</td>
</tr>
</tbody>
</table>

**Anatomy**

GUSTAVE L. ZECHEL, Lecturer with rank of Associate Professor, Emeritus

PHILIP CASELLA, Clinical Assistant Professor

ARTHUR F. CITOLLA, Clinical Assistant Professor

LAWRENCE G. KHEDROO, Clinical Assistant Professor

FRANK A. VICARI, Clinical Assistant Professor

**Biological Chemistry**

MAX K. HORWITZ, Professor

MAX E. RAFELOSON, Jr., Professor

HERMANN G. MATTENHEMER, Associate Professor (DY)

RICHARD D. COLEMAN, Assistant Professor

ALVIN DURIN, Assistant Professor

CHARLES F. DECKER, Assistant Professor

CLYDE C. DOUGHTY, Assistant Professor

SAEED GABALLAH, Assistant Professor

ALVIN J. GLASKY, Assistant Professor

JAMES A. HAYASKI, Assistant Professor

TOHRU INOUE, Assistant Professor

CHARLES F. LANGE, Assistant Professor

JOSEPH SAMACHSON, Assistant Professor

HOWARD H. SKY-PECK, Assistant Professor

GORDON S. STEWART, Clinical Assistant Professor

**Dermatology**

JAMES H. MITCHELL, Clinical Professor (Rush), Emeritus

LEONARD F. WEBER, Clinical Professor, Emeritus

CLARK W. FINNERUP, Clinical Associate Professor (Rush), Emeritus

SYDNEY BARKSEY, Clinical Associate Professor (DY)

SAMUEL W. BECKER, Jr., Clinical Associate Professor (DY)

ALFRED B. FALK, Clinical Associate Professor

PAUL R. GRIFFITH, Clinical Associate Professor

JOHN B. HAEBERLIN, Clinical Associate Professor

IRENE NEUHAUSER, Clinical Associate Professor

MILTON ROBIN, Clinical Associate Professor

ALBERT H. SLEPPAN, Clinical Associate Professor

STEFAN BIELINSKI, Clinical Assistant Professor

IRVING H. DITTELHEIM, Clinical Assistant Professor

ALLEN S. PEARL, Jr., Clinical Assistant Professor

1 The symbol DY indicates the appointment for one year from September 1, 1962, on a twelve-month service basis, and is used here to designate those who are being appointed to the rank of Associate Professor for one year only. Where the symbol DY does not appear, the appointment of a Professor or Associate Professor is on indefinite tenure.

2 Also Resident at Research and Educational Hospitals.

3 Also Resident at Presbyterian-St. Luke's Hospital.

4 Also Resident at Research and Educational Hospitals, assigned to the Institute for Juvenile Research.

5 Also Resident at Cook County Hospital.
LOUIS RUBIN, Clinical Assistant Professor
EDWIN M. SMITH, Clinical Assistant Professor
BERNARD YAFFE, Clinical Assistant Professor
RICHARD OLIVER, Clinical Associate
IRMA ALESHIRE, Clinical Instructor
CHESTER L. KROLL, Clinical Instructor
HAROLD M. SPINKA, Clinical Instructor
SEYMOUR WEINSTEIN, Clinical Instructor
WILLIAM E. BAILEY, Assistant (one year from July 1, 1962)
BRUCE B. BURGESS, Assistant (one year from July 1, 1962)
JACK M. FOX, Assistant
RAYMOND M. HANDLER, Assistant (one year from July 1, 1962)
WILFRIED L. SCHMEBEL, Clinical Assistant
Seymour WEINSTEIN, Assistant (one year from July 1, 1962)
BRUCE B. BURGESS, Assistant (one year from July 1, 1962)

Medical Social Work

JOSEPHINE G. TAYLOR, Assistant Professor
NANCY V. GILSEN, Assistant Professor

Medicine

WALTER C. ALVAREZ, Lecturer in Medicine with rank of Professor, Emeritus
AARON ARKIN, Clinical Professor (Rush), Emeritus
JAMES B. EYERLY, Clinical Professor (Rush), Emeritus
MORRIS FISHEIN, Lecturer in Medicine with rank of Professor (Rush), Emeritus
ELLIS B. FREILICH, Clinical Professor, Emeritus
WILLIAM G. HIBBS, Clinical Professor (Rush), Emeritus
FRANK B. KELLY, Clinical Professor (Rush), Emeritus
WILBER E. POST, Clinical Professor (Rush), Emeritus
SIDNEY STRAUS, Clinical Professor, Emeritus
WILLIAM A. THOMAS, Clinical Professor (Rush), Emeritus
ALBERT VANDERKLOOT, Clinical Professor, Emeritus
JAMES A. CAMPBELL, Professor
RICHARD B. CAPPS, Clinical Professor
LOUIS FELDMAN, Clinical Professor
HAROLD C. LUETH, Clinical Professor
OGLESBY PAUL, Clinical Professor
KARL H. PFUETZE, Clinical Professor
BENZ. RAPHAEL, Clinical Professor
THEODORE B. SCHWARTZ, Professor
GEORGE W. STUFFY, Clinical Professor (Rush)
WILLIAM W. WOOD, Clinical Professor (Rush)
WILLIAM S. HOFFMAN, Lecturer with rank of Professor
BENJAMIN GOLDBERG, Clinical Associate Professor, Emeritus
ALVA A. KNIGHT, Clinical Associate Professor (Rush), Emeritus
FRANK B. LUSK, Clinical Associate Professor, Emeritus
SAMUEL PERLSTEIN, Clinical Associate Professor, Emeritus
HOWARD M. SHEAFF, Clinical Associate Professor (Rush), Emeritus
EUGENE F. TRAUT, Clinical Associate Professor (Rush), Emeritus
RALPH W. TRIMMER, Clinical Associate Professor (Rush), Emeritus
HOWARD WAKEFIELD, Clinical Associate Professor, Emeritus
MELVIN L. AFREMOV, Clinical Associate Professor
EVAN M. BARTON, Clinical Associate Professor (Rush)
ARTHUR BERNSTEIN, Clinical Associate Professor
HERBERT C. BREUHAUS, Clinical Associate Professor
GEORGE V. BYFIELD, Clinical Associate Professor
THOMAS J. COOGAN, Clinical Associate Professor
JACOB W. FISCHER, Clinical Associate Professor
MURRAY FRANKLIN, Clinical Associate Professor
JOHN S. GRAETTINGER, Associate Professor
EARLE GRAY, Clinical Associate Professor (Rush)
P.M. HELLER, Associate Professor
EDWIN N. IRONS, Clinical Associate Professor
ROY J. KORN, Associate Professor
ROBERT O. LEVITT, Clinical Associate Professor
MEYER R. LICHTENSTEIN, Clinical Associate Professor
ARMAND LITTMAN, Associate Professor
CLAYTON J. LUNDY, Clinical Associate Professor (Rush)
J. CHARLES McMillan, Jr., Clinical Associate Professor
MILTON M. MOSKO, Clinical Associate Professor
JEROME T. PAUL, Clinical Associate Professor
ISADORE PILOT, Clinical Associate Professor
THEODORE Z. POLLEY, Clinical Associate Professor
EUGENE J. RANKE, Clinical Associate Professor
SAMUEL H. ROSENBLOOM, Clinical Associate Professor
WILLIAM SAPHIR, Clinical Associate Professor
ARMIN F. SCHICK, Clinical Associate Professor (Rush)
JAMES A. SCHUEMBERGER, Clinical Associate Professor
MITCHELL A. SPELLBERG, Clinical Associate Professor
IRWIN E. STECK, Clinical Associate Professor
FRANK E. TROBAUGH, Jr., Associate Professor
LIONEL M. BERNSTEIN, Associate Professor (DY)
MAX BERG, Clinical Associate Professor (DY)
GEORGE H. BERRYMAN, Clinical Associate Professor (DY)
AARON GUNTHEI, Clinical Associate Professor (DY)
JANET R. KINNEY, Clinical Associate Professor (DY)
SHELDON E. KRASNOW, Clinical Associate Professor (DY)
JOE H. LAST, Clinical Associate Professor (DY)
HERMAN A. LEVY, Lecturer with rank of Associate Professor (DY)
BERTRAM G. NELSON, Clinical Associate Professor (Rush) (DY)
LAWRENCE PERLMAN, Clinical Associate Professor (DY)
VICTOR E. POLIAK, Research Associate Professor (DY)
PAUL RAVENNA, Clinical Associate Professor (DY)
ALFRED H. ROSENBLOOM, Lecturer with rank of Associate Professor (DY)
GRAHAM A. VANCE, Clinical Associate Professor (DY)
LEO E. AMTMAN, Clinical Assistant Professor, Emeritus
JOHN A. GARDINER, Clinical Assistant Professor (Rush), Emeritus
BENJAMIN H. HILKEVITCH, Clinical Assistant Professor (Rush), Emeritus
GRANT H. LAING, Clinical Assistant Professor, Emeritus
OSMUND H. AKRE, Clinical Assistant Professor
DAVID BALDWIN, Clinical Assistant Professor
ROBERT J. BECKER, Clinical Assistant Professor
HERBERT E. BESSINGER, Clinical Assistant Professor
ALBIN M. BRIXEY, Jr., Clinical Assistant Professor
DAVID BRONSKY, Clinical Assistant Professor
RALPH G. BROWN, Clinical Assistant Professor
RICHARD A. CARLETON, Clinical Assistant Professor
CHESTER COGGESHALL, Clinical Assistant Professor
ANGELO P. CRETIOS, Clinical Assistant Professor
JOHN A. DETWEILER, Clinical Assistant Professor
HUGO O. DEUSS, Lecturer with rank of Assistant Professor
HENRY D. DEYOUNG, Clinical Assistant Professor
PETER J. FARAGO, Clinical Assistant Professor
ROBERT E. FELIX, Clinical Assistant Professor
BENUM W. FOX, Clinical Assistant Professor
DONALD T. FOXWORTHY, Clinical Assistant Professor
SANFORD A. FRANZBRAU, Clinical Assistant Professor
GERHARD FREUND, Clinical Assistant Professor
ROBERT C. FRUTN, Clinical Assistant Professor
RAYMOND M. GALT, Clinical Assistant Professor
MORTON A. GOLDMANN, Clinical Assistant Professor
BUFORD HALL, Clinical Assistant Professor
WILLIAM J. HAN, Clinical Assistant Professor
HARRY L. HUNTER, Clinical Assistant Professor
FRANK W. JONES, Clinical Assistant Professor
PHILIP N. JONES, Clinical Assistant Professor
BENJAMIN M. KAPLAN, Clinical Assistant Professor
ERNST KAPLAN, Clinical Assistant Professor
ROLAND L. KESLER, Clinical Assistant Professor (Rush)
WALLACE W. KIRKLAND, JR., Clinical Assistant Professor
SYDNEY KOFMAN, Assistant Professor
CHARLES H. LAWRENCE, Clinical Assistant Professor
BRUCE D. LEE, Clinical Assistant Professor
WALLACE W. KIRKLAND, JR., Clinical Assistant Professor
VINCENT L. KESLER, Clinical Assistant Professor
WILLIAM R. MCCABE, Assistant Professor
JEROME S. MEHLMAN, Clinical Assistant Professor
MORGAN M. MEYER, Clinical Assistant Professor
THOMAS MORRISON, Clinical Assistant Professor
ROBERT C. MUEHRCKE, Clinical Assistant Professor
JOSEPH J. MUEHLEN, JR., Assistant Professor
JOHN R. NECHELES, Clinical Assistant Professor
ROBERT M. POSKE, Clinical Assistant Professor
JOHN POST, Clinical Assistant Professor (Rush)
OLDRICH PREC, Lecturer with rank of Assistant Professor
MARJORIE M. PYLE, Clinical Assistant Professor
ALEXANDER N. RUGGIE, Clinical Assistant Professor
ANTHONY R. SAPIENZA, Clinical Assistant Professor
HAROLD SCHOOLMAN, Clinical Assistant Professor
JOHN T. SHARP, Clinical Assistant Professor
ROBERT E. SLAYTON, Clinical Assistant Professor
ELIZABETH K. STRAUS, Lecturer with rank of Assistant Professor (Rush)
DONALD W. TARUN, Clinical Assistant Professor
ANGELO TOCIO, Clinical Assistant Professor
SEYMOUR W. WEISBERG, Clinical Assistant Professor
JEROME S. MEHLMAN, Clinical Assistant Professor
EDWARD J. WISS, Clinical Assistant Professor
ALEXANDER WOLF, Clinical Assistant Professor
CHARLES K. WOLFE, JR., Clinical Assistant Professor
SIMON ZIVIN, Clinical Assistant Professor
LUKE J. GRIMELLI, Clinical Associate, Emeritus
EUGENE GROZS, Clinical Associate, Emeritus
ROBERT N. HEDGES, Clinical Associate, Emeritus
J. L. Lisle WILLIAMS, Associate, Emeritus
JOHN L. CIRZAN, Clinical Associate
G. WILLIAM COTTS, Clinical Associate
JOSEPH A. DAVIS, Clinical Associate
MICHAEL M. DIGILIO, Clinical Associate
CARL A. HEDBLOM, JR., Clinical Associate
WILLIAM H. HIGHTSTONE, Clinical Associate
WALTER F. HOPEPNER, Clinical Associate
LOUIS C. JOHNSTON, Clinical Associate
WILLIAM J. KIRBY, Clinical Associate (Rush)
AUDLEY R. MAMBY, Clinical Associate
SAMUEL MATLIN, Clinical Associate
PETER S. MAYER, Clinical Associate
JEROME S. MEHLMAN, Clinical Associate
DONALD E. O'BRIEN, Clinical Associate
JOSHDUB ODEN, JR., Clinical Associate
MARVIN S. ROSENBERG, Research Associate (one year from July 1, 1962)
RICHARD R. ROSKELLEY, Clinical Associate
SEYMOUR R. SALBERG, Clinical Associate
RALPH A. SCALA, Clinical Associate
JEROME F. STRAUSS, JR., Clinical Associate
KASRIEL TAUSK, Clinical Associate
RAYMOND TEPFEL, Clinical Associate
CHESTER B. THRIFT, Clinical Associate
CHARLES S. VIL, Clinical Associate
EARL A. VONDRAK, Clinical Associate
JAMES R. ZVETINA, Clinical Associate
MAURICE M. ALBALA, Clinical Instructor
EARL T. ANDERSON, Instructor (one year from July 1, 1962)
SAMUEL BERGER, Clinical Instructor
JOHN D. BEST, Instructor (one year from July 1, 1962)
PHILIP E. BLATT, Instructor (one year from July 1, 1962)
WILLIAM V. BLAZEK, Instructor (one year from July 1, 1962)
ALLEN F. BOWYER, Instructor (one year from July 1, 1962)
JOSEPH T. BRANIT, Clinical Instructor
WILLIAM C. BROWN, Clinical Instructor
MILDRED BUDRYS, Clinical Instructor
FRANK C. CARTER, Clinical Instructor
WILLIAM CLAY, Clinical Instructor
THOMAS D. DALE, Jr., Clinical Instructor
ROBERT E. DEEDMON, Instructor (one year from July 1, 1962)
JAMES E. DILL, Clinical Instructor
DEAN F. DIMICK, Clinical Instructor
PETER G. ECONOMOU, Instructor (fourteen months from July 1, 1962)
CHARLES M. ELWOOD, Instructor (one year from July 1, 1962)
JOHN R. ERICKSON, Clinical Instructor
MIGUEL A. ESCOBAR, Instructor (three months from July 1, 1962)
WILLIAM E. FISHMAN, Clinical Instructor
GEORGE C. FLANAGAN, Instructor
RICHARD P. FOTH, Clinical Instructor (fourteen months from July 1, 1962)
RONALD E. FOX, Clinical Instructor
WILLIAM L. FREUD, Clinical Instructor
RAYMONDS G. GAILITIS, Clinical Instructor
WILLIAM R. GARR, Clinical Instructor
CARL A. GEBUIHR, Clinical Instructor
PAUL K. HANASHIO, Instructor (one year from July 1, 1962)
DONALD H. HANSCOM, Clinical Instructor
THOMAS H. HAYES, Clinical Instructor
ROBERT N. HEDGES, Jr., Clinical Instructor
JOHN P. HENRY, Clinical Instructor
ROBERT L. HERTING, Clinical Instructor
ALLEN HOFFMAN, Clinical Instructor
ALBERT W. HOLMES, Jr., Instructor (one year from July 1, 1962)
NATHAN J. IGLITZEN, Clinical Instructor
MOHAMMAD INAYATULLAH, Instructor (one year from July 1, 1962)
MEILUTE A. INDREIKA, Clinical Instructor
RODNEY A. JAMIESON, Clinical Instructor
HAROLD L. JENSEN, Clinical Instructor
JOHN C. JONES, Clinical Instructor
IRENE G. KAGANIEC, Clinical Instructor
ROBERT S. KASSRIEL, Clinical Instructor
FRANK B. KELLY, Jr., Clinical Instructor
EUGENE S. KRASNOW, Clinical Instructor
WILLIAM J. KRISTY, Clinical Instructor
JERRY P. LEWIS, Instructor (one year from July 1, 1962)
JOHN LOCKHART, Instructor (one year from July 1, 1962)
PATRICIA A. MCREARY, Clinical Instructor
RANDALL L. MANN, Clinical Instructor
JULIO MARST, Clinical Instructor
WAYNE E. MATHEY, Clinical Instructor
VIDVUDS MEDENIS, Clinical Instructor
PAUL A. MEREDITH, Clinical Instructor
JEROME E. NEUSTADT, Clinical Instructor
JULIUS S. NEWMAN, Clinical Instructor
ROBERT F. O'BOYLE, Instructor (three months from July 1, 1962)
LEONARD OHRRINGER, Clinical Instructor
CHARLES P. PERLIA, Instructor
WILLIAM H. PHELAN, Clinical Instructor
GLOUCESTER A. PRICE, JR., Clinical Instructor
PETER PULOS, Clinical Instructor
ANITA ROBBINS, Clinical Instructor
DEAN S. ROSETT, Clinical Instructor
GEORGE S. SCHOLLY, Instructor (one year from July 1, 1962)
ROGER R. SCHUESSLER, Clinical Instructor
WILLIAM K. SIFPHAM, Clinical Instructor
VITALIDS S. SILINS, Instructor
JAY SILVERMAN, Instructor (one year from July 1, 1962)
MARSHALL J. SNAPPE, Clinical Instructor
WILLIAM R. STARR, Clinical Instructor
HARRY B. STONE, Clinical Instructor
MARIAN S. TARZYNSKI, Clinical Instructor
W. RANDOLPH TUCKER, Instructor (one year from July 1, 1962)
ALSTON C. TWISS, Clinical Instructor
PAUL L. WINTER, Clinical Instructor
ARTHUR L. ABBOTT, Assistant (one year from July 1, 1962)
ARTHUR J. ANDERSON, Assistant (one year from July 1, 1962)
LEWELLEYN R. BIGELOW, Assistant (one year from July 1, 1962)
BERNARD B. BLAUAU, Jr., Assistant (one year from July 1, 1962)
HELEN C. BONBRET, Assistant (one year from July 1, 1962)
JACK L. CHITTY, Clinical Assistant
JAMES G. CLARK, Assistant (one year from July 1, 1962)
LEON I. COHEN, Clinical Assistant
THOMAS J. COGAN, Jr., Assistant (one year from July 1, 1962)
DONALD R. DARLING, Clinical Assistant (on leave of absence for military service)
RUDOLF DONATH, Assistant (one year from July 1, 1962)
ROBERT B. EPSTEIN, Clinical Assistant
JUNE R. FINER, Assistant (five months from July 1, 1962)
NANCYGUBISCH, Research Assistant (one year from July 1, 1962)
WILLIAM M. HAMBY, Clinical Assistant
REYNOLD T. LARSEN, Assistant (one year from July 1, 1962)
JOSEPH LIBNOCH, Clinical Assistant
BERYL LONITZ, Clinical Assistant
JAMES C. LOWE II, Assistant (one year from July 1, 1962)
GORDON D. LUCAS, Assistant (one year from July 1, 1962)
EDWIN B. MILLER, Clinical Assistant
GEORGE A. NELSON, Jr., Assistant (seven months from December 1, 1962)
ALBERT F. NIBBE, Assistant (one year from July 1, 1962)
DIEGO NORENA, Research Assistant (one year from July 1, 1962)
JOHN C. PERKINS, Assistant (one year from July 1, 1962)
MAURICE B. PICKARD, Assistant (one year from July 1, 1962)
NORMAN W. REAM, Assistant (one year from July 1, 1962)
RONALD R. REED, Clinical Assistant
ELIZABETH F. RICHARDSON, Assistant (one year from July 1, 1962)
ARTHUR H. ROSENBERG, Assistant (one year from July 1, 1962)
BOHUMIL A. SAMAL, Assistant (one year from July 1, 1962)
BRUCE G. SAVILLE, Assistant (one year from July 1, 1962)
ANTHONY M. SCARDINO, Clinical Assistant (on leave of absence for military service)
STANLEY S. SHIMODA, Assistant (one year from July 1, 1962)
JOSEPH V. SIMONE, Assistant (one year from July 1, 1962)
ALAN J. SÖRSCHER, Clinical Assistant
ARMANDO SUSMANO, Assistant (one year from July 1, 1962)
CÉSAR TORRES, Research Assistant
RAMON A. UBERA, Assistant (one year from July 1, 1962)
JORDAN D. WAXMAN, Assistant (one year from July 1, 1962)
HOWARD G. WILCOX, Assistant (one year from July 1, 1962)
EDMUND M. ZIOLKOWSKI, Clinical Assistant

Microbiology

FRIEDRICH W. DEINHARDT, Associate Professor
Board of Trustees

George F. Forster, Lecturer with rank of Assistant Professor
Ralph H. Hubble, Lecturer with rank of Instructor
William Landau, Instructor
Elta W. Knoll, Assistant, Emerita

Neurology and Neurological Surgery

George F. Forster, Lecturer with rank of Assistant Professor
Ralph H. Hubble, Lecturer with rank of Instructor
William Landau, Instructor
Elta W. Knoll, Assistant, Emerita

Obstetrics and Gynecology

Edward D. Allen, Clinical Professor (Rush), Emeritus
Harry Boyden, Clinical Professor (Rush)
Arthur Arnold, Clinical Assistant Professor
Richard O. Burns, Jr., Clinical Instructor
Virginia R. Sorum, Clinical Associate
Nathan Zolt, Clinical Associate
Eli Tobias, Clinical Instructor
Philipp M. Lippe, Assistant
Diego Monteverde, Assistant
Goro Tsuchiya, Assistant
Lyle E. Wacaser, Assistant
Walter Whisler, Assistant

Edward D. Allen, Clinical Professor (Rush), Emeritus
Harry Boyden, Clinical Professor (Rush)
Arthur Arnold, Clinical Assistant Professor
Richard O. Burns, Jr., Clinical Instructor
Virginia R. Sorum, Clinical Associate
Nathan Zolt, Clinical Associate
Eli Tobias, Clinical Instructor
Philipp M. Lippe, Assistant
Diego Monteverde, Assistant
Goro Tsuchiya, Assistant
Lyle E. Wacaser, Assistant
Walter Whisler, Assistant

September 19
JOSEPH B. TETON, Clinical Assistant Professor
VASIL TRUCHELY, Clinical Assistant Professor
FRANK J. WALSH, Clinical Assistant Professor
BRUCE P. ZUMMO, Clinical Assistant Professor
JOSEPH S. ANGELL, Clinical Instructor
JOHN F. BARTELS, Clinical Instructor
KURT BOCHNER, Instructor (one year from July 1, 1962)
GEORGE C. BONERTZ, Instructor (one year from July 1, 1962)
ALLAN G. CHARLES, Clinical Instructor
DONALD M. FAHRENBACK, Clinical Instructor
EDWIN L. FALLOON, Clinical Instructor
HARVEY A. GOLIN, Clinical Instructor
WILLIAM P. GORDON, Jr., Instructor (one year from July 1, 1962)
JOHN R. KOSTELNY, Clinical Instructor
ROBERT J. LEE, Instructor (one year from July 1, 1962)
LAWRENCE LEVINE, Clinical Instructor
JOSEPH J. MULLEN, Clinical Instructor
EDWIN E. NYMAN, Clinical Instructor
DENES ORBAN, Clinical Instructor (fourteen months from July 1, 1962)
MICHAEL P. PILL, Clinical Instructor
RICHARD R. ROBIE, Instructor (one year from July 1, 1962)
GABRIEL A. RODRIGUEZ, Instructor (one year from July 1, 1962)
MARVIN A. ROSSNER, Clinical Instructor
JACK A. SAMSON, Clinical Instructor
LIONEL J. SCHEWITZ, Clinical Instructor
EDWARD A. STONE, Clinical Instructor
NATHAN TOLWINISKY, Clinical Instructor
NANCY C. TREADWELL, Clinical Instructor
GEORGE F. VLAISIS, Clinical Instructor
LaVERNE M. WALLHEISER, Clinical Instructor
ALVIN F. WIEBESMA, Clinical Instructor
JOHN A. AIMONE, Clinical Assistant
JOSEPH H. CLEVINGER, Jr., Assistant (one year from July 1, 1962)
DELOS R. COZAD, Clinical Assistant
ANDREW V. DAHLBERG, Clinical Assistant
WILLIAM H. DONOVAN, Jr., Clinical Assistant
EARL S. FULLER, Assistant (one year from July 1, 1962)
WILLIAM M. GARDNER, Assistant (one year from July 1, 1962)
ROGER A. GÖTZ, Assistant (one year from July 1, 1962)
TERRENCE C. HANSEN, Assistant (one year from July 1, 1962)
THOMAS HEJNA, Assistant (one year from July 1, 1962)
MARIO A. IRIGOYEN, Clinical Assistant
ELMER J. JUSTEMA, Clinical Assistant
SIDNEY C. KAHIN, Clinical Assistant
ANTHONY N. KENWICK, Clinical Assistant
ROBERT H. OBERHELMAN, Clinical Assistant
ADRIAN R. OLECK, Clinical Assistant
ROBERT P. OLSON, Assistant (one year from July 1, 1962)
EUGENE D. ROTHENBERG, Assistant (one year from July 1, 1962)
PETER D. SCALZITI, Assistant (one year from July 1, 1962)
IRVING SHIFKOWITZ, Assistant (one year from July 1, 1962)
KENNETH M. SUSSMAN, Assistant (one year from July 1, 1962)
LAWRENCE J. SYKORA, Clinical Assistant

**Ophthalmology**

WILLIAM F. MONCREIFF, Clinical Professor (Rush), Emeritus
WILLIAM F. HUGHES, Clinical Professor
EARLE B. FOWLER, Clinical Associate Professor (Rush), Emeritus
GEORGIANA D. THEOBALD, Clinical Associate Professor and Clinical Pathologist, Emeritus
CARL APPLE, Clinical Associate Professor
JOSEPH S. HAAS, Clinical Associate Professor
DANIEL SNYDACKER, Clinical Associate Professor
THEODORE N. ZEMAN, Clinical Associate Professor
ROBERT R. HERBST, Clinical Assistant Professor
GILBERT ISER, Clinical Assistant Professor
DAVID B. MAHER, Clinical Assistant Professor
H. ISABELLE McGARRY, Clinical Assistant Professor
G. HENRY MUNDT, Jr., Clinical Assistant Professor
EDWARD A. PUSHKIN, Clinical Assistant Professor
SAMUEL M. SCHALL, Clinical Assistant Professor
KARL J. SCHERIBEL, Clinical Assistant Professor (Rush)
MANUEL L. STILLERMAN, Clinical Assistant Professor
MARTIN J. URIST, Clinical Assistant Professor
VERNON M. LEECH, Clinical Associate (Rush), Emeritus
WALTER L. BAYARD, Clinical Associate
DAVID B. MAKER, Clinical Assistant Professor
H. ISABELLE McGARRY, Clinical Assistant Professor
G. HENRY MUNDT, JR., Clinical Assistant Professor
EDWARDA. PUSHKIN, Clinical Assistant Professor
SAMUEL Clinical Assistant Professor M. SCHALL,
KARL J. SCHERIBEL, Clinical Assistant Professor (Rush)
MANUELL. STILLERMAN, Clinical Assistant Professor
MARTIN J. URIST, Clinical Assistant Professor
VERNON M. LEECH, Clinical Associate (Rush), Emeritus
WALTER L. BAYARD, Clinical Associate
DAVID V. L. BROWN, Clinical Associate
MICHAEL E. CARROLL, Clinical Associate
VIVIAN A. CATION, Clinical Associate
WILLIAM E. DEUTSCH, Clinical Associate
LEONA R. FORDON, Clinical Associate
ALDONA A. JUSKA, Clinical Associate
BURTON M. KRAMER, Clinical Associate
ARTHUR LIGHT, Clinical Associate
ROBERT H. MURPHY, Clinical Associate
VALDO P. OLEARI, Clinical Associate
JUDITH V. PERRY, Clinical Associate
BURTON A. RUSSMAN, Clinical Associate
BARBARA SFIRO, Clinical Associate
JOSEPH TATAR, Clinical Associate
ALBERT E. TENNENBAUM, Clinical Associate
KARL E. TICHO, Clinical Associate
JACK TRESLEY, Clinical Associate
SHERWIN A. FOX, Clinical Instructor
IRWIN MENACHOF, Clinical Instructor
NORBERT J. NOWICKI, Clinical Instructor
DAVID C. WHITSELL, Clinical Instructor
MICHAEL BELSON, Assistant (one year from July 1, 1962)
JOHN CAIRNS, Assistant (one year from July 1, 1962)
CARL GARFINKLE, Assistant (one year from July 1, 1962)
JOEL KAPLAN, Assistant (one year from July 1, 1962)
WALTER KAHERN, Assistant (one year from July 1, 1962)
DAVID S. McDaniel, Assistant (one year from July 1, 1962)
FRANK MENDELBLATT, Assistant (one year from July 1, 1962)
HANS J. RENPENNING, Assistant (one year from July 1, 1962)
ALLEN K. RICE, Assistant (one year from July 1, 1962)

Orthopaedic Surgery
FRANK G. MURPHY, Clinical Associate Professor, Emeritus
CARLO S. SCUDERI, Clinical Associate Professor of Orthopaedics
FRED SHAPIRO, Clinical Associate Professor (Rush)
HORACE E. TURNER, Clinical Assistant Professor, Emeritus
WILLIAM A. MARSHALL, Clinical Assistant Professor
ROBERT P. MEANY, Clinical Assistant Professor
LEO F. MILLER, Clinical Assistant Professor
RAYMOND J. PELLIcore, Clinical Assistant Professor
DONALD ROSS, Clinical Assistant Professor
TAWFIK Y. SABET, Research Associate
JAMES P. AHSTROM, Clinical Instructor
RAZMEZ AQUAD, Instructor (one year from July 1, 1962)
THOMAS H. COMFORT, Instructor
RICHARD M. CRONIN, Clinical Instructor
RONALD L. DEWALD, Assistant (on leave of absence for military service)
UNIVERSITY OF ILLINOIS

CHARLES E. GAVIN, Clinical Instructor
WILLIAM A. HARK, Clinical Instructor
WILLIAM F. HEJNA, Instructor
ALAIN F. MENGUY, Instructor
CLIFFORD O. NYMAN, Clinical Instructor
WALTER R. PETERSEN, Clinical Instructor
IRWIN B. RICH, Clinical Instructor
LOUIS S. VARZINO, Clinical Instructor (Rush)
RIAD BARMADA, Assistant (one year from July 1, 1962)*
JORGE O. GALANTE, Assistant (one year from July 1, 1962)*
ROBERT V. JOHNSON, Assistant (one year from July 1, 1962)*
ROLLO J. NESSET, Assistant (one year from July 1, 1962)*

Otolaryngology

DANIEL B. HAYDEN, Clinical Professor (Rush), Emeritus
ABRAHAM R. HOLLENDER, Professor, Emeritus
WALTER H. THEOBALD, Clinical Professor, Emeritus
OLIVER E. VANALYEA, Clinical Professor, Emeritus
SAMUEL M. MORWITZ, Clinical Associate Professor, Emeritus
RICHARD W. WATKINS, Clinical Associate Professor, Emeritus
ALBERT H. ANDREWS, Jr., Clinical Associate Professor of Bronchoesophagology
OSCAR J. BECKER, Clinical Associate Professor
WALTER W. DALITSCH, Clinical Associate Professor
STANTON A. FRIEDBERG, Clinical Associate Professor (Rush)
KENNETH C. JOHNSTON, Clinical Associate Professor of Bronchoesophagology
G. KENNETH LEWIS, Clinical Associate Professor
ROBERT B. LEWY, Clinical Associate Professor
GEORGE S. LIVINGSTON, Clinical Associate Professor
MAURICE F. SNITMAN, Clinical Associate Professor
LINDEN J. WALLNER, Clinical Associate Professor (Rush)
LOUIS SAVITT, Clinical Assistant Professor, Emeritus
HELMUT BLUMENTHAL, Clinical Assistant Professor
EDWARD L. CHAINSKI, Clinical Assistant Professor
ARTHUR J. COOMBS, Clinical Assistant Professor
ELMER A. FRIEDMAN, Clinical Assistant Professor
LOIS D. GREENE, Clinical Assistant Professor
RICHARD E. MARCUS, Clinical Assistant Professor
ARTHUR L. RATKO, Clinical Assistant Professor
LEO A. SATZ, Clinical Assistant Professor
FRANK WOJNIAK, Clinical Assistant Professor (Rush)
WILLIAM A. SMILEY, Clinical Associate, Emeritus
L. ERLIN BARTLETT, Clinical Associate
BRUNO BLUMKLOTZ, Clinical Associate
DAVID Q. DALE, Clinical Associate
JESSE J. GORKEY, Clinical Associate
ANDREAS G. KODROS, Clinical Associate
ROLAND A. KOWAL, Clinical Associate
MILTON E. KURTH, Clinical Associate
COLETTE JEANTET, Clinical Associate
MARIO D. MANSUETO, Clinical Associate
JOSEPH F. ORRICO, Clinical Associate
HANKISHEN SINGH, Clinical Associate
PIERCE W. THEOBALD, Clinical Associate
JOHN A. WEIDEMANN, Clinical Associate
ROBERT H. BORKENHAGEN, Clinical Instructor
RALPH A. CASCIAO, Clinical Instructor
GEORGE H. CONNER, Clinical Instructor (on leave of absence for military service)
JOSE LUIS FERRER, Clinical Instructor
DINO G. MAURIZI, Clinical Instructor (on leave of absence for military service)
PHILLIP I. MOZER, Clinical Instructor
THADDEUS S. PIERCE, Clinical Instructor
EDWARD A. RAZIM, Clinical Instructor
LOUIS F. SCARAMELLA, Clinical Instructor
KARL H. SIEBENTOP, Clinical Instructor
KURT SPRINGER, Clinical Instructor
ALDO C. SIRUGO, Clinical Instructor
JOYCE A. SCHILD, Clinical Instructor
LOUIS T. TENTA, Clinical Instructor
ARTHUR I. BRODER, Assistant (one year from July 1, 1962)
ROBIN COTTON BROWN, Assistant (one year from July 1, 1962)
JOHN N. COMITO, Assistant (on leave of absence for military service)
ROGER A. EGGERT, Assistant (one year from July 1, 1962)
JOHN N. COMITO, Assistant (on leave of absence for military service)
THOMAS E. GRIFFITH, Assistant (one year from July 1, 1962)
GERALD E. GUEMMER, Clinical Assistant
HAROLD L. LAKER, Assistant (one year from July 1, 1962)
FRANKLIN S. MASSARI, Assistant (one year from July 1, 1962)
JERRY J. KEARNS, Clinical Associate Professor, Emeritus
JOHN P. AYER, Associate Professor (DY)
FREDERICK C. BAUER, JR., Clinical Associate Professor
HAROLD A. GRIMM, Clinical Associate Professor
JERRY J. KEARNS, Clinical Associate Professor
JOSEPH P. VELEK, JR., Assistant (one year from July 1, 1962)

Pathology

GEORGE M. HAS, Professor
LESTER S. KING, Clinical Professor
CHARLES E. CAHN-BRONNER, Professorial Lecturer, Emeritus
JERRY J. KEARNS, Clinical Associate Professor, Emeritus
JOHN P. AYER, Associate Professor (DY)
FREDERICK C. BAUER, JR., Clinical Associate Professor
HAROLD A. GRIMM, Clinical Associate Professor
GRANT C. JOHNSON, Clinical Associate Professor
COYE C. MASON, Clinical Associate Professor
MARTIN A. SWERDLOW, Clinical Associate Professor
JAMES R. THOMPSON, Clinical Associate Professor
ROBERT W. ALEXANDER, Assistant Professor
RAYMOND A. CLASEN, Assistant Professor
REUBEN EISENSTEIN, Assistant Professor
DONALD J. SWALTON, Assistant Professor
FRANCIS E. ESCHBAUGH, Clinical Assistant Professor
WENDELL R. FEIBEL, Clinical Assistant Professor
FREDERICK O. FLYNN, Lecturer in Legal Medicine with rank of Assistant Professor
FRANZ E. SIEGEL, Lecturer with rank of Clinical Assistant Professor
ROBERT V. HOFFMAN, JR., Clinical Assistant Professor
ALBERT W. SCHWEITZER, Clinical Assistant Professor
JONAS VALAITIS, Clinical Assistant Professor
PAUL A. VAN PENNIS, Clinical Assistant Professor
JAMES R. HABEGGER, Clinical Associate
JOHN E. MALONEY, Clinical Associate
HECTOR A. BATTIFORA, Instructor (one year from July 1, 1962)
JOSEPH C. ENWIN, Clinical Instructor
JOSEPH J. HOSEK, Instructor (one year from July 1, 1962)
VICTOR R. JABLONSKI, Clinical Instructor
IRWIN K. KLING, Clinical Instructor
THOMAS D. MAHONEY, Instructor (one year from July 1, 1962)
ERNST R. POHLMAN, Instructor (one year from July 1, 1962)
SEYMOUR ROSEN, Instructor (one year from July 1, 1962)
JAMES A. SURVIS, Instructor (one year from July 1, 1962)
JAMES T. BOAL, Assistant (one year from July 1, 1962)
ROBERT C. MINSEK, Assistant (one year from July 1, 1962)
BYRON RUSKIN, Assistant (one year from July 1, 1962)
MOHSEN SHAKKERI, Assistant (one year from July 1, 1962)
ROGER D. SMITH, Assistant (one year from July 1, 1962)
MOHSUROJ. Tabatabai, Assistant (one year from July 1, 1962)
MALCOLM V. VYE, Assistant (one year from July 1, 1962)
Pediatrics

ALFRED D. BIGGS, Clinical Professor, Emeritus
CRAIG D. BUTLER, Clinical Professor (Rush), Emeritus
CLIFFORD GROULIE, Clinical Professor (Rush), Emeritus
ARCHIBALD L. HOYNE, Clinical Professor (Rush), Emeritus
HUGH MCCULLOCH, Lecturer with rank of Professor, Emeritus
JOSEPH RALPH CHRISTIAN, Professor
JOSEPH GREGGARD, Clinical Professor
C. JACK HARRISON, Clinical Professor (Rush)
SAMUEL J. HOFFMAN, Clinical Professor
NOEL G. SHAW, Clinical Professor (Rush)
CHARLES K. STULIK, Clinical Associate Professor (Rush), Emeritus
LAWRENCE BRESLOW, Clinical Associate Professor
LOUIS J. HALPERN, Clinical Associate Professor
HARRY LEICHEMBERG, Clinical Associate Professor
MATTHEW M. LEWISON, Clinical Associate Professor (Rush)
DANIEL J. FACHMAN, Clinical Associate Professor
IRVING B. RICHTER, Clinical Associate Professor
NORMAN T. WELFORD, Clinical Associate Professor (Rush)
DOROTHY T. WELKER, Clinical Associate Professor
WOODRUFF L. CRAWFORD, Clinical Assistant Professor, Emeritus
MAGNUS H. AGUSTSSON, Clinical Assistant Professor
KENE A. ARCILLA, Clinical Assistant Professor
SAMUEL H. BARRON, Clinical Assistant Professor
HANS G. BUCHELERES, Clinical Assistant Professor
MARIANNE P. BUDZEIKA, Clinical Assistant Professor
E. H. CHRISTOPHERSON, Clinical Assistant Professor
VERNON RICHARD DEYOUNG, Clinical Assistant Professor
JOHN B. HALL, Clinical Assistant Professor
MILDRED R. JACKSON, Clinical Assistant Professor
HERMAN B. LANIER, Clinical Assistant Professor
BESSIE L. LENDRUM, Clinical Assistant Professor
RICHARD J. MACK, Clinical Assistant Professor
HARRY T. NAGEL, Clinical Assistant Professor
BRUCE B. NEWMAN, Clinical Assistant Professor
HOMER S. PARKER, Clinical Assistant Professor
MILDRED J. POLNIAZK, Clinical Assistant Professor
KLARA JUDITH PREC, Clinical Assistant Professor
MARTIN SACKS, Clinical Assistant Professor
IRENE SHMIGELSKY, Clinical Assistant Professor
CHARLES E. STEFAN, Clinical Assistant Professor
CHARLES L. SWARTZ, Clinical Assistant Professor
SAMUEL THOMAS, Clinical Assistant Professor
A. A. WOLF, Clinical Assistant Professor
JUAN PEDRO BICOFF, Clinical Instructor
BOHDAN STEPHAN CELEWYCH, Clinical Instructor
JULIA YU CHAO, Clinical Instructor
DANIEL G. CUNNINGHAM, Clinical Instructor
MEL WARREN FEINBERG, Clinical Instructor
SAMUEL PETER GOTOFF, Clinical Instructor
EDWARD KENNETH ISAACSON, Clinical Instructor
CLAY HENRY JONES, Jr., Clinical Instructor
ELIZABETH KELLER, Clinical Instructor
DOLORES E. KNOBLICK, Clinical Instructor
VICTOR M. LO FRIERE, Clinical Instructor
JEROME J. LUBIN, Clinical Instructor
SILVIO DAVID MORALES, Clinical Instructor
KENNETH S. NOLAN, Clinical Instructor
STEPHEN PAWLYNSKYJ, Clinical Instructor
ISIDRO PEREZ, Clinical Instructor
PHILIP LEON WACHTEL, Clinical Instructor
EVELYN M. ANDERSON, Assistant (one year from July 1, 1962)¹
JOAN M. ARNOT, Assistant (one year from July 1, 1962)²
PETER M. BAKER, Assistant (one year from July 1, 1962)³
ALICE P. BLATT, Assistant (one year from July 1, 1962)⁴
GERALD EDELSTEIN, Assistant (one year from July 1, 1962)⁵
RUDOLPH ERICKSON, Assistant (one year from July 1, 1962)⁶
WILLIAM HARTNETT, Assistant (one year from July 1, 1962)⁷
MARION E. JOHNSON, Assistant (eight months from October 1, 1962)⁸
BAYMAN JOORABSCHI, Assistant (one year from July 1, 1962)⁹
RAYMOND KILEY, Assistant (one year from July 1, 1962)⁹
EDWARD LIMP, Assistant (one year from July 1, 1962)⁹
ERNESTO P. NAMIN, Clinical Assistant (ten months from September 1, 1962)
MARGARET H. O'NEAL, Assistant (one year from July 1, 1962)¹⁰
MARY V. RAMEY, Assistant (one year from July 1, 1962)¹¹
RUSSELL Y. SNOW, Assistant (September 15, 1962 to June 30, 1962)¹²

**Pharmacology**

CHESTER J. CAVALLITO, Lecturer with rank of Professor
VICTOR A. DRILL, Lecturer with rank of Professor
HARRIS ISSELL, Lecturer with rank of Professor

**Physical Medicine and Rehabilitation**

H. WORLEY KENDELL, Clinical Professor
REUBEN R. WASSERMAN, Clinical Associate Professor
KATE H. KOHN, Clinical Assistant Professor
ROMAN R. ORYSHKEVICH, Clinical Instructor
LUIS SALOMON, Clinical Instructor

**Physiology**

HAROLD E. HIMWICH, Lecturer with rank of Professor
CHESTER W. DARROW, Associate Professor, Emeritus

**Preventive Medicine**

THOMAS G. HULL, Lecturer with rank of Associate Professor, Emeritus
JERMYN F. MCCAHAN, Clinical Associate Professor
HAROLD W. SPIES, Clinical Associate Professor
ERNST B. ZEISLER, Clinical Associate Professor
SAMUEL L. ANDelman, Lecturer with rank of Assistant Professor
JOYCE C. LASHOF, Assistant Professor
HAROLD H. STEINBERG, Clinical Assistant Professor
AGNES D. L. GOSS, Clinical Instructor
RAYMOND W. STEBLAY, Clinical Instructor
WILLIAM J. METZGER, Research Associate
DAVID M. KESSNER, Clinical Assistant

**Psychiatry**

ROY R. GRINKER, Clinical Professor
PAUL E. NEELSON, Professor
VLADIMIR G. URZE, Clinical Professor
JACK WEINBERG, Clinical Professor
HARRY R. HOFFMAN, Clinical Associate Professor (Rush), Emeritus
WILLIAM H. HAINES, Clinical Associate Professor
ARTHUR A. MILLER, Clinical Associate Professor
DONALD A. R. MORRISON, Clinical Associate Professor
ALAN K. ROSENWALD, Clinical Associate Professor of Psychology
STEPHEN L. SHERWOOD, Clinical Associate Professor of Neurophysiology
ALFRED P. SOLOMON, Clinical Associate Professor
ANNE BENJAMIN, Clinical Associate Professor (DY)
MAURICE KAPLAN, Clinical Associate Professor (DY)
ROBERT G. MCMLLAN, Clinical Associate Professor (DY)
RAYMOND E. ROBERTSON, Clinical Associate Professor (DY)
Harry M. Segenreich, Clinical Assistant Professor
Charles H. Shakya, Clinical Assistant Professor
Morris A. Sklansky, Clinical Assistant Professor
Jeanne Spurlock, Clinical Assistant Professor
Alvin Suslick, Clinical Assistant Professor
Thomas T. Touloumides, Clinical Assistant Professor
Samuel A. Victor, Clinical Assistant Professor
William Weisdorf, Clinical Assistant Professor
Donovan G. Wright, Clinical Assistant Professor
Marvin Zifryna, Clinical Assistant Professor
Hedwig C. Bakony, Clinical Instructor
Marjorie C. Barnett, Clinical Instructor
Gene H. Borowitz, Instructor
Eric G. Brunngraber, Clinical Instructor in Biochemistry
David W. Buck, Clinical Instructor
Jose M. Castillo, Instructor
Oscar Davis, Instructor
Pieter Devrjier, Clinical Instructor
David C. Garron, Instructor in Psychology
Jay G. Hirsch, Clinical Instructor
Marcus A. Jacobson, Clinical Instructor
Jerome I. Katz, Clinical Instructor
Leo V. Kempton, Clinical Instructor
Arthur Kling, Clinical Instructor
Charles H. Kramer, Clinical Instructor
Ana Marquinez, Clinical Instructor
Arthur H. Norton, Clinical Instructor
Robert E. Nyquist, Clinical Instructor
Daniel Offer, Clinical Instructor
Frances C. Perce, Clinical Instructor in Psychology
Sarah R. Peskind, Clinical Instructor in Psychology
William J. Pieper, Instructor
Leonard Rack, Clinical Instructor
Barbara S. Roach, Clinical Instructor
Richard K. Saskill, Clinical Instructor
Donald D. Schwartz, Clinical Instructor
Arlene J. Smith, Clinical Instructor
Morton S. Tabin, Clinical Instructor
John D. Van Pelt, Instructor in Psychology
Herbert Weinstein, Clinical Instructor in Psychology
John M. Whitman, Clinical Instructor
Daga M. Wied, Clinical Instructor
Karl L. Willrich, Clinical Instructor
Arthur A. Woloshin, Clinical Instructor
Gabrielle S. Woloshin, Instructor
Robert I. Yufit, Clinical Instructor in Psychology
Oreste Zalis, Clinical Instructor

Public Health
Edward A. Piszczek, Clinical Associate Professor
Herbert K. Abrams, Clinical Assistant Professor
Leroy L. Fatheree, Lecturer with rank of Assistant Professor
Clarence W. Klassen, Assistant Professor
Herbert E. Mc丹尼尔斯, Assistant Professor
Kenneth M. Morse, Lecturer with rank of Assistant Professor
W. Franklin Dove, Research Associate

Radiology
Fay H. Squire, Professor (Rush)
David S. Berlin, Clinical Associate Professor, Emeritus
Richard E. Buenger, Associate Professor
John W. Clark, Associate Professor
Samuel A. Leader, Clinical Associate Professor
Israel E. Kirsh, Associate Professor (DY)
Franklin S. Alcorn, Assistant Professor
Maurice L. Bogdonoff, Assistant Professor
Benjamin D. Braun, Clinical Assistant Professor
Arlene A. Halko, Clinical Assistant Professor
Frank R. Hendrickson, Assistant Professor
Julius Heydemann, Clinical Assistant Professor
George G. Hibbs, Assistant Professor
Billy Jay Hill, Assistant Professor
Jacques Ovadia, Clinical Assistant Professor
Ralph H. Baehr, Instructor
Leonard Berlin, Instructor
Eugene K. Borchart, Instructor
Ernest W. Fordham, Instructor
Frank L. Hussey, Clinical Instructor
Kenneth J. Maier, Instructor
Edward A. McGinnis, Instructor
Charles W. Samet, Instructor
Richard T. Bergeron, Assistant
Anthony Chung-Bin, Assistant
John T. McManus, Assistant
Edward I. Miller, Assistant
Gladys L. Olson, Assistant
Marvin O. Trepton, Assistant
Harold N. Walgren, Assistant

Surgery

Hillier L. Baker, Clinical Professor (Rush), Emeritus
Edwin M. Miller, Clinical Professor (Rush), Emeritus
Oscar E. Nadeau, Clinical Professor, Emeritus
Edward J. Beattie, Jr., Professor
Egbert H. Fell, Clinical Professor (Rush)
Richard K. Gilchrist, Clinical Professor (Rush)
Paul W. Greeley, Clinical Professor
Hilger P. Jenkins, Lecturer with rank of Professor
Hiram T. Langston, Clinical Professor
John H. Olwin, Clinical Professor (Rush)
Francis H. Straus, Clinical Professor (Rush)
Philip Thorek, Clinical Professor
William H. Hazlett, Clinical Associate Professor, Emeritus
Frank J. Jirka, Associate Professor, Emeritus
John D. Koucky, Clinical Associate Professor, Emeritus
Will F. Lyon, Clinical Associate Professor, Emeritus
Rudolph J. E. Odén, Associate Professor, Emeritus
Morris L. Parker, Clinical Associate Professor, Emeritus
Louis W. Schultz, Clinical Associate Professor of Oral Surgery, Emeritus
Carl B. Davis, Jr., Clinical Associate Professor
Willis G. Diffenbaugh, Clinical Associate Professor
Arthur E. Dykes, Clinical Associate Professor (Rush)
William S. Dye, Jr., Clinical Associate Professor
Earl Garside, Clinical Associate Professor
Chester C. Guy, Clinical Associate Professor
Burton C. Kilbourne, Clinical Associate Professor
Stanley E. Lawton, Clinical Associate Professor (Rush)
Foster L. McMillan, Clinical Associate Professor
Clarence Monroe, Clinical Associate Professor (Rush)
Lindon Seed, Clinical Associate Professor
Harry W. Southwick, Clinical Associate Professor
Everett L. Strohl, Clinical Associate Professor
Frank V. Theis, Clinical Associate Professor
Carl O. Almquist, Clinical Assistant Professor
Raymond E. Anderson, Clinical Assistant Professor
Charles D. Branch, Clinical Assistant Professor
C. DAVID BROWN, Clinical Assistant Professor
ROBERT G. CANTHAM, Clinical Assistant Professor
JOSEPH P. CANNON, Clinical Assistant Professor
JAMES H. CROSS, Clinical Assistant Professor
WARD H. EASTMAN, Clinical Assistant Professor
MELVIN I. GIBBEL, Clinical Assistant Professor
WILLIAM J. GILLESBY, Clinical Assistant Professor
RAYMOND GREEN, Clinical Assistant Professor
VERNON L. GUYN, Clinical Assistant Professor
RONALD G. HALEY, Clinical Assistant Professor
RUSSELL C. HANSELMAN, Clinical Assistant Professor
HARRY G. HARDT, JR., Clinical Assistant Professor
WILLIAM H. HARRIDGE, Clinical Assistant Professor
ROBERT A. HESS, Clinical Assistant Professor
VERNON Z. HUTCHINGS, Clinical Assistant Professor
CARL IRENELS, JR., Clinical Assistant Professor
ROBERT W. JAMESON, Clinical Assistant Professor
FRANK R. JOHNSON, Clinical Assistant Professor
GEORGE D. KAISER, Clinical Assistant Professor
FRANCES E. KNOCK, Clinical Assistant Professor
JOHANNES L. KOPPEL, Assistant Professor in Biochemistry
WILLIAM E. LOOBY, Clinical Assistant Professor
KENNETH L. MATSON, Clinical Assistant Professor
HAROLD I. MEYER, Clinical Assistant Professor
FRANK J. MILLOY, JR., Clinical Assistant Professor
GEORGE A. OLANDER, Clinical Assistant Professor
JOHN R. OENDORFF, Clinical Assistant Professor
JOHN H. PREBBLE, Clinical Assistant Professor
THOMAS SELLETT, Clinical Assistant Professor
PHILIP SHAMBAUGH, Clinical Assistant Professor
WILLIAM D. SHOREY, Clinical Assistant Professor
ROBERT F. STOKES, Clinical Assistant Professor
MILAN M. WASICK, Clinical Assistant Professor
MILTON WEINBERG, JR., Clinical Assistant Professor
CARL Y. WEKELUS, Clinical Assistant Professor
LEON J. WITKOWSKI, Clinical Assistant Professor
BURTON R. BANCROFT, JR., Instructor (one year from July 1, 1962)
JOHN H. BANCROFT, Instructor (one year from July 1, 1962)
WALTER L. BARKER, Instructor (one year from July 1, 1962)
EUGENE A. BROCCOLI, Clinical Instructor
DONALD M. BUCKNER, Instructor (one year from July 1, 1962)
JACKSON E. CABLE, JR., Clinical Instructor
JAMES C. CAREY, Instructor (one year from July 1, 1962)
MOHAMMAD A. CHEEMA, Clinical Instructor
NOBLE CORRELL, Clinical Instructor
EDWARD A. DAINKO, Instructor (one year from July 1, 1962)
LAWRENCE A. FAGARASON, Instructor (one year from July 1, 1962)
ERNST M. FEILER, Clinical Instructor
GLENN W. FISCH, Clinical Instructor
JOHN W. FRISCH, Clinical Instructor
ANDRES GABEL, Clinical Instructor (fourteen months from July 1, 1962)
GORDON H. GLASSFORD, Clinical Instructor (fourteen months from July 1, 1962)
LEONARD GRAVIER, Instructor (one year from July 1, 1962)
SAMUEL L. HAMILTON, Clinical Instructor
HOWARD H. HAMLIN, Clinical Instructor
IRWIN HARRIS, Clinical Instructor (fourteen months from July 1, 1962)
JOSEPH F. HINKAMP, Clinical Instructor
LOREN J. HUMPHREY, Instructor (one year from July 1, 1962)
JOHANNES M. L. JENSEN, Clinical Instructor
JOHN M. KENWELL, Instructor (one year from July 1, 1962)
ANDREW KIRSTEINS, Clinical Instructor
CHARLES J. KOUCKY, Clinical Instructor
ARTHUR G. LAWRENCE, Clinical Instructor
WALTER R. LAWRENCE, Instructor (one year from July 1, 1962)*
OSCAR S. LENIT, JR., Clinical Instructor
DAVID R. LEWIS, Clinical Instructor
LEROY LONG, Instructor (one year from July 1, 1962)^
JOSEPH R. MCMANUS, Clinical Instructor
RANDALL E. MCGUINN, Clinical Instructor
CHAPICK N. MANSOUR, Clinical Instructor
JAMES H. MASON, Instructor (one year from July 1, 1962)^
HASSENAJAPI, Clinical Instructor
ROGER A. OTT, Instructor (one year from July 1, 1962)^
ROBERT J. OVERSTREET, Clinical Instructor
GEORGE L. PASTNACK, Clinical Instructor
EUDELL G. PAUL, Clinical Instructor
HEROLD A. PAUL, Clinical Instructor
MARTIN PEPPER, Clinical Instructor
EDGAR R. FICK, Clinical Instructor
MORRIS M. PROFFITT, Clinical Instructor
JOHN G. RAVENHAM, Clinical Instructor
ALFRED RASMUSSEN, Clinical Instructor
OLIVER V. RENAUD, Clinical Instructor
LEO E. ROBERTSON, Instructor (one year from July 1, 1962)^
WENDELL H. SCHMIDTKE, Instructor (one year from July 1, 1962)^
RICHARD C. SCHULTZ, Clinical Instructor
JOHN M. SOMERDINE, Instructor (one year from July 1, 1962)^
RICHARD A. TARIZZO, Clinical Instructor (fourteen months from July 1, 1962)
EDWARD S. TRUPTMAN, Instructor (one year from July 1, 1962)^
ROBERT B. WHITE, Clinical Instructor
MICHAEL F. WITANOWSKI, Clinical Instructor
KARL F. BADER, Jr., Assistant (one year from July 1, 1962)^
ROBERT A. BEATTY, Assistant (one year from July 1, 1962)^
THOMAS O. BRACKETT, Assistant (one year from July 1, 1962)^
J. ANTHONY BROWN, Assistant (one year from July 1, 1962)^
RICHARD G. CALDWELL, Assistant (one year from July 1, 1962)^
ALEXANDER DOOLAS, Assistant (one year from July 1, 1962)^
JAY D. ELLENBY, Assistant (on leave of absence for military service)
ROBERT P. GORDON, Jr., Assistant (one year from July 1, 1962)^
ALLAN L. GRAHAM, Assistant (one year from July 1, 1962)^
JOHN W. HENGESHE, Research Assistant (on leave of absence for military service)
WILLIAM R. JEWEL, Assistant (one year from July 1, 1962)^
OLGA M. JONASSON, Assistant (one year from July 1, 1962)^
JOHN A. KOZAK, Assistant (one year from July 1, 1962)^
HARVEY P. MEHL, Assistant (one year from July 1, 1962)^
FERNE E. LKHIT, Assistant (one year from July 1, 1962)^
LARRY O. McKNELLY, Assistant (one year from July 1, 1962)^
ROGER L. MEHL, Assistant (one year from July 1, 1962)^
JOHN J. MINSTER, Assistant (one year from July 1, 1962)^
PARVIZ PARS, Assistant (one year from July 1, 1962)^
MARVIN M. ROMSDAHL, Assistant (one year from July 1, 1962)^
ETHAN B. RUBEN, Assistant (one year from July 1, 1962)^
JAMES A. SANDROLLINI, Assistant (one year from July 1, 1962)^
JOSEPH D. SCHMIDT, Assistant (one year from July 1, 1962)^
WAYNE N. SWENSON, Assistant (one year from July 1, 1962)^
GERRY R. TUYVOS, Assistant (one year from July 1, 1962)^
KENNETH R. VANDER VENNET, Assistant (one year from July 1, 1962)^
CHARLES H. WILLIAMS, Assistant (one year from July 1, 1962)^

Division of Urology
NORRIS J. HECKEL, Clinical Professor (Rush)
EDWIN C. GRAF, Clinical Associate Professor
THEOPHIL P. GRAUER, Clinical Associate Professor
JAMES W. MERRICKS, Jr., Clinical Associate Professor (Rush)
GEORGE O. BAUMRUCKER, Clinical Assistant Professor
JOHN P. BLANDY, Clinical Assistant Professor
JOSEPH S. DRABANSKI, Clinical Assistant Professor
R. ROSS HAEGER, Clinical Assistant Professor
WILLARD C. MEYER, Clinical Assistant Professor
FRANK B. PAPIERNIAK, Clinical Assistant Professor
COLQUITT O. RITCH, Clinical Assistant Professor
FREDERICK SCHACHT, Clinical Assistant Professor
CARL D. BERRY, Jr., Clinical Instructor
JAMES A. CALAMS, Clinical Instructor
DANIEL H. CALLAHAN, Clinical Instructor
THOMAS L. C. COTTRELL, Clinical Instructor
ENGIN DENIZ, Clinical Instructor
ALFONSO DIAZ, Clinical Instructor
CHARLES F. MCKIEL, JR., Clinical Instructor (fourteen months from July 1, 1962)
JAMES C. VALENTA, Clinical Instructor
CYRIL C. WIGGISHOFF, Clinical Instructor
WILLARD J. SMITH, Assistant (one year from July 1, 1962)

Division of Anesthesiology

ERNST T. MORCH, Clinical Professor
PAUL W. SEARLES, Clinical Professor
MARY M. LYONS, Clinical Associate Professor (Rush), Emerita
JOHN L. SCHMIDT, Clinical Associate Professor (DY)
JOHN E. CAWLEY, Clinical Assistant Professor
MYRON J. LEVIN, Clinical Assistant Professor
HERBERT E. NATOR, Clinical Assistant Professor
JOSEPH E. REMLINGER, Clinical Assistant Professor
DIGBY G. SEYMOUR, Clinical Assistant Professor
ARTHUR T. SHIMA, Clinical Assistant Professor
HERSHEL L. KEELING, Clinical Associate
HOWARD H. BERLIN, Clinical Instructor
GWEN GLEAVE, Clinical Instructor
EILEEN HECKEL, Clinical Instructor
DAVID KATZ, Clinical Instructor
JOHN NELSON, Clinical Instructor
STANKA K. PAPRIKOFF, Clinical Instructor
RAYMOND F. ROSE, Clinical Instructor
LESTER SCHWARTZ, Clinical Instructor
VIVENTE B. SANTELICES, Instructor (one year from July 1, 1962)
MAURICE M. TENNANT, Clinical Instructor
DAN A. VALENTI, Clinical Instructor
RASMA V. VITKUNGS, Clinical Instructor
VERNON E. WALLACE, Clinical Instructor
RONALD F. ALBRECHT, Assistant (one year from July 1, 1962)
THOMAS L. ASHERCRAFT, Clinical Assistant
ELUETERIO CARRERA, Assistant (one year from July 1, 1962)
CARLETON E. DANGREMOND, Clinical Assistant
ALBERTO L. PABRITES, Assistant (one year from July 1, 1962)
MARY E. GRACE, Assistant (one year from July 1, 1962)
FLOYD N. HELLER, Assistant (one year from July 1, 1962)
JAIME ILLEL, Assistant (one year from July 1, 1962)
YAROSLAV KOKORUDEZ, Assistant (one year from July 1, 1962)
HERCIT R. LEON, Assistant (one year from July 1, 1962)
WILLIAM R. MELBY, Clinical Assistant
CHARLES W. PASTIKA, Assistant (one year from July 1, 1962)
MADDALENA F. PASTIKA, Assistant (one year from July 1, 1962)
FRANK RAYMON, Jr., Assistant (one year from July 1, 1962)
PABLO M. RIVERA, Assistant (one year from July 1, 1962)
MANUEL V. RODRIGUEZ, Assistant (one year from July 1, 1962)
LOUIS ROE, Assistant (one year from July 1, 1962)
EARL A. SABIN, Assistant (one year from July 1, 1962)
ASTRIDA I. SILINS, Clinical Assistant (fourteen months from July 1, 1962)
THOURAYA A. SOKKAR, Assistant (one year from July 1, 1962)
EDWARD T. TOYOKA, Assistant (one year from July 1, 1962)
REAPPROPRIATION OF UNEXPENDED BALANCES
AS OF JUNE 30, 1962

(4) The Vice-President and Comptroller recommends that the following balances
and overdrafts in budget appropriations and appropriations for special projects not
completed on June 30, 1962, be carried forward for the fiscal year beginning July
1, 1962, in accordance with usual policy.

I concur.

_Urbana-Champaign_

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<tr>
<th>Department</th>
<th>Balance As of June 30, 1962</th>
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<td>Institute of Aviation, electronic technology</td>
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Unexpended plant

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<td>David Kinley Hall, remodeling</td>
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1 Deduct.
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<tr>
<td>Project Description</td>
<td>Cost</td>
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<tr>
<td>Huff Gymnasium, remodeling</td>
<td>$1,605</td>
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<tr>
<td>Dixon Springs, laboratory repair and replacement</td>
<td>$2,864</td>
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<tr>
<td>Quonset Building, remodeling</td>
<td>$18,906</td>
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<tr>
<td>Electrical Engineering, special equipment</td>
<td>$10,612</td>
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<tr>
<td>505 South Goodwin Avenue, remodeling</td>
<td>$1,300</td>
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<tr>
<td>1207 West Oregon Street, renovation</td>
<td>$6,102</td>
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<tr>
<td>Architecture, special equipment</td>
<td>$1,693</td>
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<tr>
<td>Graduate College, flexo-writer</td>
<td>$1,395</td>
</tr>
<tr>
<td>1208 West California Avenue, retaining wall</td>
<td>$1,594</td>
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<tr>
<td>Bicycle parking areas</td>
<td>$5,549</td>
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<tr>
<td>Bicycle lanes</td>
<td>$2,403</td>
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<tr>
<td>Stadium Drive, recreational area</td>
<td>$12,079</td>
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<tr>
<td>Storm sewer improvements</td>
<td>$2,500</td>
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<tr>
<td>Visual Aids, special equipment</td>
<td>$11,914</td>
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<td>Library, special equipment</td>
<td>$1,145</td>
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<tr>
<td>Architectural studies for future buildings</td>
<td>$43,119</td>
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<tr>
<td>Electrical Engineering, bioacoustics laboratory</td>
<td>$1,398</td>
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<tr>
<td>Lighting in classrooms, improving</td>
<td>$1,825</td>
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<tr>
<td>Minor improvements</td>
<td>$2,620</td>
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<tr>
<td>Nursery relocation</td>
<td>$1,077</td>
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<tr>
<td>Parking facilities</td>
<td>$2,252</td>
</tr>
<tr>
<td>Remodeling and minor additions unassigned</td>
<td>$17,571</td>
</tr>
<tr>
<td>Nineteen items ranging from $69 to $895</td>
<td>$7,790</td>
</tr>
<tr>
<td><strong>Total, Urbana-Champaign</strong></td>
<td>$10,038,971</td>
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<tr>
<td><strong>Medical Center, Chicago</strong></td>
<td></td>
</tr>
<tr>
<td>General administration and expense</td>
<td>$2,282</td>
</tr>
<tr>
<td>Estimates and alterations</td>
<td>$5,633</td>
</tr>
<tr>
<td>Reserve for nonrecurring items</td>
<td>$2,749</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$10,664</td>
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<tr>
<td>Medicine</td>
<td></td>
</tr>
<tr>
<td>Dentistry</td>
<td>$2,741</td>
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<tr>
<td>Pharmacy</td>
<td>$3,250</td>
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<tr>
<td>Graduate College</td>
<td>$476</td>
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<tr>
<td>Nursing</td>
<td>$23,609</td>
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<tr>
<td>Physical Education for Men</td>
<td>$387</td>
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<td>Aeromedical Laboratory</td>
<td>$2,550</td>
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<td>Division of Services for Crippled Children</td>
<td>$1,235</td>
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<tr>
<td>Research and Educational Hospitals</td>
<td>$92,778</td>
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<tr>
<td>Library</td>
<td>$103,286</td>
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<tr>
<td><strong>Physical Plant</strong></td>
<td></td>
</tr>
<tr>
<td>Regular operation and maintenance</td>
<td>$61,876</td>
</tr>
<tr>
<td>Renewals and replacements</td>
<td>$57,051</td>
</tr>
<tr>
<td>Medical Center Steam Plant</td>
<td>$66,788</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$185,715</td>
</tr>
<tr>
<td>Unexpended Plant</td>
<td></td>
</tr>
<tr>
<td>Multilith machine</td>
<td>$2,300</td>
</tr>
<tr>
<td>Stacker numbering device and folder</td>
<td>$1,895</td>
</tr>
<tr>
<td>Ophthalmology, equipment</td>
<td>$3,133</td>
</tr>
<tr>
<td>Orthopaedics Center, rehabilitating</td>
<td>$3,896</td>
</tr>
<tr>
<td>Television equipment</td>
<td>$9,221</td>
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<tr>
<td>Pedodontics, equipment</td>
<td>$21,442</td>
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<tr>
<td>Manufacturing Pharmacy area, remodeling</td>
<td>$3,350</td>
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<tr>
<td>Research and Educational Hospitals, equipment</td>
<td>$30,686</td>
</tr>
<tr>
<td>Radiology, equipment</td>
<td>$3,153</td>
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<tr>
<td>X-ray film processing unit</td>
<td>$1,519</td>
</tr>
<tr>
<td>Beckman spectrophotometer</td>
<td>$1,800</td>
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<tr>
<td>Fluoroscopic units, replacement</td>
<td>$35,000</td>
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<td>Intercom system, replacement</td>
<td>$2,438</td>
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<tr>
<td>Surgical instruments</td>
<td>$2,155</td>
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<tr>
<td>Oximeter</td>
<td>$2,000</td>
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<tr>
<td>Research and Educational Clinics, furniture and equipment</td>
<td>$19,500</td>
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<tr>
<td>Nursing, furniture and equipment</td>
<td>$18,500</td>
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<td>Heart lung machine</td>
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<tr>
<td>Vacamatic sterilizer, purchase and installation</td>
<td>$18,000</td>
</tr>
</tbody>
</table>

1 Deduct.
Automalyzer, attachment ........................................... 1 650
Architectural studies for future buildings .................... 7 599
Physiology, fume hoods ............................................ 17 018
Telephone centre, installation .................................... 14 000
Forty-six items ranging from $37 to $921 ........................ 20 082 257 499
Total, Medical Center, Chicago ................................... (505 232)

Chicago Undergraduate Division
General administration and expense .............................. 1 4661
Art gallery .......................................................... 2311
Auditorium expense ................................................. 1 038
Demographic statistical study ...................................... 571
Radiosotope Laboratory ............................................. 1 025
Business Office, equipment inventory ............................ 35 1 810 344
Liberal Arts and Sciences ........................................... 741
Engineering .......................................................... 2 888
Graduate College ................................................... 1 248
Commerce and Business Administration ......................... 73
Physical Education ................................................... 1381
Armed Forces ......................................................... 525
Library .................................................................. 2861
Physical Plant
Regular operation and maintenance .............................. 25 599
Building rentals and insurance ..................................... 5 587
Renewals and replacements .......................................... 1 693 32 879
Unexpended plant
Honors Program Office, remodeling and equipment .......... 3 702
Public Information Office, remodeling ......................... 5 300
Biological Sciences, equipment ..................................... 1 562
Humanities, laboratory equipment ................................. 20 364
Engineering Administration, remodeling and equipment ...... 6 950
Engineering Laboratory, equipment ............................... 32 500
Physics, equipment ................................................... 10 000
University Facilities, remodeling and equipment ............. 15 9151
Snack Bar, lighting .................................................. 1 217
Three items ranging from $91 to $980 ............................ 1 245 66 925
Total, Chicago Undergraduate Division ........................ (104 384)
Grand Total .......................................................... $2 618 558

On motion of Mr. Johnston, these reappropriations were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Governor Kerner.

EASEMENT TO ILLINOIS BELL TELEPHONE COMPANY
(5) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Illinois Bell Telephone Company be granted permission to install a buried cable through University parking lots in the 800 block on South Sixth Street, Champaign, provided that the Company reimburses the University for its direct expenses in granting the easement and restores the property to its present condition. This cable will serve business establishments on Daniel Street just east of Sixth Street.

I concur and recommend the adoption of the following resolution.

Resolution

Be It, and It Hereby Is Resolved by this Board of Trustees of the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to

1 Deduct.
grant to Illinois Bell Telephone Company, an Illinois Corporation, hereinafter referred to as "Grantee," its successors and assigns, the right and easement to lay, operate, and maintain a communications cable for the transmission of telephonic signals under and through the land hereinafter described and the right of ingress to and egress therefrom. Grantee shall agree to repair any damage to property of this Corporation by the laying, construction, reconstruction, operation maintenance, renewal, or removal of said cable, and Grantee shall further agree to relocate said cable at its expense if and when said cable would interfere with any construction undertaken by this Corporation during the term of the right-of-way easement to be hereunder granted. The right-of-way easement shall terminate ninety (90) days after Grantee ceases to use said transmission line for rendition of service. The right-of-way easement shall be over the following-described property:

Situated in the State of Illinois, the County of Champaign, the City of Champaign and in parts of Block 13 of J. S. Wright's Addition to the City of Champaign; and being more fully bounded and described as follows:

1. Being the East 6.0 feet of the South 5.0 feet of the NW 1/4 of said Block 13;
2. A strip of land 6.0 feet in width, the centerline of which is described as follows:

Beginning at a point 171.25 feet distant East of and 169.33 feet distant South of the NW corner of said Block 13, said corner being also the SE corner of John and Sixth Streets in the City of Champaign; thence southerly along a line parallel to the East line of Sixth Street, a distance of 84.67 feet; all of the foregoing described strip being in the N 4'2" of the SW 1/4 of said Block 13.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner. Mr. Hughes asked to be recorded as not voting.

CONTRACT FOR REROUTING ILLINOIS BELL TELEPHONE CABLE AT CONGRESS CIRCLE CAMPUS

(6) The campus plan for Congress Circle anticipates the construction of buildings at the intersection of Blue Island Avenue and Polk Street, which will be vacated. Any construction over utilities to be retained must provide for continuation of these services even during the period of construction. The Illinois Bell Telephone Company proposed that the existing cable be rerouted along Roosevelt and Halsted Streets and that the University pay the Company the amount budgeted by the University for the protection of this service during construction. Under this proposal, the Illinois Bell Telephone Company will perform the work and the University will not be obligated for payment until thirty days after the University receives conveyance of substantially all the land in this area from the Chicago Land Clearance Commission.

Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of this contract subject to the release of funds.

I concur.

On motion of Mr. Johnston, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner. Mr. Hughes asked to be recorded as not voting.

CLOSED CIRCUIT TELEVISION DISTRIBUTION SYSTEM AT CONGRESS CIRCLE CAMPUS

(7) The Board of Trustees has authorized agreements with the Illinois Bell Telephone Company for the rental of cable and related facilities for a television distribution system on the Urbana-Champaign campus.

A similar program is planned for the Congress Circle campus. Its television programs will originate from the Library building, or will be programs taken off
the air at the Library, and during the first phase of the University’s operations at Congress Circle will be distributed to one of the classroom buildings, to the Lecture Center, and to the Union Building.

Comparative cost studies on rental versus construction by the University of the distribution facilities indicate that for several years it will be more economical to rent the facilities. Rental will provide flexibility for future program changes and changes in technology, an arrangement which may be contracted for a one-year, renewable basis.

The total annual rental charge for three distribution channels between these buildings is $6,252.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of the necessary agreements at the appropriate time with the Illinois Bell Telephone Company for closed circuit television facilities.

Funds for the rental payments will be provided in future operating budgets.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner. Mr. Hughes asked to be recorded as not voting.

**CONTRACTS FOR AIR CONDITIONING IN SECOND UNIT OF DENTISTRY-MEDICINE-PHARMACY BUILDING**

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for air conditioning the first floor, second unit, of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

- **Heating, Refrigeration, and Temperature Controls** — Dearborn Plumbing and Heating Service, Inc., Chicago................................. $18,075
  Base bid ....................................................... $18,075
  Additive alternates
  Service charge for supervision of other contracts assigned to this contractor ......................................................... 00
  480 volt vs. 208 volt.............................................. 00
- **Ventilating** — T. F. Hanley Corporation, Chicago................................. 37,506
  Base bid ....................................................... $37,482
  Additive alternate for 480 volt vs. 208 volt........................... 24
- **Plumbing** — Dearborn Plumbing and Heating Service, Inc., Chicago........... 810
- **Electrical** — Henry Newgard and Company, Chicago......................... 1,650
  Base bid ....................................................... $2,290
  Deductive alternate for 480 volt vs. 208 volt ......................... — 640
- **General** — Mutual Contracting Company, Chicago.......................... 12,991
  Total ............................................................. $71,032

The work will consist of furnishing and installing equipment and supply systems to air condition the administrative offices of the Colleges of Dentistry and Nursing and the Office of Nonacademic Personnel and is a part of the 1961-63 building program at the Medical Center.

It is further recommended that all contracts other than the contract for heating, refrigeration, and temperature controls be assigned to the contractor for that work, making the total of his contract price $71,032; and that an agreement be entered into with Dearborn Plumbing and Heating Service, Inc. for the assignment of these other contracts for supervision.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of the bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.
CONTRACT FOR REMODELING IN DENTISTRY-MEDICINE-PHARMACY BUILDING

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $9,175 to the Mutual Contracting Company, Chicago, the lowest bidder, for remodeling of administration space housing the Office of Admissions and Records in the first unit of the Dentistry-Medicine-Pharmacy Building.

The work will consist of rearranging partitions and improving of lighting to gain more usable space and increase the efficiency of use of this suite of offices.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur.

On motion of Mr. Hughes, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACTS FOR REMODELING AND INSTALLATION OF FUME HOODS IN DENTISTRY-MEDICINE-PHARMACY BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for the installation of fume hoods and the required remodeling for the Departments of Biochemistry and Physiology, in the Dentistry-Medicine-Pharmacy Building first unit, the award in each case being to the lowest bidder:

General — Mutual Contracting Company, Chicago

- Base bid ........................................... $14,909
- Additive alternate for service charge for supervision of other contracts assigned to this contractor........ 1,831

Plumbing — H. P. Reger and Company, Chicago

- 3,420

Steam Fitting and Process Piping — Peter H. Smith Company

- 2,967

Ventilating — T. F. Hanley Corporation, Chicago

- 32,990

Pipe Covering and Insulation — Culberg Asbestos and Cork Company, Chicago

- 850

Electrical — Cole Electric Company, Inc., Chicago

- 2,196

Laboratory Equipment — Kewaunee Manufacturing Company, Evanston

- 10,995

Total ................................................................ 70,158

The work will include furnishing and installation of fume hoods throughout the laboratories of two of the departments in the College of Medicine, namely, Biochemistry and Physiology, as a part of the 1961-63 building program at the Medical Center.

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price $70,158.

It is further recommended that an agreement be entered into with the Mutual Contracting Company for the assignment of these other contracts for $1,831.00 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in a grant of $25,750 from the National Institutes of Health (USPH RC-1062, Biochemistry-Physiology Fume Hoods) and in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

A schedule of the bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.
CONTRACTS FOR ALTERATIONS IN THE RESEARCH AND EDUCATIONAL HOSPITALS ADDITION

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for alterations on the eighth floor of the Research and Educational Hospitals Addition, the award in each case being to the lowest bidder:

<table>
<thead>
<tr>
<th>Description</th>
<th>Contractor</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>Consumers Construction Company, Chicago</td>
<td>$75,900</td>
</tr>
<tr>
<td>Base bid</td>
<td></td>
<td>$74,400</td>
</tr>
<tr>
<td>Additive alternate</td>
<td></td>
<td>$1,500</td>
</tr>
<tr>
<td>Plumbing</td>
<td>O'Callaghan Brothers, Inc., Chicago</td>
<td>$16,450</td>
</tr>
<tr>
<td>Heating</td>
<td>T. F. Hanley Corporation, Chicago</td>
<td>$39,149</td>
</tr>
<tr>
<td>Ventilating</td>
<td>Byness, Inc., Chicago</td>
<td>$14,910</td>
</tr>
<tr>
<td>Electrical</td>
<td>Wadeford Electric Company, Chicago</td>
<td>$21,686</td>
</tr>
<tr>
<td>Laboratory Furniture</td>
<td>Browne-Morse Company, Chicago</td>
<td>$21,281</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$189,376</td>
</tr>
</tbody>
</table>

The work will consist of extensive remodeling of the eighth floor of the Hospitals Addition for a clinical research center to be operated by the Department of Medicine with funds supplied by the U.S. Public Health Service.

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price $189,376.

It is further recommended that an agreement be entered into with Consumers Construction Company for the assignment of these other contracts for $1,500 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds for this work are available from U.S. Public Health Service Grant OG-21.

Submitted herewith is a schedule of the bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACT FOR MAINTENANCE WORK ON RESEARCH AND EDUCATIONAL HOSPITALS

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $3,162 to E. H. Chicoine Contractors, Inc., Chicago, the lowest bidder, for maintenance work on drip joints and lintels on the Research and Educational Hospitals buildings.

The work will consist of grinding the mortar out of drip joints at the head of all windows and the painting of exposed portions of steel lintels. The repairs are necessary due to the rust build-up on the lintels which is causing spalling of the stonework.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Williamson, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACT FOR CAULKING WORK ON STAFF APARTMENT BUILDING AT THE MEDICAL CENTER

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $7,965 to the Structural Waterproofing Corporation, Barrington, Illinois, the lowest bidder, for the caulkling of all exterior
windows, doors, and louvers on all elevations of the Staff Apartment Building at 809 South Marshfield Avenue, Chicago.

This work is necessary to prevent deterioration of brickwork and interior plaster from moisture where the original caulking has loosened, cracked, or fallen out and to give protection to metal shelf angles where exposed to the weather.

Funds are available in the income from Staff Apartment operations.

I concur.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR TUCKPOINTING ON ILLINOIS NEUROPSYCHIATRIC INSTITUTE BUILDING**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $5,600 to Herman E. Iverson Tuckpointing, Chicago, the lowest bidder, for the tuckpointing of the Illinois Neuropsychiatric Institute building.

The work will consist of tuckpointing the major portion of this building where the mortar is loose, cracked, or otherwise defective. These repairs are regular maintenance, necessary to prevent deterioration of the building structure.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**AGREEMENT WITH COMMONWEALTH EDISON COMPANY FOR ELECTRICAL SERVICES**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an agreement with Commonwealth Edison Company, Chicago, to include the Laundry Building and the Chicago Board of Education Warehouse, which is being leased by the University for use as a Physical Plant service building, in the combined billing for electrical service in the Medical Center. The cost of this would be $4,286, and funds are available in the Physical Plant Department budget and Laundry Revolving Fund.

The combined billing will allow an estimated annual savings of $3,158 in electrical services for these two buildings.

The basic plan for a "Multiple Service and Combined Billing" was authorized by the Board of Trustees on July 25, 1950. Until recently the University could not get combined billing for these two buildings because they are on land which was not contiguous to property on which the original point of entry of Commonwealth Edison service is located. Recently, the Medical Center Commission conveyed to the University several parcels of land which qualifies the two buildings for combined billing.

I concur.

On motion of Mr. Johnston, this agreement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACTS FOR REMODELING SECOND FLOOR OF 704 SOUTH SIXTH STREET, CHAMPAIGN**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for remodeling of the second floor of the leased quarters at 704 South Sixth Street, Champaign, formerly used by the Institute of Labor and Industrial Relations, for the relocation of the Physical Plant Department, Architectural Division, Superintendent's Section, and for the Visual Aids Section of the Division of University Extension, to the following contractors with
whom the University has standing, cost-plus contracts for the fiscal year 1962-63 for such work:

<table>
<thead>
<tr>
<th>Company</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. A. Petry and Sons, Inc., Champaign</td>
<td>$16 750 00</td>
</tr>
<tr>
<td>Potter Electric Service, Inc., Urbana</td>
<td>9 018 00</td>
</tr>
<tr>
<td>David W. Reichard, Urbana</td>
<td>2 900 00</td>
</tr>
<tr>
<td>Reliable Plumbing and Heating Company, Champaign</td>
<td>1 568 26</td>
</tr>
<tr>
<td>Thomas Plumbing and Heating Company, Urbana</td>
<td>1 700 00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$31 936 26</strong></td>
</tr>
</tbody>
</table>

An assignment of funds from the University's General Reserve (nonrecurring) is also recommended.

I concur.

On motion of Mr. Hughes, these contracts were authorized, as recommended, and the funds for this purpose were assigned from the University's General Reserve; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACTS FOR ADDITION TO ABBOTT POWER PLANT**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for furnishing and installation of electrical equipment (Division "9-J") and for furnishing and applying thermal insulation (Division "9-K") in the addition to the Abbott Power Plant (Boiler No. 7) now under construction, the award in each case being to the lowest bidder:

- **Furnishing and Installation of Electrical Equipment**
  - Square Deal Electrical Contracting, Inc., Urbana. $61 924
  - Sprinkmann Sons Corporation of Illinois, Peoria. 21 492

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a summary of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR CAMPUS TREE PLANTING PROGRAM, SECOND PHASE**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $15,030 to Irving L. Peterson, Champaign, the lowest bidder, for the second phase of the campus tree-planting program in accordance with the plan approved by the Board of Trustees on January 11, 1962, for replacement of trees lost due to diseases.

This contract is for planting trees as specified in the following areas: First Street from Stadium Drive to St. Mary's Road, and Fourth Street from Peabody Drive to St. Mary's Road.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur.

On motion of Mr. Wilkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.
CONTRACT FOR WATER SUPPLY SYSTEM ON THE PELL FARM
(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $11,834 to Leonard C. Lust, Hammond, Illinois, the lowest bidder, for installation of a water supply system on the Pell Farm for the Department of Horticulture.

The cost will be paid from the proceeds of the revenue bonds issued for the Orchard Downs housing since land formerly assigned to the Department of Horticulture was taken over for the housing project.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACT FOR PLASTERING, PLASTER PATCHING AND REPAIRING, AND ACOUSTICAL WORK
(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a cost-plus contract to Harry F. Fisher, Urbana, Illinois, the lowest bidder, for plastering, plaster patching and repairing, and acoustical work during the fiscal year ending June 30, 1963, on the basis of a contractor's fee of 14 per cent of all actual job costs, as determined by itemized billing.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

ADDITION TO CONTRACT FOR REMODELING THE PROPERTY AT 1112-1114 WEST MAIN STREET, URBANA
(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $3,500 in the contract with Shapland Construction Company for additional remodeling in the property to be used for television studios and offices at 1112-1114 West Main Street, Urbana.

The contract was based on the minimum remodeling required to provide adequate quarters. The recommended addition is to replace the existing ceiling with acoustical material and related improvements in the roof structure in the west section.

It is further recommended that an assignment of $3,500 be made from the General Reserve (nonrecurring) for this additional remodeling.

I concur.

On motion of Mrs. Watkins, this increase in the contract was authorized, and an assignment of $3,500 was made, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

ADDITION TO CONTRACT FOR CONSTRUCTION OF THE ASSEMBLY HALL
(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $6,500 in the contract with Felmley-Dickerson Company for construction of the Assembly Hall for installation of a removable acoustical shell for the overhead grid system.

Funds are available from the proceeds of the sale of revenue bonds to finance the construction of the Assembly Hall.

I concur.

On motion of Mr. Swain, this change in contract was authorized.
EMPLOYMENT OF ENGINEERS FOR PARKING FACILITIES
(23) Construction of the Illinois Street Residence Halls will remove approximately 310 temporary parking spaces, primarily used by occupants of the Graduate Student Residence Halls and Student-Staff Apartments on Green Street and Goodwin Avenue, Urbana. The lots are also available to other members of the staff and to University visitors.

To replace this parking (currently used to near capacity), a program has been developed to improve various University properties in the vicinity, converting the land areas into temporary parking lots similar to those being discontinued.

Due to the present load of work in the University Architect's Office, it was recommended that the firm of Clark, Daily, Dietz, and Associates, Urbana, be employed to prepare topographic surveys and maps of the properties, grading plans, and plans and specifications for demolition of present improvements and construction of parking spaces. Emergency action authorizing these engineering services was requested to secure plans for construction work so that some 250 parking spaces will be available shortly after the use of the present lots is discontinued.

The Director of the Physical Plant and the Vice-President and Comptroller request confirmation of the employment of Clark, Daily, Dietz, and Associates, Urbana, for these services on the basis of actual payroll costs plus 100 per cent for overhead and commission, and reimbursement for out-of-pocket expenses incurred by the firm. Payroll costs are defined to include all payments made to or on behalf of employees directly engaged in the work, including social security, workmen's compensation, unemployment taxes, and employee insurance. The cost to the University will not exceed $3,500.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Johnston, this action was confirmed.

EMPLOYMENT OF ARCHITECT FOR DIXON SPRINGS SUPERINTENDENT'S HOUSE
(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of Thomas A. Graman, Architect and Engineer, Metropolis, Illinois, for architectural services, including the preparation of plans and specifications and supervision of construction, for a new house for the Superintendent of the Dixon Springs Experiment Station at a fee of 6½ per cent of construction costs.

I concur.

Mr. Hughes moved approval of the recommendation.

Mr. Pogue questioned the necessity of employing an architect, suggesting that plans for this type of house can be secured from lumber dealers at a nominal cost, or that the Physical Plant Department could design the house. Director Havens stated that the services of an architect would include supervision of construction and that assigning a staff member from the Physical Plant Department for such supervision might involve greater cost than to have the supervision performed by an architect and engineer in the Dixon Springs area.

Mr. Johnston moved that the Physical Plant Department be authorized to employ the architect and engineer recommended, or to develop the design and plans itself and provide the supervision of construction by a member of its staff, or to use stock plans available from lumber dealers—whichever method is found to be the most feasible and economical and permits taking of competitive bids as required by law.

This substitute motion was accepted by Mr. Hughes and was adopted without dissent.
EMPLOYMENT OF ENGINEERS FOR CONCRETE TESTING SERVICES AT CONGRESS CIRCLE

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of the employment of Walter H. Flood and Company, Chicago, for concrete design, testing, and inspection work for all fifteen buildings included in the first phase of construction of the Congress Circle Campus.

This work is fundamental in obtaining a unified architectural effect, since thirteen of these building will have exposed concrete structural frames with varying finishes.

A firm quotation on the total cost of the work is not feasible since the exact number of tests, visits, and so forth can not be determined in advance. However, proposals were received from four firms which have had extensive experience in the concrete testing field, particularly in the execution of large and complicated projects. Based on the unit prices quoted and the architects' estimate of the number of units in each category, the proposal of Walter H. Flood and Company will result in the lowest cost, based on the following unit charges:

<table>
<thead>
<tr>
<th>Service</th>
<th>Unit Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Cylinders</td>
<td>$3.20 per test</td>
</tr>
<tr>
<td>Batch Plant Inspection</td>
<td>$12.00 per visit</td>
</tr>
<tr>
<td>Cement Tests</td>
<td>$25.00 per test</td>
</tr>
<tr>
<td>Aggregate Tests</td>
<td>$40.00 per test</td>
</tr>
<tr>
<td>Radiographic Tests</td>
<td>$10.00 per test</td>
</tr>
<tr>
<td>Welding Inspection</td>
<td>$6.00 per test</td>
</tr>
<tr>
<td>Design Mix</td>
<td>$25.00 per design</td>
</tr>
<tr>
<td>Rebar Test</td>
<td>$3.00 per test</td>
</tr>
<tr>
<td>Engineering Service</td>
<td>$10.00 per hour</td>
</tr>
</tbody>
</table>

It is anticipated that the total cost of the work for all buildings will be approximately $59,200.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

Submitted herewith is a supporting memorandum from the Physical Plant Department on this service, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, authority was given as requested by voice vote. Mr. Dilliard was recorded as not voting.

CONTRACT FOR CAMPUS DEVELOPMENT CONSULTING SERVICES

(26) The present contract with the firm of Sasaki, Walker, and Associates, Watertown, Massachusetts, for consulting services in the area of long-range campus and landscape development expired June 30, 1962. The Director of the Physical Plant and the Vice-President and Comptroller recommend renewal of the employment of this firm for consulting services until June 30, 1963 to:

Review landscape and site design work on specific projects included in the University's building program for which funds are available in various project budgets. Estimated cost: ........................................ $9,000

Advise and make recommendations on long-range campus planting plans and general campus, landscape, and grounds improvements for which funds are available in the Service-Campus Planning and Development account in the Physical Plant budget. Estimated cost: ......................... 2,000

I concur.

On motion of Mr. Williamson, this recommendation was approved.

ADDITION TO CONTRACT FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR ORCHARD DOWNS ADDITION

(27) The Board of Trustees authorized the employment of Lundeen and Hilfinger, Bloomington, as architects for the Orchard Downs Addition. The fee for the site work is 5½ per cent of the construction costs. On the first Orchard Downs construction, the engineering work on design and layout of streets, sewers, and utilities was done for the architects by a firm of consulting engineers at the basic minimum fee schedule of the Illinois Society of Professional Engineers, and the University paid the additional costs. This arrangement was intended in the contract for the
addition to Orchard Downs, but through oversight was not included in the terms recommended to the Board.

The Director of the Physical Plant and the Vice-President and Comptroller recommend a change in the contract to provide for the basic minimum fee payments for that part of the site work done by the consulting engineers. Based upon bids which have been received, the additional cost is $3,474.25. Funds are available in the proceeds of the revenue bond issue to finance construction of the Orchard Downs housing project.

I concur.

On motion of Mrs. Watkins, this change in contract was authorized.

PAYMENT FOR ARCHITECTURAL SERVICES

The Board of Trustees on September 21, 1960, authorized the employment of Richardson, Severns, Scheeler, and Associates, Champaign, and L. Lattin Smith and Associates (formerly Mielke and Smith), Chicago, for architectural services on the third phase of the residence halls for graduate students, at a fee not to exceed 6 per cent of the construction contracts, less previous payments to Richardson, Severns, Scheeler, and Associates for preliminary work.

When this employment was authorized, the building for the third phase of the residence halls for graduate students was to be constructed at the southwest corner of Sixth and Chalmers Streets, Champaign; subsequently approval was given to changing to the site at the northwest corner of Fifth and Chalmers Streets. Prior to this site change, Richardson, Severns, Scheeler, and Associates had made preliminary studies and designs for the original location at a total cost of $3,953.

The studies and design work for the original site will ultimately be used when construction proceeds on that site and the contract with the architects will be adjusted to allow credit for such work. In the meantime, payments made for this work should not be deducted from the fee paid the firm for the project to be located on the Fifth Street site, and it is requested that payment to the architects be on the basis of the rates authorized by the Board without deduction for the payments made for work on the site at Sixth and Chalmers Streets.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of this change in the contract.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

PURCHASES

Purchases Authorized

The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilizer as follows:</td>
<td>Agricultural Economics</td>
<td>Tennessee Valley Authority, Wilson Dam, Ala.</td>
<td>f.o.b. Sheffield, Ala.</td>
</tr>
<tr>
<td>21.075 tons diammonium phosphate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.75 tons granular high analysis phosphate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23.525 tons ammonium phosphate nitrate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To be used for ten Allerton Trust Farms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Plant fluorescent light fixtures with polystyrene louvers as follows:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74-8 feet long for 40 watt lamps, 28-4 feet long for two 40 watt lamps for remodeling of Davenport House to provide space for relocation of Public Information Office, Legislative Relations Office, and Russian Area Studies Staff Office</td>
<td>Danville Electric Supply Co., Danville</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

On motion of Mr. Swain, these purchases were approved.
Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

**Chicago Colleges and Divisions**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One preparative ultracentrifuge to be used for immunobiological work</td>
<td>Anatomy</td>
<td>Beckman Instruments, Inc., Lincolnwood</td>
<td>$6,325.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies consisting of one mechanically refrigerated freeze-mobile, one shell freezer, and 1,920 pints of laboratory solvents</td>
<td>Biochemistry</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$3,665.00 delivered</td>
</tr>
<tr>
<td>One amino acid analyzer with accessories for determining glucose and blood uria nitrogen</td>
<td>Clinical Research Center</td>
<td>Technicon Chromatography Corp., Chauncey, N.Y.</td>
<td>$9,900.50 delivered</td>
</tr>
<tr>
<td>One photographic camera with accessories consisting of one trinocular tube, one set of paired eyepieces, and one spare film chamber</td>
<td>Oral Pathology</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$3,380.00 delivered and installed</td>
</tr>
<tr>
<td>Radioisotopes for use as required by the Isotope Laboratory during the period from October 1, 1962, through June 30, 1963; these isotopes are used in diagnostic procedures and therapy in the Research and Educational Hospitals</td>
<td>Radiology</td>
<td>E. R. Squibb &amp; Sons, Franklin Park</td>
<td>$4,160.47 delivered</td>
</tr>
<tr>
<td>One snow blower and loader</td>
<td>Physical Plant</td>
<td>Prairie State Equipment Co., Thornton</td>
<td>$3,448.30 delivered</td>
</tr>
<tr>
<td>One lot of white goods consisting of: 200 dozen type 140 bleached muslin sheets, 72 in. by 108 in. 200 dozen type 140 bleached muslin pillow cases, 45 in. by 36 in.</td>
<td>Physical Plant (Laundry Supply)</td>
<td>Karoll's, Inc., Chicago</td>
<td>$5,174.00 delivered</td>
</tr>
<tr>
<td>One lot of hospital linens consisting of: 30 dozen standard covers 20 dozen laparotomy sheets 6 dozen mastoid sheets 32 dozen patient lifters 5 dozen X-Ray covers 25 dozen mayo stand covers 190 dozen wrappers</td>
<td>Physical Plant (Laundry Supply)</td>
<td>Mills Hospital Supply Co., Chicago</td>
<td>$7,098.00 delivered</td>
</tr>
</tbody>
</table>

**Urbana-Champaign Departments**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,050 diploma covers for the period of October 1, 1962, through June 30, 1963 (600 for the Medical Center and 5,350 for the Urbana campus) Fifty-two dictating machines, magnetic tape, fully transistorized, complete with dictating and transcribing accessories; 100 tape magazines, 45 minute. Less trade-in value of four dictating machines, cylinder type; three transcribing machines, cylinder type; one dictating cylinder shaver. To be used by County Farm and Home Advisers in various county offices</td>
<td>Admissions and Records</td>
<td>Star Engraving Co., Houston, Texas</td>
<td>$5,687.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Agriculture Extension</td>
<td>Thomas A. Edison Industries, Voice-writer Division, Peoria</td>
<td></td>
<td>$10,229.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Thirty-three tape recorders, portable, with carrying case. 50-12000 cps at 7½ ips, 50-9000 cps at 3½ ips, flutter and wow under 0.20 per cent at 7½ ips to be used by County Farm and Home Advisers</td>
<td>Agriculture Extension</td>
<td>Oravisual Co., Inc., St. Petersburg, Fla.</td>
<td>$5,427.20 f.o.b. delivered</td>
</tr>
<tr>
<td>Agriculture Mailing Room</td>
<td>Addressograph-Multigraph Corp., Peoria</td>
<td></td>
<td>$6,211.30 f.o.b. delivered</td>
</tr>
<tr>
<td>Agriculture</td>
<td>Radio Doctors, Champaign</td>
<td></td>
<td>$3,102.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------</td>
<td>-------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Thirteen film transfers of one-half hour plus one minute spot, 16 mm. negative, double system sound with one print from video tape</td>
<td>Agriculture Administration</td>
<td>WTTW Video Tape and Film Division, Station WTTW-TV, Chicago</td>
<td>$ 3 250 00 f.o.b. Chicago</td>
</tr>
<tr>
<td>Professional services for the period of October 1, 1962, through June 30, 1963, for development and production of weekly University of Illinois Market Buy program conducted in the Chicago area by the Cooperative Extension Service in Agriculture and Home Economics; services consist of preparation of news copy and mats, mimeographing, mailing service, and clipping service</td>
<td>Cooperative Extension Service in Agriculture and Home Economics</td>
<td>Bixby, Marvin, &amp; Udell, Inc., Chicago</td>
<td>10 800 00</td>
</tr>
<tr>
<td>Print and bind 20,000 copies Illinois Farm Record Book, Part I, approximately 48 pages each, plus cover, trim size 8½ in. by 10½ in. (Group I)</td>
<td>Agricultural Economics</td>
<td>George Banta Co., Chicago (Group I)</td>
<td>3 206 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 5,000 copies Illinois Farm Record Book, Part II, approximately 28 pages each, plus cover, trim size 8½ in. by 10½ in. (Group II)</td>
<td>Printing Service</td>
<td>P.D.Q. Printing Service, Urbana (Group II)</td>
<td>(3 806 00) f.o.b. delivered</td>
</tr>
<tr>
<td>One automatic single crystal X-ray diffractometer consisting of two integrated systems; X-ray system including: constant potential X-ray generator and control, 50KVP-50MA; current stabilizer for diffraction unit; electronic circuit panel; portable chart recorder; equi-inclination counter diffractometer; proportional counter attachment; fine focus diffraction tube; and digital control and recording system</td>
<td>Chemistry and Chemical Engineering</td>
<td>Philips Electronic Instruments, Mt. Vernon, N.Y.</td>
<td>52 610 00 f.o.b. shipping point</td>
</tr>
<tr>
<td>One mass spectrometer special, time of flight complete with accessories</td>
<td>Chemistry and Chemical Engineering</td>
<td>Bendix Corp., Cincinnati, Ohio</td>
<td>56 705 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Surveying instruments to be used as teaching aids in the Department of Civil Engineering: Item I—three theodolites, engineers, direction-type</td>
<td>Civil Engineering</td>
<td>Kern Instruments, Inc., Port Chester, N.Y. (Item I)</td>
<td>2 526 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Item II—three theodolites, repeating-type, engineers</td>
<td>Civil Engineering</td>
<td>Keuffel &amp; Esser Co., Chicago (Item II)</td>
<td>2 559 39 f.o.b. delivered</td>
</tr>
<tr>
<td>All complete with tripod, covers, and electric illumination outfit</td>
<td>Civil Engineering</td>
<td>Beckman &amp; Whitley, Inc., San Carlos, Calif.</td>
<td>6 918 38 f.o.b. delivered</td>
</tr>
<tr>
<td>One camera, continuous writing framing, complete with film cassette, lens, cable, carrying case, three stop sets, 50 times focusing microscope, two extension tubes, plug, 7x eyepiece, power cord, caping shutter, and one electronic flash unit including reflector, stand, and carrying case</td>
<td>Civil Engineering</td>
<td>Hughes Aircraft Co., VTD, c/o Cozzens &amp; Cudahy, Inc., Chicago</td>
<td>3 825 50 f.o.b. Oceanside, Calif.</td>
</tr>
<tr>
<td>One oscilloscope with image storage feature and instant erase, complete with two preamplifiers, mobile oscilloscope cart, and multitracer unit</td>
<td>Civil Engineering</td>
<td>Braun-Brumfield, Inc., Ann Arbor, Mich.</td>
<td>5 688 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind nine issues, 4,000 copies per issue, Illinois Teacher of Home Economics, approximately 48 pages per copy, plus cover, trim size 8½ in. by 11 in.</td>
<td>Education</td>
<td>Addressograph-Multigraph Corp., Peoria</td>
<td>4 313 40 f.o.b. delivered</td>
</tr>
<tr>
<td>One duplicator, offset, image area 10½ in. by 16½ in., to print on stock 11 in. by 17 in. equipped with mechanical jogger, work organizer, and blanket cleaner</td>
<td>Engineering</td>
<td>Vacuum-Electronics Corp., New Hyde Park, N.Y.</td>
<td>5 315 00 f.o.b. delivered</td>
</tr>
<tr>
<td>One exposure frame</td>
<td>Electrical Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One helium mass spectrometer to be used for testing vacuum tube type components for experimental research in Electrical Engineering</td>
<td>Electrical Engineering</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
One magnet system composed of six to eight modular air core coils, each coil 7 in. inside diameter, 2 to 3¾ in. wide, 4,000 gauss field over a central length of 20 in. to a spatial homogeneity along the axis of the coils of no less than 1 per cent.

One air compressor, two-stage, water-cooled, size 65½ by 2¾ by 5, complete with 40 H.P. motor, drive, controls, and cooling system for use in Department of Forestry in research on pressure treatment of wood.

Twenty-five geology cabinets, steel, 36 in. wide by 75 in. high by 25 in. deep, each with two rows of supports to accommodate 42 geology trays; trays are not included in this purchase.

One digital data recording system for two axes of a film reading microscope.

One automatic recording spectrophotometer.

One solenoid, superconducting, to produce 50 kilogauss when immersed in liquid helium at 4.2°K; useful I.D. 1 in., O.D. 4.4 in. or less, overall length approximately 6 in., approximately 12 amperes to rated field strength, homogeneity plus or minus 2 per cent; complete field change in two and one-half minutes; complete with persistent current switch; one power supply AC control circuit including programmer, overvoltage circuit, dump circuit, switch and internal protection against overload and excessive temperature.

Transportation (railroad) and handling charges of analyzing magnet from Oakland, Cali., to Upton, Long Island, N.Y.

One X-ray film processor and dryer (processes and dries in seven minutes sheets 4 in. by 4 in. to 17 in. by 36 in. and rolls to 17 in. width).

One hydromixer, 25-gallon size.

One portable cleaning tank.

Furniture for the first floor waiting area in the Health Service Addition to the McKinley Hospital as follows:
- Six four-seat units
- Two three-seat units
- Two two-seat units
- Two combination units with two seats and table.

Furnish and install an audio-visual nurse-call system in McKinley Hospital.

380 mattresses, innerspring, 36 in. by 78 in. finished size, not less than 6½ in. thick, not less than 152 coils.

Sundry items for resale in Housing Division Snack Bar for the period October 1, 1962, through August 31, 1963, including such products as tooth paste, mouth wash, dental floss, tooth brushes, combs, nail clippers and files, shampoo, razor blades, cough drops, menthol inhalers, adhesive bandages, anacin, aspirin, chapped lip medication, sanitary napkins, shoe polish and shoe laces, pens, pencils, ink, paper, index cards, rubber bands, paper clips, and mucilage.
Laundry service for Pennsylvania Avenue Residence Halls for the period October 1, 1962, through June 30, 1963

Linens for use in guest rooms of the Illini Union as follows:

Group I
30 dozen sheets, bed, 81 by 120 type 160
150 dozen sheets, bed, 72 by 120 type 180

Group II
125 dozen towels, bath, white terry, 22 in. by 44 in.
150 dozen towels, hand, white terry, 17 in. by 32 in.
150 dozen wash cloths, white terry, 12 in. by 12 in.
50 dozen mats, bath, white terry, 20 in. by 30 in.

Furnish labor and parts required to overhaul Hobart dishwasher model PT-24 to include: disassembling, replace or straighten stainless steel interior partitions; repair or replace all curtain hangers; replace curtains and damaged trim sections; seal all water leaks; overhaul conveyor assembly and replace all stainless steel rollers and shafts, washers, and pins; straighten all fingers and replace nylon tips; install and calibrate new thermometers; reassemble, test machine, and restore to working condition; this dishwasher was installed in November, 1955, with an original cost of $14,560

Stock tabulating forms for use in the Statistical Service Unit during the period of January 1, 1963, through December 31, 1963, to be delivered in two shipments

Print and bind 1,500 copies The Mexican Mesa, by William H. Dusenberry, approximately 272 pages per copy, trim size 6 in. by 9 in.

160 steel bookshelf units, each 36 in. wide by 9 1/2 in. deep by 84 in. high to be purchased for stock and for deliveries September 27, 1962, and January 15, 1963

174 reams paper, sulphite cover, antique finish, assorted sizes, weights and colors

Estimated six-month supply of paper, sulphite index, in assorted sizes, weights, and colors

5,000 reams paper, white onionskin, 75 per cent rag, size 8 1/2 in. by 11 in., to be purchased for stock

Eight groups of paper goods, including paper bags, wrapping paper, containers, napkins, food trays, hot and cold drink cups, straws, and miscellaneous paper and plastic items; the amounts requested are an estimated twelve-month supply

101 fluorescent light fixtures with polystyrene louvers and "A" Wordrated rapid start, ballasts for 40 watt lamps for Animal Sciences Laboratory lighting improvement project

Furnish labor, materials, and equipment to prepare sub-grade and install a bituminous concrete paving on an 86 ft. by 85 ft. recreation area at First Street and Gregory Drive, Champaign

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laundry service for Pennsylvania Avenue Residence Halls for the period October 1, 1962, through June 30, 1963</td>
<td>Housing Division</td>
<td>Shelton Laundry, Urbana</td>
<td>$ 4 194.72 f.o.b. picked up and delivered</td>
</tr>
<tr>
<td>Linens for use in guest rooms of the Illini Union as follows: Group I</td>
<td>Illini Union</td>
<td>Ely &amp; Walker, Chicago (Group I)</td>
<td>4 453.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marshall Field &amp; Co., Chicago (Group II)</td>
<td>2 258.75 (6 712.35) f.o.b. delivered</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hobart Sales Agency, Springfield</td>
<td>2 582.88 f.o.b. Urbana</td>
</tr>
<tr>
<td>FURNISH labor and parts required to overhaul Hobart dishwasher model PT-24 to include: disassembling, replace or straighten stainless steel interior partitions; repair or replace all curtain hangers; replace curtains and damaged trim sections; seal all water leaks; overhaul conveyor assembly and replace all stainless steel rollers and shafts, washers, and pins; straighten all fingers and replace nylon tips; install and calibrate new thermometers; reassemble, test machine, and restore to working condition; this dishwasher was installed in November, 1955, with an original cost of $14,560</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stock tabulating forms for use in the Statistical Service Unit during the period of January 1, 1963, through December 31, 1963, to be delivered in two shipments</td>
<td>Statistical Service Unit</td>
<td>Uarco, Inc., Decatur</td>
<td>3 890.38 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 1,500 copies The Mexican Mesa, by William H. Dusenberry, approximately 272 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>North Central Publishing Co., St. Paul, Minn.</td>
<td>3 183.80 f.o.b. delivered</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Office Supply Storeroom</td>
<td>Jack Sheean, Bloomington</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Office Supply Storeroom</td>
<td>Dwight Bros. Paper Co., Chicago</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Office Supply Storeroom</td>
<td>Bradner Smith &amp; Co., Chicago</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Office Supply Storeroom, Urbana, and Chicago Divisions</td>
<td>Levin Bros. Paper Co., Chicago</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Gershuny &amp; Epstein, Inc., Chicago</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Paper Service Co., Chicago</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Westinghouse Electric Supply, Danville</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Champaign Asphalt Co., Champaign</td>
</tr>
</tbody>
</table>
Furnish and plant 148 taxus cuspidata 
nana size 2 to 2½, and 254 taxus 
media hicksii size 18 in. to 24 in. (ever- 
green material to be used for hedge 
planting on south side of Green 
Street between Wright Street and 
Mathews Avenue, planting to be done 
in the spring, 1963) 

On motion of Mr. Swain, these purchases were authorized.

COMPTROLLER'S REPORT OF CONTRACTS

(30) The Comptroller's report of contracts executed during the period July 1, to 
August 31, 1962.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Aeronautics and Space Administration</td>
<td>Periodic motion and stability of a small mass under the gravitational attraction of two heavy bodies</td>
<td>$489,016.00</td>
<td>August 1, 1962</td>
</tr>
<tr>
<td>National Lin e Association</td>
<td>Fundamental properties of calcium with the intent to extend use of lime minerals into new fields</td>
<td>18,097.20</td>
<td>July 1, 1962</td>
</tr>
<tr>
<td>National Roofing Contractors Association</td>
<td>Causes of roofing failures</td>
<td>7,000.00</td>
<td>June 1, 1962</td>
</tr>
<tr>
<td>United States Agency for International Development AID/te-2</td>
<td>Render technical advice and guidance to government of Thailand for the purpose of developing and strengthening the Faculty of Medicine, Chiangmai Hospital</td>
<td>719,036.00</td>
<td>August 2, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 33(608) 796</td>
<td>Provide instruction for approximately 150 students</td>
<td>215,000.00</td>
<td>July 1, 1962</td>
</tr>
<tr>
<td>United States Army DA-ARO (D) 31-124-G343</td>
<td>Experimental research upon superconducting metals</td>
<td>130,188.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>United States Army DA-ARO (D) 31-124-G366</td>
<td>Influence of ionic aggregation on rates and products of several reactions</td>
<td>8,849.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1195</td>
<td>Elementary particle physics</td>
<td>71,000.00</td>
<td>June 1, 1962</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1198</td>
<td>Use charge for portion of Materials Research Laboratory used in commission-supported research</td>
<td>128,950.00</td>
<td>June 1, 1962</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1199</td>
<td>Studies of rainout of radioactivity in Illinois</td>
<td>45,325.00</td>
<td>June 1, 1962</td>
</tr>
<tr>
<td>United States Department of Agriculture 12-14-100-5791 (72)</td>
<td>Chemical and physical properties of cyclopropene fatty acids in cottonseed</td>
<td>29,400.00</td>
<td>June 19, 1962</td>
</tr>
<tr>
<td>United States Department of Defense OCD-OS-62-209</td>
<td>Prepare a manual on the protective design of residences for reducing effects of nuclear weapons</td>
<td>20,000.00</td>
<td>June 20, 1962</td>
</tr>
<tr>
<td>United States Department of Defense OCD-OS-62-316</td>
<td>Send an architectural or engineering faculty member to University of Colorado to attend a course in protective construction</td>
<td>665.00</td>
<td>June 25, 1962</td>
</tr>
<tr>
<td>United States Department of Defense OCD-OS-62-317</td>
<td>Send an architectural or engineering faculty member to participate in a course in protective construction</td>
<td>750.00</td>
<td>June 30, 1962</td>
</tr>
<tr>
<td>United States Department of Defense OCD-OS-62-333</td>
<td>Send an architectural or engineering faculty member to participate in a course on protective construction</td>
<td>750.00</td>
<td>June 25, 1962</td>
</tr>
<tr>
<td>United States Department of Defense OCD-OS-62-345</td>
<td>Send an architectural or engineering faculty member to University of California to participate in a course on protective construction</td>
<td>915.00</td>
<td>June 25, 1962</td>
</tr>
<tr>
<td>United States Department of Defense SD-131</td>
<td>Research in the science of materials</td>
<td>3,810.535.00</td>
<td>June 1, 1962</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare 2-20-003</td>
<td>More effective utilization of television, radio, motion pictures, and related media for educational purposes</td>
<td>70,819.00</td>
<td>June 29, 1962</td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
<td>Amount to be Paid to the University</td>
<td>Effective Date</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>-------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Science concept development in the elementary school through inquiry training</td>
<td>$103,355.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>United States Department of Labor</td>
<td>Provide consultative services for thirteen groups of Japanese trade unionists</td>
<td>139,520.48</td>
<td>June 21, 1962</td>
</tr>
<tr>
<td>United States Department of Labor</td>
<td>Factors influencing consumer saving behavior</td>
<td>40,000.00</td>
<td>June 29, 1962</td>
</tr>
<tr>
<td>United States Navy N 123-(953) 30568A</td>
<td>Design of a major integrated shipboard antenna system</td>
<td>88,031.00</td>
<td>June 20, 1962</td>
</tr>
<tr>
<td>United States Navy N 228-58522</td>
<td>Admittance for academic credit and instruction of officer students</td>
<td>3,000.00</td>
<td>August 7, 1962</td>
</tr>
<tr>
<td>United States Navy NObs-86688</td>
<td>Survey of existing knowledge of brittle fracture phenomena</td>
<td>30,000.00</td>
<td>May 31, 1962</td>
</tr>
<tr>
<td>United States Navy NNo.(G)00101-62</td>
<td>Acquisition of a high-speed electronic digital computer</td>
<td>350,000.00</td>
<td>June 15, 1962</td>
</tr>
<tr>
<td>United States Navy NOw 62-0069-d</td>
<td>Spectral reflectance characteristics of painted surfaces</td>
<td>5,500.00</td>
<td>June 15, 1962</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$8,118,433.68</strong></td>
<td></td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
<td>Amount to be Paid by the University</td>
<td>Effective Date</td>
</tr>
<tr>
<td>States Attorney of DeKalb County</td>
<td>Payment, in lieu of taxes, for services rendered (Wright)</td>
<td>$5,072.62</td>
<td>June 21, 1962</td>
</tr>
<tr>
<td>States Attorney of LaSalle County</td>
<td>Payment, in lieu of taxes, for services rendered (Weber and McNelly)</td>
<td>3,633.21</td>
<td>June 12, 1962</td>
</tr>
<tr>
<td>States Attorney of Moultrie County</td>
<td>Payment, in lieu of taxes, for services rendered (Hackett)</td>
<td>943.68</td>
<td>July 12, 1962</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$9,649.51</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thad L. Beyle (Renewal)</td>
<td>Second-floor apartment of Burt House (Airport) from September 1, 1962, to August 31, 1963</td>
<td>$960.00 (annual rental)</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>Joe L. Collins (Renewal)</td>
<td>First-floor apartment of Burt House (Airport) from September 1, 1962, to August 31, 1963</td>
<td>$1,020.00 (annual rental)</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$1,980.00</strong></td>
<td></td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
<td>Amount to be Paid to the University</td>
<td>Effective Date</td>
</tr>
<tr>
<td>International Business Machines Corp.</td>
<td>IBM equipment: One column binary device; five key punches; type 047 tape to card printing key punch</td>
<td>$4,752.00 (annual rental)</td>
<td>June and July, 1962</td>
</tr>
<tr>
<td>International Harvester Co.</td>
<td>Rental of farm machinery: One low bed trailer</td>
<td>193.40</td>
<td>May 29, 1962</td>
</tr>
<tr>
<td>LaSalle-Madison Hotel Co. (Renewal)</td>
<td>Rental of east portion of the twentieth floor from July 1, 1962, through June 30, 1963</td>
<td>10,800.00 (annual rental)</td>
<td>June 30, 1962</td>
</tr>
<tr>
<td>New Idea Farm Equipment Co.</td>
<td>Rental of farm machinery: One manure spreader with hitch jack and endgate attachment</td>
<td>114.28</td>
<td>March 23, 1962</td>
</tr>
<tr>
<td>188 Randolph Building Corp. (Renewal)</td>
<td>Rental of suite 301-03 from July 1, 1962, through April 30, 1963</td>
<td>3,750.00 (for 10 months)</td>
<td>July 1, 1962</td>
</tr>
<tr>
<td>B. A. Strauch (Renewal)</td>
<td>Rental of 707-709 South Wright Street, Champaign, from July 1, 1962, through June 30, 1963</td>
<td>2,400.00 (annual rental)</td>
<td>July 1, 1962</td>
</tr>
</tbody>
</table>
### With Whom

<table>
<thead>
<tr>
<th>Organization</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Iron and Steel Institute</td>
<td>Rental of 1102-A West Main Street, Urbana, from July 1, 1962, through June 30, 1963</td>
<td>$1,920.00 (annual rental)</td>
</tr>
<tr>
<td>Commonwealth Edison Co.</td>
<td>Welded wire fabric for reinforced concrete</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Institute of Boiler and Radiator Manufacturers</td>
<td>Properties of refractories</td>
<td>$30,000.00</td>
</tr>
<tr>
<td>Kretschmer Corp.</td>
<td>Prospectus for lime-pozzolan mixtures</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>National Lime Association</td>
<td>Wheat germ oil and feasibility of its use with athletic groups</td>
<td>$2,500.00</td>
</tr>
<tr>
<td>Pozzalan Products Co., Inc.</td>
<td>Prospectus for lime-pozzolan mixtures</td>
<td>$3,125.00</td>
</tr>
<tr>
<td>State of Illinois Department of Conservation</td>
<td>Wildlife research studies</td>
<td>$94,500.00</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project No. 1723</td>
<td>Relation of neural metabolism to function</td>
<td>$29,500.00</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project No. 1747</td>
<td>High energy bunched electron beams</td>
<td>$5,776.17</td>
</tr>
<tr>
<td>United States Air Force AF 18(603) 62</td>
<td>Processes in the ionosphere by means of gyro interaction experiments carried out with rockets</td>
<td>$6,000.00</td>
</tr>
<tr>
<td>United States Air Force AF 19(604) 5565</td>
<td>Analysis and design of domes, arches, and shells</td>
<td>$35,000.00</td>
</tr>
<tr>
<td>United States Air Force AF 49(638) 63</td>
<td>Transistor—RC network synthesis</td>
<td>$7,272.82</td>
</tr>
<tr>
<td>United States Air Force AF 49(638) 556</td>
<td>Modulation and detection of light at microwave frequencies</td>
<td>$4,885.53</td>
</tr>
<tr>
<td>United States Air Force AF 49(638) 763</td>
<td>Electron microscopy of ultrasonically irradiated muscle</td>
<td>$1,452.82</td>
</tr>
<tr>
<td>United States Army DA 18-064-404-CML-426</td>
<td>Synthesis of fluorine compounds</td>
<td>$15,500.00</td>
</tr>
<tr>
<td>United States Army DA 36-039-SC-87264</td>
<td>Design of a direction-finder system</td>
<td>$89,899.00</td>
</tr>
<tr>
<td>United States Army DA 49-193-MD-2047</td>
<td>Antiradiation drugs</td>
<td>$26,011.00</td>
</tr>
<tr>
<td>United States Army DA 49-193-MD-2133</td>
<td>Biochemistry of the inhibitory or receptor-like substances with which influenza viruses react</td>
<td>$20,668.00</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 791</td>
<td>Effect of X-ray irradiation on enzymatic activity and nucleic acid metabolism in seeds and seedlings of Zea mays</td>
<td>$18,354.00</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1018</td>
<td>Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high energy particle events</td>
<td>$48,840.00</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1046</td>
<td>Fatigue behavior of dilute nitrogen</td>
<td>$26,700.00</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1046</td>
<td>General relations of changes of interest and personality to changes of school performance in normal children</td>
<td>$4,140.00</td>
</tr>
</tbody>
</table>

### Contract Changes

<table>
<thead>
<tr>
<th>Organization</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Iron and Steel Institute</td>
<td>Properties of refractories</td>
<td>$30,000.00</td>
</tr>
<tr>
<td>Commonwealth Edison Co.</td>
<td>Prospectus for lime-pozzolan mixtures</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>Institute of Boiler and Radiator Manufacturers</td>
<td>Performance of steam and hot water heating systems and related equipment</td>
<td>$33,700.00</td>
</tr>
<tr>
<td>Kretschmer Corp.</td>
<td>Wheat germ oil and feasibility of its use with athletic groups</td>
<td>$2,500.00</td>
</tr>
<tr>
<td>National Lime Association</td>
<td>Prospectus for lime-pozzolan mixtures</td>
<td>$3,125.00</td>
</tr>
<tr>
<td>Pozzalan Products Co., Inc.</td>
<td>Wildlife research studies</td>
<td>$94,500.00</td>
</tr>
<tr>
<td>State of Illinois Department of Conservation</td>
<td>Psychosomatic differentiation in infancy</td>
<td>$59,576.00</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project No. 1723</td>
<td>Relation of neural metabolism to function</td>
<td>$29,500.00</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project No. 1747</td>
<td>High energy bunched electron beams</td>
<td>$5,776.17</td>
</tr>
<tr>
<td>United States Air Force AF 18(603) 62</td>
<td>Processes in the ionosphere by means of gyro interaction experiments carried out with rockets</td>
<td>$6,000.00</td>
</tr>
<tr>
<td>United States Air Force AF 19(604) 5565</td>
<td>Analysis and design of domes, arches, and shells</td>
<td>$35,000.00</td>
</tr>
<tr>
<td>United States Air Force AF 49(638) 63</td>
<td>Transistor—RC network synthesis</td>
<td>$7,272.82</td>
</tr>
<tr>
<td>United States Air Force AF 49(638) 556</td>
<td>Modulation and detection of light at microwave frequencies</td>
<td>$4,885.53</td>
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<tr>
<td>United States Air Force AF 49(638) 763</td>
<td>Electron microscopy of ultrasonically irradiated muscle</td>
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<td>United States Army DA 18-064-404-CML-426</td>
<td>Synthesis of fluorine compounds</td>
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</tr>
<tr>
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<td>Effect of X-ray irradiation on enzymatic activity and nucleic acid metabolism in seeds and seedlings of Zea mays</td>
<td>$18,354.00</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1018</td>
<td>Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high energy particle events</td>
<td>$48,840.00</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1046</td>
<td>Fatigue behavior of dilute nitrogen</td>
<td>$26,700.00</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1) 1046</td>
<td>General relations of changes of interest and personality to changes of school performance in normal children</td>
<td>$4,140.00</td>
</tr>
</tbody>
</table>
With Whom
United States Department of Health, Education, and Welfare OE 2-12-081
United States Navy Nuclear 1834 (05)
United States Navy Nonr 1834 (34)
United States Navy Nonr 1834 (39)
Velsicol Corp.

Purpose
Counseling and guidance training Institute
Restricted
Nuclear disintegration schemes and nuclear interactions of cosmic rays
Luminescence of marine organisms
Structure of individual differences in psychological phenomena
Heptachlor epoxide residues in meat and milk

Amount to be Paid to the Effective
University Date
$2,413.00 June 19, 1962
357,466.00 June 19, 1962
918,500.00 May 22, 1962
19,742.00 July 17, 1962
17,242.00 July 20, 1962
2,000.00 July 9, 1962

Total
$1,903,463.34

Adjustments Made in 1961-62 Cost-Plus Contracts

With Whom
E. T. Drewitch
(Plastering)

Purpose
Twenty-five items: $650.00 deduct to $207.22

Amount
$991.85

Date
June and July, 1962

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(31) The Comptroller presented his quarterly report to the Board as of June 30, 1962.

This report was received for record, and a copy has been filed with the Secretary of the Board.

NOTICE OF CHANGE IN POLICIES AND PROCEDURES CONCERNING RETROACTIVE SALARY AND WAGE ADJUSTMENTS

(32) The University has received official notice that retroactive salary adjustments can no longer be made. The University must, therefore, modify certain of its policies and procedures accordingly. These changes will be effective for all future negotiations and for negotiations now underway effective sixty days after the date of this action.

NONACADEMIC

1. Effective Date of Prevailing Rate Changes

Wage rates established in accordance with the University policy of paying prevailing rates will become effective: (1) on the date they are put into effect locally, or (2) on the first day of the month following the date official notice in writing from the Union involved that a specific rate will be in effect or is in effect locally is received by the University's Labor Relations Officer in the Office of Nonacademic Personnel — whichever is later. (Section III, paragraph 1, page 5, of the University Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees must be corrected.)

2. Negotiated Agreements

Rates established by negotiated agreements may become effective not earlier than the first day of the month following the date on which all parties involved have indicated their willingness to accept the rates or rate schedules which become a part of the agreement.

3. Departmental Recommendations for Nonacademic Salary or Wage Amounts Determined by Other Than Prevailing Rate or Negotiated Group Agreements

Such salary or wage amounts may become effective not earlier than the first day of the payroll period next following the date on which they are approved by the Office of Nonacademic Personnel.

ACADEMIC

Recommendations for adjustments in academic salary rates will be effective at the beginning of the first payroll period following the date of approval by the University.
President Henry stated that he concurs in the recommended changes.

On motion of Mr. Swain, these changes in policies and procedures were approved.

**ILLINOIS CITIZENS EDUCATION COMMITTEE**

Mrs. Watkins reported on a conference on the Junior College Development in Illinois held in Springfield, on August 28, 1962, which she attended as a representative of the Board of Trustees. The conference was organized by the Continuing Education Committee of the Illinois Citizens Education Committee. She distributed copies of the proceedings of the conference.

**NOVEMBER MEETING**

President Henry stated that the University's capital budget and building program for 1963-65 will not be ready for official action thereon by the Board of Trustees at the October meeting of the Board. State law requires filing budget estimates no later than November 15. Since the regular November meeting of the Board is presently scheduled for November 21, consideration should be given to a special meeting of the Board prior to November 15, or changing the date of the regular meeting.

President Henry also stated that plans are now being made for a ceremony in November dedicating the Radio and Telescope constructed by the University near Danville, Illinois, with funds provided by the United States Navy through its Office of Naval Research. The participation of members of the Board of Trustees and other University officials is desired.

Officers of the Danville Chamber of Commerce wish to assist in sponsoring the dedication with a public luncheon and program with the Chamber as host to the Trustees and other participants in the ceremony by way of expressing the appreciation of the Danville community for the installation of the Radio Telescope in that area.

On motion of Mr. Williamson, the Board voted to change the date of the November meeting from November 21 to November 9, to be held in Danville, Illinois, at a place and according to a schedule to be determined by the President and Secretary of the Board.

Mr. Clement presented the following resolution:

**GREETING TO MR. ROBERT ALLERTON**

Eighteen years ago this month, Mr. Robert Allerton offered to deed to the University his estate "The Farms" for educational and research purposes to be used as a forest, wildlife, and plant life preserve, as an example of landscape architecture, and as a public park. The offer was accepted by the Board of Trustees and the gift was formalized two years later by two indentures between Mr. Allerton and the Board of Trustees, one conveying to the University the "Woodland Property" including the homestead in which we are now meeting, and the approximately 1,685 acres of surrounding forest and garden land which is "The Robert Allerton Park," a public park, including a deed of 4,500 acres of farm land in Piatt County as an endowment for the maintenance and operation of the Park; and the other indenture conveying to the University land for use as a 4-H Club camp for 4-H Club activities.

Through the years, the Park has served the public. Allerton House, after extensive remodeling to adapt it for institutional use, has been an off-campus University extension center for short courses, seminars, other educational programs, and for meetings which are in areas of University service to the state outside of classrooms and laboratories on the campuses.

Mr. Allerton created this beautiful estate and built this mansion at the turn of the century. This house was his home for more than forty years, although he traveled extensively and lived elsewhere part of each year. When he decided that he wanted to live permanently in Hawaii, where he built another famous garden estate, he very generously gave "The Farms" to the University; and in
order that the "Woodland Property"—Robert Allerton Park, so named by the Board—would be operated at no expense to the public, he endowed it with farm lands, the income from which is used for the operation and maintenance of the Park and to some extent the House.

It is very fitting that on the occasion of today's meeting of the Board of Trustees at Allerton House, the Board again record its deep appreciation on behalf of the University of Illinois and the people of the state for what Mr. Robert Allerton and his adopted son, Mr. John Gregg, have done for them and that this resolution be sent to Mr. Allerton as a greeting from the Board of Trustees.

The resolution was unanimously adopted.

SECRETARY'S REPORTS
The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, declinations, and terminations; leaves of absence; retirement.

**APPOINTMENTS MADE BY THE PRESIDENT**
(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

- **ADES, HARLOW W.** Consultant in Electrical Engineering (S), one year from September 1, 1962, $3,000 (8-21-62).
- **ADKINS, RICHARD W.** Assistant in Mechanical Engineering (C), nine months from September 16, 1962, $5,700 (7-3-62).
- **ADUSS, HOWARD.** Research Associate in Dental Administration (Dentistry), 1/3 time, one year from September 1, 1962, $4,800 (7-30-62).
- **ALDERS, C. ROLAND.** Administrative Assistant in the College of Commerce and Business Administration, one year from September 1, 1962, $9,000 (8-1-62).
- **ALEXANDER, RICHARD W.** Assistant in English, nine months from September 16, 1962, $4,000 (8-8-62).
- **ALFELD, WILLIAM W.** Instructor in Journalism, academic year beginning September 1, 1962, $6,400 (7-9-62).
- **ALLEN, ALFRED W.** Professor of Ceramic Engineering (C), one month from July 16, 1962, $1,333; this is in addition to his present appointment (7-9-62).
- **ALLHANDS, JESSIE.** Instructor in Mathematics, academic year beginning September 1, 1962, $5,400 (8-29-62).
- **AMON, ALBERT H.** Assistant Professor of Psychology, Digital Computer Laboratory and Department of Psychology, academic year beginning September 1, 1962, $6,500 (7-3-62).
- **ANDERSEN, SAYRE D.** Assistant in English, nine months from September 16, 1962, $4,200, supersedes (8-8-62).
- **ANDERSON, EDNA L.** Assistant Professor of Nursing and Administrative Assistant to the Dean of the College of Nursing, two years from September 1, 1962, $10,300 a year, supersedes (7-30-62).
- **ANDERSON, MRS. MARY P.** Research Assistant in Chemistry, one year from September 1, 1962, $6,000 (8-29-62).
- **ANDERSON, WILLIAM L.** Project Assistant in the State Natural History Survey, two months from July 1, 1962, $490 a month, supersedes (7-9-62).
- **ANDREWS, ROLLIN D., III.** Project Assistant in Aquatic Biology, and in the Illinois Natural History Survey, two months from July 1, 1962, $430 a month, supersedes (8-14-62); and on full time, September 1-15, 1962, and June 1-August 31, 1963, $5,160 a year, and on 1/2 time, September 16, 1962-May 31, 1963, $2,580 a year, supersedes (8-14-62).
- **ANTENEN, WAYNE W.** Research Associate in Education, to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, $5,400 a year (8-1-62).
- **ANZALONE, CHARLENE, INSTRUCTOR IN PHYSICAL EDUCATION FOR WOMEN (CHICAGO UNDERGRADUATE DIVISION), academic year beginning September 1, 1962, $5,500 (8-3-62).
- **ARNOLD, MARGORIE L.** Research Associate in Chemistry, one year from September 1, 1962, $6,500 (8-8-62).
- **ATLAS, AMOS.** Research Associate in Theoretical and Applied Mechanics (C), 1/2 time, academic year beginning September 1, 1962, $2,700, supersedes (8-21-62).
AXEL, PETER, Professor of Physics (C), August 1-15, 1962, $616.66; this is in addition to his present appointment (8-14-62).

BABCOCK, MURRAY L., Research Assistant Professor of Electrical Engineering (S), one year from September 1, 1962, $9,200, supersedes (8-29-62).

BAIRD, ROBERT, Associate Professor of Zoology, June 16-August 31, 1962, $2,417; this is in addition to his present appointment (7-9-62).

BAIN, ROBERT A., Assistant in English, nine months from September 16, 1962, $4,200, supersedes (8-8-62).

BAIRD, JACK R., Research Assistant in Electrical Engineering (S), one year from September 1, 1962, $6,000, supersedes (8-14-62).

BAKER, ROBERT A., Research Associate in Music, nine months from September 16, 1962, $5,200 (7-3-62).

BALDWIN, JOHN E., Instructor in Organic Chemistry, academic year beginning September 1, 1962, $6,500 (7-3-62).

BARTHA, TAMAS I., Instructor in Mathematics (Chicago Undergraduate Division), academic year beginning September 1, 1962, $5,000 (7-9-62).

BARTKY, SANDRA S., Instructor in Philosophy (Chicago Undergraduate Division), 1/2 time, ten months from September 1, 1962, $2,700 (7-30-62).

BARTON, FURMAN, Professor Civil Engineering (C and S), one year from September 1, 1962, $7,600, supersedes (8-16-62).

BARTON, FURMAN, Research Assistant in Civil Engineering (C and S), one year from September 1, 1962, $7,600, supersedes (8-16-62).

BARTON, H. H., Assistant Professor of Mathematics, academic year beginning September 1, 1962, $8,500 (8-6-62).

BATEMAN, BARBARA D., Research Associate in the Institute for Research on Exceptional Children, July 1, 1962-August 31, 1963, $3,000 a year (7-16-62).

BATEMAN, FELICIA M., Assistant Professor of Mathematics, 1/2 time, academic year beginning September 1, 1962, $4,000 (8-29-62).

BAYLOR, GEORGE W., Assistant Professor of Zoology, June 16-August 31, 1962, $1,945; this is in addition to his present appointment (7-9-62).

BECKER, RICHARD W., Research Assistant in the Institute of Communications Research (College of Journalism and Communications), two months from June 16, 1962, $444.44 a month, supersedes (8-3-62).

BENNETT, DELMOND N., Assistant Professor of Speech and Theatre and Summer Residential Program, Summer Session of 1962, June 16-August 11, 1962, $1,445 for the period, supersedes previous Summer Session appointment (7-19-62).

BERG, RICHARD W., Research Assistant in the Institute of Communications Research (College of Journalism and Communications), two months from June 16, 1962, $444.44 a month, supersedes (8-3-62).

BENNENT, DELMOND N., Assistant Professor of Speech and Theatre and Summer Residential Program, Summer Session of 1962, June 16-August 11, 1962, $1,445 for the period, supersedes previous Summer Session appointment (7-19-62).

BENTZ, WILBERT G., Instructor in Hygiene and Psychiatric Social Worker (Health Service), one year from September 1, 1962, $8,500 (7-17-62).

BEREITER, CARL, Assistant Professor of Education, June 18-August 11, 1962, $1,778; this is in addition to his present appointment (7-25-62).

BESKIN, BEN, Research Associate in Dairy Science (S), one year from September 1, 1962, $6,850 (8-8-62).

BERGER, JACQUES, Research Assistant in Zoology, June 16-August 31, 1962, $1,111 (7-9-62).

BERINGER, MRS. MARY N., Instructor in German, academic year beginning September 1, 1962, $5,800 (7-30-62).

BERKLAND, JACQUES, Visiting Research Associate in Electrical Engineering (S), one year from September 1, 1962, $6,000 (7-30-62).

BEVAN, MARGARET M., Head Resident and Coordinator, Tied, ten months from September 1, 1962, $4,800; for the convenience of the University she will receive board and room valued at $31 a month (8-3-62).
BIANCHI, DOMINIC R., Assistant in English, nine months from September 16, 1962, $4,000 (6-18-62).
BIEGLE, THOMAS, Research Associate in Chemistry, September 18, 1962-August 31, 1963, $6,300 a year, supersedes (8-29-62).
BINGHAM, FELTON W., Research Associate in Physics (C), July 16-August 31, 1962, $625 a month, and one year from September 1, 1962, $7,500 (7-9-62).
BIRDWISTELL, RALPH K., Visiting Lecturer in Chemistry, nine months from September 16, 1962, $9,500 (7-30-62).
BIRDZELL, RUTH A., Research Associate in English, nine months from September 16, 1962, $5,400 (7-9-62).
BLOOM, WILLIAM R., Resident Manager of Peabody Drive Residence Halls, one year from September 1, 1962, $4,200; for the convenience of the University he will also receive board and room valued at $376 a year, supersedes (8-16-62).
BLOODGOOD, DEAN P., Instructor in Art, academic year beginning September 1, 1962, $5,800 (8-1-62).
BLOSTEIN, RHODA, Research Associate in Chemistry, ½ time, one year from September 1, 1962, $3,250 (8-27-62).
BLUM, MARK F., Assistant in Surgery (Medicine), one year from July 1, 1962, without salary (7-9-62).
BLOOMH, JEROME S., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, $4,800 (7-17-62).
BOAS, GLENN, Instructor in Dentistry (Dentistry), ½ time, one year from September 1, 1962, $2,800 (7-9-62).
BOWERS, JOHN E., Director of Testing in the Office of Admissions and Records, one year from September 1, 1962, $10,500 (7-20-62).
BRATTON, EDWARD W., Assistant in English, nine months from September 16, 1962, $4,400, supersedes (8-8-62).
BREM, HANS, Research Professor, Principal Investigator, National Science Foundation Research (Economics), July 5-September 5, 1962, $3,267; this is in addition to his present appointment (7-20-62).
BRIDGES, THOMAS W., Instructor in Music, academic year beginning September 1, 1962, $6,775 (7-31-62).
BROOKS, F. LESLIE, Instructor in Physical Chemistry, one year from September 1, 1962, $8,310 (8-21-62).
BROWN, GORDON E., Instructor in Mathematics, academic year beginning September 1, 1962, $6,500 (8-14-62).
BROWN, R. ROBERT, Research Assistant in Education (University High School), nine months from September 16, 1962, $6,800 (6-27-62).
BRUNGARDT, GILBERT A., Instructor in Music, ½ time, academic year beginning September 1, 1962, $3,550 (7-9-62).

BUCHHOLTZ, EUGENE R., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, $5,300 (8-16-62).

BUINAUSKAS, PETER, Clinical Instructor in Surgery (Medicine), ½ time, one year from September 1, 1962, $3,000 (8-1-62).

BURKEHOLDER, DONALD L., Associate Professor of Mathematics, August 16-31, 1962, $545; this is in addition to his present appointment (8-14-62).

BURTON, LESLIE J., Instructor in Accountancy (Chicago Undergraduate Division), academic year beginning September 1, 1962, $5,400 (8-14-62).

BYERS, VINCENT W., Assistant Professor of Speech and Theatre and Summer Residential Program, Summer Session of 1962, June 18-August 11, 1962, $1,556, supersedes previous Summer Session appointment (7-19-62).

CAIRNS, JOHN F., Research Associate in Chemistry, one year from September 1, 1962, $6,600 (7-2-62).

CAMERON, NEIL M., Research Associate in Theoretical and Applied Mechanics (C), 2/3 time, academic year beginning September 1, 1962, $3,700, supersedes (7-30-62).

CAQUELIN, HOWARD J., Assistant Counselor in the Office of Foreign Student Affairs, August 13, 1962-August 31, 1963, $6,500 a year (8-8-62).

CARR, JOHN R., Lecturer in Mechanical Engineering (C), ½ time, academic year beginning September 1, 1962, $7,500 (8-3-62).

CASTEELE, DAVID A., Project Assistant in the State Natural History Survey, two months from July 1, 1962, $300 a month, supersedes (7-9-62).

CASTEN, SAINE A., Instructor in Chemistry (Chicago Undergraduate Division), academic year beginning September 1, 1962, $5,600 (7-9-62).

CHAKRAVARTI, SUSIL K., Research Associate in Chemistry, two months from September 1, 1962, $325 a month (8-27-62).

CHAN, SHU-PARK, Research Associate in the Coordinated Science Laboratory (C), ½ time, one year from September 1, 1962, $3,300 (8-21-62).

CHAPDUN, ROBERT E., Instructor in Business English, academic year beginning September 1, 1962, $5,500 (8-8-62).

CHAPIN, F. STUART, Visiting Professor of City Planning and Landscape Architecture and Associate Member of the Center for Advanced Study, nine months from September 16, 1962, $12,000 (7-27-62).

CHAPMAN, PETER J., Research Associate in Chemistry, one year from September 1, 1962, $6,300 (8-27-62).


CIPOLLA, DANUTE, Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1962, $4,800 (7-2-62).

CLARKE, KENNETH S., Supervisor of Recreation and Athletics, with rank of Instructor, Student Rehabilitation Center (College of Physical Education), one year from September 1, 1962, $7,250, supersedes (8-24-62).

COLEMAN, M., Instructor in Chemistry (Chicago Undergraduate Division), ½ time, academic year beginning September 1, 1962, $5,100 (7-9-62).

CONRON, MICHAEL A., Instructor in the Institute of Aviation, one year from September 1, 1962, $8,400 (8-3-62).

COOLEY, MARIA J., Reference Assistant in the Library, one year from September 1, 1962, $5,400 (7-9-62).

CORDELL, HOWARD W., Instructor in Library Science, academic year beginning September 1, 1962, $6,000 (6-27-62).

CORLISS, JOHN O., Professor of Zoology, June 16-August 31, 1962, $2,778; this is in addition to his present appointment (7-9-62).

CORNELL, HARRISON K., Educational Script Writer for Television (College of Journalism and Communications), one year from September 1, 1962, $7,000 (7-9-62).
COTTER, ALICE W., Assistant to the Dean of Women, August 15-31, 1962, $250 (7-9-62); and Head Resident, Allen Hall (South), ten months from September 1, 1962, $5,200; for the convenience of the University she will also receive board and room valued at $31 a month (8-3-62).

COTTRELL, RAYMOND S., JR., Research Associate in the Institute for Research on Exceptional Children, one year from September 1, 1962, $8,950 (7-30-62).

COURKOUS, MRS. HELEN, Research Assistant in Microbiology, one year from September 1, 1962, $5,800 (8-8-62).

CRAIG, JAMES M., JR., Instructor in the Institute of Aviation, one year from September 1, 1962, $8,400 (8-3-62).


CREMER, SHELDON E., Research Associate in Chemistry, one year from October 1, 1962, $6,000 (7-30-62).

CUDIA, DENNIS F., Research Assistant in Mathematics, one month from July 1, 1962, $445 (7-17-62).

CUMMINGS, RICHARD L., Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1962, $6,500 (7-2-62).

CURTIS, HERBERT J., Associate Professor of Mathematics and Head of the Division (Chicago Undergraduate Division), indefinite tenure from September 1, 1962, to render service during each academic year, $10,100 a year, supersedes (7-31-62).

DAILEY, MARY E., Assistant in English, nine months from September 16, 1962, $4,000 (6-18-62).

DAS, ARUP K., Instructor in Oral Pathology (Dentistry), one year from September 1, 1962, $7,500 (8-3-62).

DAVIS, GEORGE C., JR., Assistant in History, Summer Session of 1962, June 18-August 11, 1962, $889, supersedes previous Summer Session appointment (7-13-62).

DAVIES, WILLIAM K., Instructor in Architecture, academic year beginning September 1, 1962, $6,400 (7-11-62).

DAY, NORMAN D., Assistant Professor of Architecture, 2/3 time, academic year beginning September 1, 1962, $5,140 (7-11-62).

DEAM, EDWARD L., Associate Professor of Architecture (Chicago Undergraduate Division), two years from September 1, 1962, to render service during each academic year, $9,000 a year (7-17-62).

DEN OUDEN, GERRIT, Research Associate in Physics (C), one year from September 1, 1962, $7,500 (6-29-62).

DERBER, ZELDA, Associate Editor in Law, with rank of Instructor, July 1, 1962-August 31, 1963, $6,000 a year (7-16-62).

DERBYSHIRE, WILLIAM, Research Associate in Chemistry, one year from October 1, 1962, $6,500 (8-27-62).


DICK, RICHARD I., Instructor in Sanitary Engineering (Civil Engineering) (C and S), academic year beginning September 1, 1962, $6,500 (8-3-62).

DIXON, MARGIE K., Assistant in Chemistry, nine months from September 16, 1962, $4,400 (8-16-62).

DJORUP, FRANS E., Instructor in Mathematics, three months from June 16, 1962, $2,334; this is in addition to his present appointment (7-9-62).

DONOVAN, DENNIS G., Assistant in English, nine months from September 16, 1962, $4,300 (8-8-62).

DOUGLAS, GEORGE H., Assistant Editor, with rank of Instructor (S and E), one year from September 1, 1962, $6,300 (7-30-62).


DRUMMOND, HAROLD A., Lecturer in Medical and Dental History, with rank of Associate Professor (Dentistry), 1/10 time, indefinite tenure from September 1, 1962, $1,000 a year (7-30-62).
DU BOIS, WILLIAM R., Assistant in English, nine months from September 16, 1962, $4,000 (8-16-62).

DUGGAN, THOMAS J., Research Assistant in the Office of Community Development, two months from July 1, 1962, $445 a month (8-21-62).

DYSART, MARGARET, Research Associate in Cytochemistry (Pharmacy), ¾ time, one year from July 1, 1962, $4,500 (8-1-62).

EDA, KEICHI, Research Associate in Chemistry, two months from July 1, 1962, $500 a month (8-21-62).

EDWARDS, WILLIAM R., Research Associate in the Illinois Natural History Survey, one year from September 1, 1962, $7,400 (8-24-62).

EHRET, THOMAS K., Assistant in English, nine months from September 16, 1962, $4,200 (8-8-62).

EISEN, NATHANIEL H., Assistant Professor of Psychology, ½ time, academic year beginning September 1, 1962, $4,200 (8-27-62).

ELDRIDGE, WINFIELD H., Associate Professor of Astronomy, two months from June 16, 1962, $911.11 a month (additional and superseding) (7-16-62).

ELLIS, JACK A., Research Associate in the State Natural History Survey, two months from July 1, 1962, $600 a month, supersedes (7-9-62).

ELLIS, RALPH J., Research Associate in the State Natural History Survey, two months from July 1, 1962, $560 a month, supersedes (7-9-62).

ELLIS, VIRGINIA, Head Resident, Allen Hall (North), ten months from September 1, 1962, $5,000; for the convenience of the University she will be furnished board and room valued at $31 a month (8-3-62).

ELSEY, JOHN C., Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1962, $6,000 (8-21-62).

ENATA, ELOISE C., Instructor in English, academic year beginning September 1, 1962, $6,500 (8-30-62).

ENGELBRECHT, S. RICHARD, Professor of Sanitary Engineering (Civil Engineering), two months from June 16, 1962, $2,555.56 (additional and superseding) (7-9-62).

ERICKSON, DONALD V., Instructor in English, academic year beginning September 1, 1962, $4,800 (8-14-62).

ERIKSEN, CHARLES W., Professor of Psychology, on indefinite tenure from September 1, 1962; Associate Member of the Center for Advanced Study, September 1, 1962-February 28, 1963; and on sabbatical leave of absence March 1-August 31, 1963; annual salary, $13,400 (7-27-62).

EWING, BENJAMIN B., Professor of Sanitary Engineering (Civil Engineering) (S), two months from June 16, 1962, $2,222.22 (additional and superseding) (7-9-62).


FALK, BARBARA M., Research Assistant in Preventive Medicine (Medicine), June 20, 1962-August 31, 1963, $5,400 a year (7-17-62).

FARA, HARRY, Instructor in Petroleum Engineering (C), nine months from September 16, 1962, $6,600 (8-9-62).

FELDMAN, SHELDON, Research Associate in the Institute of Communications Research (College of Journalism and Communications), June 16, 1962-May 31, 1963, $722.22 a month (7-3-62).

FERRER, MRS. MARIANNE A., Lecturer in Economics, ½ time, nine months from September 16, 1962, $2,250 (8-29-62).

FERGUSON, MARIE A., Assistant Professor of Psychology, in Social Sciences, and Counselor in the Student Counseling Service (Chicago Undergraduate Division), one year from September 1, 1962, $8,300 (6-18-62).

FIEDLER, MARY A., Research Assistant in Preventive Medicine (Medicine), June 16-August 31, 1963, $5,800 a year (7-25-62).

FISHER, ROGER J., Research Assistant in Sociology, nine months from September 16, 1962, $5,400 (8-21-62).

FLANAGAN, MALACHI J., Instructor in Urology (Surgery) (Medicine), 7/10 time, July 1, 1962-August 31, 1963, $6,290 a year (7-17-62).

FLANAGAN, MALACHI J., Instructor in Urology (Surgery) (Medicine), 7/10 time, July 1, 1962-August 31, 1963, $6,290 a year (7-17-62).

FLANAGAN, MALACHI J., Instructor in Urology (Surgery) (Medicine), 7/10 time, July 1, 1962-August 31, 1963, $6,290 a year (7-17-62).

FLENNER, MRS. JACQUELINE W., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, $4,400 (6-11-62).
FLOWERS, RAYMOND W., Research Assistant in Medicine (Medicine), one year from July 1, 1962, $4,900 (7-9-62).

FOUGHT, MRS. MARTHA, Research Assistant in Zoology, one year from August 1, 1962, $5,200 (8-24-62).

FOREESTER, ROBERT A., Instructor in Architecture, academic year beginning September 1, 1962, $6,000 (7-11-62).

FOX, ROBERT P., Instructor in English, academic year beginning September 1, 1962, $6,200 (7-3-62).

FRAIL, CATHERINE, Assistant, Counseling in the Student Counseling Service, one year from September 1, 1962, $5,300 (8-16-62).

FREEDMAN, MARVIN, Instructor in Psychiatry (Medicine), one year from July 1, 1962, without salary (7-9-62).

FRIEDLANDER, ROBERT A., Instructor in History, academic year beginning September 1, 1962, $6,000 (7-3-62).

FRIEND, GEORGE L., Assistant in English, nine months from September 16, 1962, $4,000 (8-8-62).

FUJII, TOZO, Research Associate in Chemistry, October 1, 1962-September 30, 1963, $6,000 (6-11-62).

FULLER, GERALD R., Instructor in Agricultural Education, one year from September 1, 1962, $8,800 (8-21-62).

FUMENTO, ROCCO L., Assistant Professor of English, Summer Session of 1962, June 18-August 11, 1962, $1,445, supersedes previous Summer Session appointment (7-13-62).

GADDY, OSCAR, Research Assistant Professor of Electrical Engineering (S), three months from June 1, 1962, $791.67 a month, supersedes (7-27-62) and one year from September 1, 1962, $9,500 (8-14-62).

GAYDES, GLEN E., Instructor in Physical Science (Division of General Studies), academic year beginning September 1, 1962, $6,000, supersedes (7-30-62).

GALBRAITH, ROBERT L., Associate Professor of Textiles (Home Economics) (C and S), indefinite tenure from September 1, 1962, $12,000 a year, supersedes (7-30-62).

GANS, MRS. REXA, Research Assistant in the State Water Survey, one year from July 1, 1962, $5,400 (7-9-62).

GARDNER, JEANNE C., Instructor in Mathematics (Chemistry) (Pharmacy), academic year beginning September 1, 1962, $5,400 (7-9-62).

GEOHIEGAN, PATRICK M., Assistant in English, nine months from September 16, 1962, $4,000 (8-14-62).

GEYER, WAYNE A., Research Associate in Forestry (S), August 1, 1962-August 31, 1963, $6,000 a year (8-1-62).

GIBSON, ANNE F., Resident Assistant, Allen Hall (South), ten months from September 1, 1962, $1,600; for the convenience of the University she will also receive an apartment and meals (7-16-62).

GIESELMAN, ROBERT D., Instructor in English, Summer Session of 1962, 1/2 time, June 18-August 11, 1962, $534 (7-9-62).

GILVYDIS, ANTHONY A., Research Assistant in the Digital Computer Laboratory, August 16-September 15, 1962, $444.44 a month (8-3-62).

GOSBREL, MRS. GERTRUDE G., Assistant in Home Economics (C), nine months from September 16, 1962, $4,100 (8-27-62).

GOETZ, IRA, Instructor in Russian, academic year beginning September 1, 1962, $6,000 (7-6-62).

GOLAND, PHILIP, Research Associate in Orthodontics (Dentistry), July 1, 1962-March 31, 1963, $625 a month (7-9-62).

GOLDBERG, SAMUEL L., Associate Professor of Mathematics, two months from July 1, 1962, $2,333.33 (additional and superseding) (7-9-62).

GOLDEN, BERNARD, Research Assistant in Anthropology (College of Liberal Arts and Sciences and College of Engineering), three months from June 16, 1962, $1,500 (7-16-62).

GOLDING, SANFORD, Assistant Professor of English, Summer Session of 1962, 1/2 time, June 18-August 11, 1962, $745 (7-9-62).

GOLDSTEIN, LADISLAS, Professor of Electrical Engineering (C), one month from June 16, 1962, $2,077.77 (superseding and additional) (7-20-62).

GOMOLL, ALLEN W., Assistant Professor of Pharmacology (Medicine), academic year beginning September 1, 1962, $8,500 (7-30-62).
Gossling, Mrs. Jennifer, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), July 1, 1962-August 31, 1963, $5,100 a year (7-27-62).

Gottlieb, Carla, Associate Professor of Art, two years from September 1, 1962, to render service during each academic year, $9,500 a year (7-12-62).

Gottlieb, Daniel H., Instructor in Mathematics, academic year beginning September 1, 1962, $7,000 (8-14-62).

Graff, George C., Research Assistant in Mathematics, two months from June 16, 1962, $890 (7-11-62).

Granirer, Edmond E., Instructor in Mathematics, academic year beginning September 1, 1962, $7,000 (8-14-62).

Graves, Charles N., Research Associate in Dairy Science (S), one year from September 1, 1962, $7,000, supersedes (8-8-62).

Grice, Elaine W., Research Assistant in the Statistical Service Unit, July 3-August 31, 1962, $408.33 a month (8-8-62).

Grinnell, Mrs. Eleanor E., Head Resident, Evans Hall, ten months from September 1, 1962, $4,700; for the convenience of the University she will also receive board and room valued at $31 a month (8-3-62).

Grott, Thomas W., Assistant in English, nine months from September 16, 1962, $4,000 (8-8-62).

Gruener, Raphael P., Research Assistant in the School of Life Sciences, June 16-August 31, 1962, $444.44 a month (7-16-62).

Guback, Thomas H., Research Assistant in the Institute of Communications Research, nine months from September 16, 1962, $4,000 (7-30-62).

Guckel, Mrs. Mary A. V., Instructor in German, academic year beginning September 1, 1962, $5,800 (8-21-62).

Gulley, Halden R., Professor of Speech, 1/2 time, indefinite tenure, to render service during each academic year, and Acting Head of Division of General Studies, 1/2 time, academic year, beginning September 1, 1962, $11,000 a year; and Professor of Speech, indefinite tenure from September 1, 1963, to render service during each academic year, $10,500 a year (7-25-62).

Gunther, Frank E., Instructor in Art, academic year beginning September 1, 1962, $6,500 (7-30-62).

Gurack, Carol S., Instructor in English (Chicago Undergraduate Division), 1/4 time, academic year beginning September 1, 1962, $1,300 (7-9-62).

Guy, Osmond S., Instructor in Art, academic year beginning September 1, 1962, $5,900 (7-30-62).

Hadder, John C., Assistant Professor of Biological Sciences (Chicago Undergraduate Division), August 10-31, 1962, $459 (8-1-62).

Hale, Benjamin M., Assistant Professor of Preventive Medicine and Acting Coordinator in the Rehabilitation Center (Medicine), 1/4 time, July 1, 1962-August 31, 1963, $12,800 a year (8-3-62).

Hale, William T., Research Associate in Education (University High School), academic year beginning September 1, 1962, $9,000 (6-27-62).

Hamilton, Jean A., Research Associate in Chemistry, one year from September 1, 1962, $6,200 (8-27-62).

Hamilton, Robert C., Instructor in Orthopaedic Surgery (Medicine) and Orthopaedist in the Division of Services for Crippled Children, July 1, 1962-August 31, 1963, $10,000 a year (8-3-62).

Hamilton, Tom S., Administrative Secretary of North Central Agricultural Experiment Station Directors, 1/2 time, one year from September 1, 1962, $7,800 (8-14-62).

Harper, Anne Y., Research Assistant in the Bureau of Economic and Business Research, one year from September 1, 1962, $5,200 (8-14-62).

Harper, James A., Project Assistant in the State Natural History Survey, two months from July 1, 1962, $490 a month, supersedes (7-9-62).

Harrison, Lucille, Assistant in the College of Nursing, one year from September 1, 1962, $6,000 (7-30-62).

Hart, Alice G., Assistant Professor of Mathematics, three months from June 16, 1962, $2,068; this is in addition to her present appointment (7-9-62).
HARTLEY, THOMAS C., Associate Professor of General Engineering (Civil Engineering) (E), one month from June 16, 1962, $911.11 (additional and superseding) (8-1-62).

HARUMI, ICEHIO, Research Associate in Microbiology, September 16, 1962-August 31, 1963, $6,700 a year (8-16-62).

HASHIMOTO, MANTARO, Research Associate in Linguistics, one year from September 1, 1962, $5,850 (6-5-62).


HATCH, GAYLORD F., Assistant Dean of Men, one year from September 1, 1962, $6,800, supersedes (8-21-62).

HATFIELD, WILLIAM E., Research Associate in Chemistry, one year from September 1, 1962, $6,100, supersedes (8-8-62).

HAUCK, MATHEW, Research Associate in the Bureau of Economic and Business Research, one year from September 1, 1962, $8,500 (8-14-62).

HAWKINS, HELEN A., Head Resident and Coordinator (Women's), Pennsylvania Avenue Residence Hall, ten months from September 1, 1962, $5,000; for the convenience of the University she will receive board and room valued at $31 a month (7-3-62).

HAYASHI, MASAKI, Research Associate in Microbiology, June 16, 1962-August 31, 1963, $6,000 a year (7-3-62).

HEAGARTY, MARY A., Assistant in English, nine months from September 16, 1962, $4,400, supersedes (8-8-62).

HEALY, JAMES H., Research Associate in Mechanical Engineering (C), one year from September 1, 1962, $7,700, supersedes (8-6-62).

HEFFINGTON, MARVIN D., Supervisor of Division of Intramural Activities, with rank of Assistant in Physical Education for Men, nine months from September 16, 1962, $6,150 (8-2-62).

HEINS, MAURICE H., Professor of Mathematics, July 1, 1962-September 15, 1962, $4,333.33; this is in addition to his present appointment (8-1-62).

HEINS, ROBERT W., Assistant in the Institute of Aviation, nine months from September 16, 1962, $4,000 (8-27-62).

HENDERSON, CLAYTON W., JR., Instructor in Music, academic year beginning September 1, 1962, $6,500 (7-3-62).

HENNE, BERTRAND W., Assistant in the Institute of Aviation, nine months from September 16, 1962, $475 a month (8-8-62).

HERZOG, ELAINE P., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 18, 1962, $1,334, supersedes previous Summer Session appointment (7-20-62).

HIRONO, YOSIO, Research Associate in Physical Metallurgy (C), one year from September 1, 1962, $8,200 (6-27-62).


HILL, DIERICH A., Assistant Professor of Speech, academic year beginning September 1, 1962, $7,200 (8-14-62).

HILU, HALIM M., Research Associate in Plant Pathology (S), July 1, 1962-August 31, 1963, $6,500 a year (8-3-62).

HIRAI, KENJI, Research Associate in the Aeromedical Laboratory (Medical Center), one year from September 1, 1962, $5,500 (6-18-62).

HIRSCH, JERRY, Associate Professor of Psychology, indefinite tenure from September 1, 1962, $9,550; September 1, 1962-February 28, 1963, on ½ time, $3,813.95; and leave of absence, without pay, March 1-August 31, 1963, supersedes (8-8-62).
HODGE, ROBERT W., Visiting Lecturer in Sociology (Chicago Undergraduate Division), Summer Session of 1962, June 22-August 18, 1962, $1,200 (7-17-62).

HOPFMAN, RICHARD L., Instructor in Histology (Dentistry), ½ time, one year from September 1, 1962, $3,650 (8-8-62).

HOFFMANN, JOSEPH R., Research Associate in Education (University High School) and in the Control Systems Laboratory, academic year beginning September 1, 1962, $8,100 (7-9-62).

HOFFMANN, WILMA, Instructor in Foreign Languages (Chicago Undergraduate Division), academic year beginning September 1, 1962, $3,650 (8-1-62).


HOGAN, JAMES J., Instructor in Electrical Engineering, ½ time, one year from September 1, 1962, $4,500, supersedes (8-1-62).

HOGG, MRS. LORETTA A., Research Assistant in Microbiology, July 1-September 15, 1962, $1,111.10 (7-16-62).

HONMA, TOHIO, Research Associate in Physical Metallurgy, one year from September 1, 1962, $8,000 (6-27-62).

HORNE, EDGAR R., Research Associate in Education (University High School), ½ time, June 16-August 11, 1962, $667; and on ½ time for the academic year beginning September 1, 1962, $3,500 (7-9-62).

HUNDIN, CHARLES L., Assistant Professor of Psychology, one month from August 1, 1962, $708.33 (8-1-62).

HUNT, J. McV., Professor of Psychology, June 16-30, 1962, $833.33 (additional); and one year from July 1, 1962, $19,250, and beginning September 1, 1963, on indefinite tenure, to render service during each academic year, $15,500 a year, supersedes (7-9-62).

HUTCHINSON, DAVID, Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, $5,850 (6-11-62).

HUTTON, ROGER S., Assistant in General Engineering, one year from September 16, 1962, $6,200 (8-14-62).

ICHIMARU, SETSUO, Research Associate in Physics (C), two months from July 1, 1962, $600 a month; and one year from September 1, 1962, $7,200 (7-20-62).

IBA, MASAKUNI, Research Associate in Physics (C), one year from September 1, 1962, $7,500 (6-27-62).

IJAMS, KARL F., Assistant Dean of Men, one year from September 1, 1962, $6,400 (8-14-62).

INGLE, JOHN, Research Associate in Plant Physiology (Agriculture), one year from September 1, 1962, $6,500, supersedes (8-27-62).

IRWIN, MRS. JOAN E., University High School Librarian, with rank of Instructor, one year from September 1, 1962, $6,400 (8-14-62).

JACKSON, MARIAN J., Instructor in Home Economics 4-H Club Work (E), one year from September 1, 1962, $7,200 (8-16-62).

JACOB, MONIQUE, Research Associate in Microbiology, one year from September 1, 1962, $6,000 (8-8-62).

JACOBSON, ALBERT S., Research Associate in Education (University High School), nine months from September 16, 1962, without salary (8-6-62).

JAROSCH, HANS S., Visiting Research Associate in the Digital Computer Laboratory, nine months from September 16, 1962, $6,500 (7-9-62).

JASPER, ELMER A., Professor of Applied Materia Medica and Therapeutics (Dentistry), ½ time, indefinite tenure from September 1, 1962, $7,740 (7-9-62).

JENKINS, FRANKL., Research Assistant in Mathematics, two months from June 16, 1962, $889 (7-9-62).

JOHNSON, HUNTER, Visiting Composer of Music, nine months from September 16, 1962, $7,800 (7-3-62).

JOHNSON, PETER, Visiting Lecturer in Chemistry, eleven months from October 1, 1962, $6,500 a year (7-30-62).
JOHNSTON, Su ANN K., Assistant Extension Editor (E), one year from September 1, 1962, $5,000 (8-21-62).

JONES, ROBERT E., Lecturer in Psychology, with rank of Associate Professor, one year from September 1, 1962, without salary (8-29-62).


JORDAN, LAURA J., Assistant Professor of Education, one year from September 1, 1962, $9,050 (8-14-62).


JOSELYN, GEORGE E., Research Assistant in the State Natural History Survey, two months from July 1, 1962, $450 a month, supersedes (7-9-62).

KASS, CORRINE E., Research Assistant Professor in the Institute for Research on Exceptional Children, one year from September 1, 1962, $8,300 (7-9-62).

KATHAN, RALPH, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1962, $11,000, supersedes (8-29-62).

KEITH, WALTER M., Professor of Landscape Architecture, Small Homes Council-Building Research Council, two months from July 1, 1962, $2,578; this is in addition to his present appointment (7-25-62).

KELLER, NAOMI, Resident Assistant, Allen Hall (South), ten months from September 1, 1962, $1,600; for the convenience of the University she will receive an apartment and meals (8-21-62).

KELLER, ROY J., Counselor on the University Council on Teacher Education, 1/2 time, Instructor in Physical Education for Men, 1/4 time, and Counselor in the Student Counseling Service, 1/4 time, academic year beginning September 1, 1962, $6,000, supersedes (8-21-62).

KELLY, J. ROBERT, Associate Professor of Music, Summer Session of 1962, June 18-August 11, 1962, $2,089, supersedes previous Summer Session appointment (7-9-62).

KESLER, CLYDE E., Professor of Civil Engineering and of Theoretical and Applied Mechanics (C and S), indefinite tenure from September 1, 1962, to render service during each academic year, $11,700 a year, supersedes (7-31-62).

KILBRIDE, BERNARD J., Assistant Professor of Finance, academic year beginning September 1, 1962, $8,000, supersedes (8-3-62).

KILLIAN, PAULETTA L., Research Assistant in Chemistry, two months from July 1, 1962, $900 (7-25-62).

KIMBROUGH, JOE A., Assistant in English, nine months from September 16, 1962, $4,200, supersedes (8-8-62).

KINSEY, PHILIP A., Kettering Visiting Lecturer in Chemistry, nine months from September 16, 1962, $8,500 (7-30-62).

KIRSCH, JUDITH E., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, $4,200 (7-3-62).

KISTNER, ARTHUR L., Assistant in English, nine months from September 16, 1962, $4,400, supersedes (8-8-62).
KITSON, JOHN W., Instructor in Advertising (College of Journalism and Communications), ½ time, academic year beginning September 1, 1962, $2,500 (8-15-62).

KLASSEN, FRANK H., Assistant Professor of Education, academic year beginning September 1, 1962, $8,000 (8-21-62).

KLEIN, MILES V., Assistant Professor of Physics (C), academic year beginning September 1, 1962, $7,500 (7-30-62).

KNIES, EARL A., Assistant in English, nine months from September 16, 1962, $4,200 (8-8-62).

KNIGHT, WANDA J., Instructor in Textiles and Clothing (Home Economics) (C), academic year beginning September 1, 1962, $5,400 (8-6-62).

KOBIAN, CHARLES, Assistant in English, nine months from September 16, 1962, $4,400, supersedes (8-8-62).

KOCH, GERDA E., Instructor in Physical Education for Women, academic year beginning September 1, 1962, $6,600 (7-11-62).

KONITZKI, JOSEPH F., Assistant to the Director, with rank of Instructor, in the Student Rehabilitation Center (College of Physical Education), June 15-August 31, 1962, $666.67 a month (7-9-62).


KOZIJ, VERA M., Research Assistant in Medicine (Medicine), one year from September 1, 1962, $5,500 (7-30-62).

KRUSE, ULRICH E., Associate Professor of Physics (C), two months from June 16, 1962, $1,088.88 a month; this is in addition to his present appointment (7-16-62).

KYSAR, JOHN E., Instructor in Hygiene and Psychiatrist in the Health Service (Chicago Undergraduate Division), ½ time, academic year beginning September 1, 1962, $13,500; and beginning September 1, 1963, on indefinite tenure, to render service during each academic year, $11,200 a year (7-13-62).

LAYTON, LESLIE L., Project Assistant in the State Natural History Survey, two months from July 1, 1962, $4,400 a year, supersedes; and Project Assistant in Aquatic Biology, State Natural History Survey, one year from September 1, 1962, $4,400, supersedes (8-14-62).

LAZAR, RICHARD O., Instructor in Marketing (Chicago Undergraduate Division), ¾ time, academic year beginning September 1, 1962, $3,900 (8-14-62).

LEE, MERLIN R., Research Associate in the School of Life Sciences, Natural History Museum, one year from September 1, 1962, $7,600 (7-30-62).
LeGall, Jean, Research Associate in Chemistry, one year from September 1, 1962, $6,000 (8-6-62).
Lehman, Frederic K., Research Associate in Anthropology, two months from July 1, 1962, $1,444.44 (7-27-62).
Lehmann, John R., Instructor in Electrical Engineering (C), ¾ time, academic year beginning September 1, 1962, $4,800, supersedes (7-30-62).
Leining, Judith M., Research Assistant in Chemistry, one year from September 1, 1962, $5,800 (7-3-62).
Leonard, Irving, Instructor in Dentistry (Dentistry), ½ time, one year from September 1, 1962, $4,350, supersedes (8-14-62).
LeSEMANN, Ralph F., Professor of Law, on indefinite tenure, and Special Counsel, on 45/100 time, six months from September 1, 1962, $9,900 a year, supersedes (9-7-62).
Levy, Lucretia, Instructor in Mathematics, 42/100 time, academic year beginning September 1, 1962, $2,925 (8-29-62).
LeWIS, Ernest, Instructor in Audiology (Otolaryngology) (Medicine), one year from September 1, 1962, $4,400, supersedes (8-8-62).
Li, Tien En, Research Associate in Agricultural Economics (S), July 1, 1962-August 31, 1963, $5,850 a year (7-20-62).
Liddle, Larry B., Assistant in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, $4,400 (8-14-62).
Lindley, David H., Research Associate in Physics (C), one year from September 1, 1962, $7,500 (6-27-62).
Lister, James L., Research Associate in Education, two months from June 16, 1962, $1,200; this is in addition to his present appointment (7-9-62).
Liston, Phyllis, Assistant in English, nine months from September 16, 1962, $4,000 (8-8-62).
Litterick, Mrs. Elizabeth M., Resident Assistant, Pine Hall, ten months from September 1, 1962, $1,600; for the convenience of the University she will receive an apartment and meals (8-21-62).
Littlewood, John M., Bibliographer in the Library, with rank of Instructor, one year from September 1, 1962, $6,000 (6-27-62).
Loftiss, E. Walter, Assistant in Speech and Theatre, nine months from September 16, 1962, $4,000 (7-3-62).
Logan, John F., Instructor in Philosophy, academic year beginning September 1, 1962, $6,500 (7-30-62).
Lolans, Valentina T., Research Assistant in Medicine (Medicine), one year from September 1, 1962, $5,400 (6-18-62).
Lopez-Belio, Mariano, Clinical Assistant Professor of Surgery (Medicine), ¼ time, one year from July 1, 1962, $2,160, supersedes (7-11-62).
Lu, Chin-Pi, Instructor in Mathematics, academic year beginning September 1, 1962, $7,200 (8-16-62).
Lukas, Ruta O., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1962, $4,600 (8-1-62).
Lustig, Noel, Instructor in Psychiatry (Medicine), one year from July 1, 1962, without salary (7-31-62).
Lyman, Mrs. Elisabeth R., Research Assistant Professor in the Coordinated Science Laboratory (C), ¾ time, one year from September 1, 1962, $5,963, supersedes (8-29-62).
MacNamara, Patricia E., Head Resident, Lincoln Avenue Residence (North), ten months from September 1, 1962, $4,700; for the convenience of the University she will also receive an apartment and meals, valued at $31 a month (7-2-62).
Madenberg, Fred, Assistant Professor of Hygiene and Medical Adviser for Men in the Health Service (Chicago Undergraduate Division), ¼ time, one year from September 1, 1962, $3,000, supersedes (8-8-62).
Madsen, Albert G., Research Associate in Marketing (Agricultural Economics) (S), one year from September 1, 1962, $8,500 (8-14-62).
Mansfield, Peter, Research Associate in Physics (C), eleven months from October 1, 1962, $7,500 a year (8-21-62).
Martin, Alan D., Research Associate in Physics (C), one year from September 1, 1962, $7,200 (7-30-62).
MARTIN-TRIGONA, HELEN, Assistant in Speech and Theatre, nine months from September 16, 1962, $4,000 (7-3-62).

MATHIEU, JEAN M., Research Assistant in Entomology, two months from July 16, 1962, $888.88 (8-21-62).

MATTHEW, MAX R., Associate Professor of Zoology, ½ time, indefinite tenure, and Assistant Dean of the College of Liberal Arts and Sciences, ½ time, one year, to render service during each academic year from September 1, 1962, $9,500 a year, supersedes (7-31-62).

MATZ, DETLEF, Research Associate in Physics (C), one year from September 1, 1962, $7,500 (7-2-62).

MAURICE, CHARLES G., Professor of Applied Materia Medica and Therapeutics (Dentistry), 7/10 time, indefinite tenure from September 1, 1962, $10,850 a year (7-9-62).

MCCABE, NANCIE M., Research Assistant in Chemistry, one year from September 1, 1962, $6,000 (8-8-62).

MCCORMICK, DONALD, Research Assistant Professor of Education (University High School), academic year beginning September 1, 1962, $10,500 (6-27-62).

MCLEOD, EDWARD, Research Assistant Professor of Education (University High School), academic year beginning September 1, 1962, $13,000; and Professor of Humanities and Head of the Division of General Studies, indefinite tenure from September 1, 1963, to render service during each academic year, $13,000 a year, supersedes (8-6-62).

MCFARLAND, NORMAN T., Assistant Professor of Art, ½ time, academic year from September 1, 1962, $7,000 (7-24-62).

MCCARTHY, ROBERT J., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, $4,800 (8-1-62).

McCullough, ROBERT M., Instructor in the Peace Corps Training Office, August 16-31, 1962, $361.11; this is in addition to his present appointment (8-8-62).

McCoy, M. ELEANOR, Research Assistant Professor of Education (University High School), academic year beginning September 1, 1962, $10,500 (6-27-62).

MCINTOSH, JAMES M., Professor of Humanities and of Education (University High School), academic year beginning September 1, 1962, $13,000; and Professor of Humanities and Head of the Division of General Studies, indefinite tenure from September 1, 1963, to render service during each academic year, $13,000 a year, supersedes (8-6-62).

McDonald, JAMES H., Associate Professor of Urology (Surgery) (Medicine), 55/100 time, indefinite tenure from September 1, 1962, $8,660 a year (7-17-62).

MCELROY, DONALD, Associate Professor of Patient Admissions (Dentistry), ½ time, indefinite tenure from September 1, 1962, $5,300 a year (6-18-62).

McFarland, NORMAN T., Assistant Professor of Art, ½ time, academic year from September 1, 1962, $7,000 (7-24-62).

McFATE, PATRICIA A., Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, $2,600 (8-14-62).

McGUIRE, (Miss) DOUGLAS, Counselor in the Student Counseling Service, ½ time, July 1-18, 1962, $446 (7-9-62).

McMULLEN, CARL W., Research Assistant in Biological Chemistry (Medicine), June 15-August 31, 1962, $408.33 a month, supersedes (7-9-62).


MEARA, NAOMI M., Head Resident, Pennsylvania Avenue Residence Hall, ten months from September 1, 1962, $4,600; for the convenience of the University she will be furnished room and board, valued at $31 a month (5-31-62).

MELVIN, JOHN W., Instructor in Theoretical and Applied Mechanics (C), ½ time, academic year beginning September 1, 1962, $2,850 (7-2-62).

MERKEL, HENRY, Instructor in Electrical Engineering (C), ½ time, academic year beginning September 1, 1962, $2,400 (8-3-62).

MERRITZ, HOWARD A., Mathematics Librarian in the Library, with rank of Instructor, one year from September 1, 1962, $6,500 (6-22-62).

MICHEL, PIERRE E. J., Visiting Lecturer in English, academic year beginning September 1, 1962, $5,900 (7-9-62).


MILCH, JOSEPH E., Assistant in English, nine months from September 16, 1962, $4,400 (8-8-62).

MIRON, MURRAY S., Research Assistant Professor in the Institute of Communications Research (College of Journalism and Communications), two months from June 16, 1962, $1,666.66; this is in addition to his present appointment (7-17-62).
MITCHELL, JUNE D., Assistant to the Dean of Women, one month from July 1, 1962, $500 (6-11-62); and Head Resident, Lincoln Avenue Residence (South), ten months from September 1, 1962, $4,800; for the convenience of the University she will also receive board and room, valued at $31 a month (8-3-62).

MIYASHIRO, JANE Y., Research Associate in Education (University High School), ½ time, academic year beginning September 1, 1962, $3,000 (6-27-62).

MIZUNO, HIROYUKI, Research Associate in Physics (C), one year from September 1, 1962, $8,500 (6-27-62).

MONTGOMERY, GERALD G., Research Associate in the State Natural History Survey, two months from July 1, 1962, $520 a month, supersedes (7-9-62).

MORCH, ERNST T., Clinical Professor of Anesthesiology (Surgery) (Medicine), indefinite tenure, from July 1, 1962, without salary (7-9-62).

MORGAN, MARTHA A., Research Associate in Education, academic year beginning September 1, 1962, $6,800 (7-30-62).

MOSCATI, GIORGIO, Research Associate in Physics (C), eight months from January 1, 1963, $7,200 a year (7-11-62).

MOTO-OKA, TOHRU, Visiting Research Assistant Professor in the Digital Computer Laboratory, nine months from September 16, 1962, $8,500 (7-9-62).

MOWAT, BRUCE, Instructor in Operative Dentistry (Dentistry), ½ time, one year from September 1, 1962, $4,500 (7-17-62).

MOYER, FRED D., Instructor in Architecture, academic year beginning September 1, 1962, $6,500, supersedes (8-18-62).

MUNSON, KARL F., Instructor in Rural Extension Recreation (E), ½ time, July 1, 1962-August 31, 1963, $3,900 a year (7-9-62).

MURAYAMA, SATOSHI, Research Associate in Pharmacology (Medicine), one year from September 1, 1962, $7,500, supersedes (7-30-62).

MYLAN, CHARLES, Clinical Assistant Professor of Psychiatry (Medicine), July 1, 1962-August 31, 1963, without salary (7-27-62).

NAGURA, IRENE, Instructor in Russian, academic year beginning September 1, 1962, $6,600 (7-3-62).

NAGURA, SATOSHI, Research Associate in Pharmacology (Medicine), one year from September 1, 1962, $7,500, supersedes (7-30-62).

NATIONAL, CHARLES, Research Associate in the Digital Computer Laboratory, one month from August 16, 1962, $722.22; this is in addition to his present appointment (8-29-62); and nine months from September 16, 1962, $7,000 (7-13-62).

NELSON, WILLARD O., Professor of Bacteriology (Dairy Science) (C and S), indefinite tenure from September 1, 1962, $15,500 a year; and Senior Member in the Center for Zoonesis Research (College of Veterinary Medicine), indefinite tenure from September 1, 1962, supersedes (8-21-62).

NEUFELDT, LEONARD N., Research Assistant in English, one month from July 1, 1962, $445 (7-25-62).

NEUMANN, LORENA, Instructor in Home Economics, and Assistant Editor, with rank of Instructor (C and E), two months from July 1, 1962, $341.67 a month, supersedes (8-3-62); and Assistant Editor in Agricultural Administration, with rank of Instructor (S), ½ time, one year from September 1, 1962, $3,400 (7-30-62).

NEWELL, JOHN T., Assistant Director of the University Honors Programs (Chicago Undergraduate Division), ½ time, June 22-August 17, 1962, $390; this is in addition to his Summer Session appointment (7-31-62).

NICOLSON, LEWIS E., Visiting Lecturer in English, academic year beginning September 1, 1962, $8,500 (8-8-62).

NIEVERGEIT, JURG, Research Assistant in the Digital Computer Laboratory, two months from July 16, 1962, $933.34 (7-9-62).

NOGAMI, KAZUO, Research Associate in the Digital Computer Laboratory, one month from August 16, 1962, $846.15; this is in addition to his present appointment (8-29-62); and nine months from September 16, 1962, $7,000 (7-13-62).

NISHIDA, TOSHIRO, Associate Professor of Food Technology (S), one year from September 1, 1962, $10,000 (7-20-62).
NISONOFF, ALFRED, Professor of Microbiology, indefinite tenure from July 1, 1962, $16,590 a year, supersedes (8-24-62).

NTALLIANAS, H. A., Research Associate in Food Technology (S), one year from September 1, 1962, $7,500 (8-3-62).

OFFER, DWIGHT E., Assistant in the Institute of Aviation, nine months from September 16, 1962, $450 a month (8-8-62).

OLSON, LAWRENCE W., Assistant Professor of Speech and Theatre, Summer Session of 1962, June 18-August 11, 1962, $1,689, supersedes previous Summer Session appointment (7-13-62).

ONANIAN, EDWARD D., Research Associate in the Bureau of Economic and Business Research, 1/2 time, five months from September 1, 1962, $1,330 (7-17-62).

ORLUND, GEORGE H., Research Associate in Mathematics, August 16-31, 1962, $416.66; and Instructor in Mathematics, academic year beginning September 1, 1962, $7,500 (8-21-62).

OTSUKI, SABURO, Research Associate in Psychiatry (Medicine), two months from September 1, 1962, $583.33 a month (7-9-62).

PAGE, THOMAS, Associate Professor in the Department of Political Science and in Institute of Government and Public Affairs, 2/3 time, $2,204; and Project Director of Peace Corps Training Office, 1/2 time, $1,102, February 1-May 15, 1962; and Project Director of Peace Corps Training Office, full time, May 16-June 15, 1962, $944, and full time, June 16-August 31, 1962, $2,361 (addition to present appointment) (7-17-62); and Consultant for Evaluation in Peace Corps, September 1-December 15, 1962, $3,540; and Associate Professor in the Institute of Government and Public Affairs, 1/2 time, $3,370, and of Political Science, 1/2 time, $1,685, from January 16-June 15, 1963; on leave of absence, without salary, December 16, 1962-January 15, 1963 (8-21-62).

PAPADEMOS, JOHN N., Assistant Professor of Physics (Chicago Undergraduate Division), 1/2 time, academic year beginning September 1, 1962, $5,200, supersedes (7-30-62).


PATOLOGAN, SYLVIA, Instructor in Foreign Languages (Chicago Undergraduate Division), 1/2 time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, $2,475 (7-9-62).

PATTERSON, HARLAN R., Instructor in Finance, academic year beginning September 1, 1962, $7,500 (7-31-62).

PATTISON, JEFFREY, Research Associate in Chemistry, one year from November 1, 1962, $5,850 (6-11-62).

PAWLIK, KURT, Research Associate in Psychology, 1/2 time, one month from September 1, 1962, $350 (7-2-62).

PENHOLLOW, JOHN O., Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1962, $7,500 (7-3-62).

PENNIMAN, MARIAN V., Research Associate in the Institute for Research on Exceptional Children, July 1, 1962-August 31, 1963, $7,000 a year (7-16-62).

PERKINS, EDWARD G., Assistant Professor of Food Technology (S), two months from July 1, 1962, $833.33 a month, supersedes (8-1-62).

PERLMUTTER, DANIEL D., Assistant Professor of Chemistry and Chemical Engineering, Summer Session of 1962, 1/2 time, June 18-August 11, 1962, $912, supersedes previous Summer Session appointment; and Assistant Professor of Chemical Engineering (S), 1/2 time, two months from June 16, 1962, $911 (7-9-62).

PERRY, HAROLD J., Visiting Lecturer in English, academic year beginning September 1, 1962, $10,700 (8-8-62).
Pfelderer, Marilyn R., Instructor in Music, 83/100 time, and Counselor on the University Council on Teacher Education, 17/100 time, academic year beginning September 1, 1962, $7,400 (7-2-62).

Phillipe, Mrs. Irene L., Serials Reviser in the Library, with rank of Instructor, one year from September 1, 1962, $6,800 (6-27-62).

Phillips, Thomas N., Assistant Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), one year from September 1, 1962, $10,000, supersedes (8-15-62).

Philips, Mrs. Dorothy B., Assistant in Physical Education for Women, nine months from September 16, 1962, $5,400 (7-30-62).

Phillips, MRS. DOROTHY B., Assistant in Physical Education for Women, nine months from September 16, 1962, $5,400 (7-30-62).

Pogue, Doris J., Assistant in English, nine months from September 16, 1962, $4,000 (6-18-62).

Porter, James A., Instructor in Veterinary Extension (Veterinary Pathology and Hygiene) (College of Veterinary Medicine and Cooperative Extension Service in Agriculture and Home Economics), August 1, 1962-August 31, 1963, $9,000 a year (8-3-62).

Porter, Laurellen, Head Resident, Taft House, ten months from September 1, 1962, $4,600; for the convenience of the University, she will also receive a single room and meals (7-30-62).

Pranger, Robert J., Assistant Professor in the Peace Corps Training Office, August 16-31, 1962, $388.89; this is in addition to his present appointment (8-8-62).

Pugsley, James H., Instructor in Electrical Engineering (C), 3/4 time, academic year beginning September 1, 1962, $4,200, supersedes (7-30-62).

Pundt, Herman G., Instructor in Architecture, September 1, 1962-February 28, 1963, to render service during first semester of the academic year, $541.66 a month (8-3-62).

Pyle, Ronald J., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), one year from September 1, 1962, $6,500 (7-3-62).

Rabi, Maurice, Instructor in Ophthalmology (Medicine), 1/2 time, one year from September 1, 1962, $5,760 (8-8-62).

Raetzman, Barbara L., Assistant in Occupational Therapy (Medicine), July 2, 1962-August 31, 1963, $6,300 a year, supersedes (7-30-62).

Railsback, Ora L., Assistant to the Vice-President of the Chicago Undergraduate Division, two months from July 1, 1962, $2,889; this is in addition to his present appointment (7-31-62).


Ranga Rao, R., Instructor in Mathematics, academic year beginning September 1, 1962, $7,000 (8-21-62).

Rao, Pillarsiety J., Research Associate in the State Natural History Survey, 3/4 time, two months from July 1, 1962, $404.12 a month, supersedes (7-9-62).

Ray, Robert K., Instructor in Art, academic year beginning September 1, 1962, $6,000 (8-1-62).

Rayson, Glendon E., Assistant Professor of Hygiene and Medical Adviser for Men Health Service (Chicago Undergraduate Division), 1/2 time, one year from September 1, 1962, $7,800, supersedes (8-4-62).

Reed, Mary V., Assistant in English (Chicago Undergraduate Division), September 16, 1962-January 31, 1963, $2,400 (6-11-62).

Reese, William, Research Associate in Physics (C), one year from September 1, 1962, $7,500 (7-17-62).

Reizen, Michael, Research Associate in Physics (C), August 16-31, 1962, $625 a month; and one year from September 1, 1962, $7,500 (7-11-62).

Rieumer, George A., Assistant Professor of Geography (Chicago Undergraduate Division), academic year beginning September 1, 1962, $8,750, supersedes (8-14-62).

Ribeiro, Sergio T., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, $4,200 (7-3-62).

Rice, Sheila D., Instructor in Physical Education for Women, academic year beginning September 1, 1962, $6,500 (7-11-62).
RICHARDS, JOHN R., Research Associate in Chemistry, one year from September 1, 1962, $7,800 (7-9-62).
RIMAWI, WALID H., Assistant Professor of Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1962, $8,000 (9-4-62).
RITCHIE, MRS. FLORENCE, Head Resident, Van Doren House, ten months from September 1, 1962, $4,800; for the convenience of the University she will also receive room and meals (8-3-62).
RITTER, DIANE S., Assistant in Occupational Therapy (Medicine), one year from September 1, 1962, $6,000, superseded (8-29-62).
ROBB, SEWARD E., Research Assistant Professor of Management, two months from June 16, 1962, $1,067 (7-9-62).
ROBERG, NORMAN B., Professor of Medicine (Medicine), indefinite tenure from September 1, 1962, $20,000 a year (7-30-62).
ROBERTS, ELMER, Professor, Agricultural Administration (S), 36/100 time, seven months from February 1, 1962, $375 a month (7-9-62).
ROBINSON, DEREK W., Research Associate in Physics (C), one year from September 1, 1962, $7,500 (7-30-62).
ROEBER, ROBERT C., Instructor in Astronomy, academic year beginning September 1, 1962, $6,000 (8-8-62).
ROGERS, PHILIP E., Assistant in English, nine months from September 16, 1962, $4,000 (6-18-62).
ROGGE, WILLIAM M., Research Associate in Education (University High School), June 5-30, 1962, $800 a month, superseded (7-17-62); and one year from July 1, 1962, $9,600 (8-14-62).
ROSENKRANZ, WILBUR, Instructor in the Library, 1/2 time, one year from September 1, 1962, $2,500 (7-30-62).
ROUIFFA, ALBERT S., Research Professor of Biological Sciences (Chicago Undergraduate Division), 1/2 time, June 22-August 17, 1962, $1,245; this is in addition to his present appointment (7-16-62).
ROY, PRAHLDE, Instructor in Mathematics, 1/2 time, and in the Graduate College, 1/2 time, academic year beginning September 1, 1962, $7,200 (8-24-62).
RUPPEL, ROBERT W., Instructor in Music, academic year beginning September 1, 1962, $7,000 (7-3-62).
RUTLEDGE, ALBERT J., Instructor in City Planning and Landscape Architecture, academic year beginning September 1, 1962, $6,500 (7-30-62).
RUTTER, WILLIAM J., Research Associate Professor of Chemistry, two months from July 1, 1962, $2,445; this is in addition to his present appointment (8-27-62).
SAGI, MRS. ANA M. M., Assistant in French, nine months from September 16, 1962, $4,000 (7-30-62).
SAN, MICHAEL K., Instructor in Electrical Engineering (C), 1/2 time, academic year beginning September 1, 1962, $2,500; this is in addition to his appointment as Paul V. Galvin Teaching Fellow in Electrical Engineering (8-28-62).
SANWAL, JAGDISH C., Instructor in Mathematics, academic year beginning September 1, 1962, $7,600 (8-29-62).
SARLAS, SOPHIE H., Instructor in Art, academic year beginning September 1, 1962, $3,500 (8-14-62).
SASAGU, KENJI, Research Associate in Food Technology (C), one year from September 1, 1962, $5,850 (7-30-62).
SASSOON, MABEL I., Instructor in Medical Social Work (Medicine), July 2, 1962-August 31, 1963, $6,000 a year (7-9-62).
SATO, TADASHI, Research Associate in Chemistry, one year from September 1, 1962, $6,100 (7-30-62).
SATO, TAKEO, Research Associate in Chemistry, three months from September 1, 1962, $500 a month (5-31-62).
Savage, Jerome A., Instructor in Art, academic year beginning September 1, 1962, $5,700 (7-30-62).
Scheyer, Frederick D., Assistant in the Institute of Aviation, nine months from September 16, 1962, $465 a month (8-8-62).
Schechter, John M., Instructor in Electrical Engineering (S), one year from September 1, 1962, $6,000, supersedes (8-14-62).
Schobrich, William C., Assistant Professor of Civil Engineering (C and S), academic year beginning September 1, 1962, $8,100, supersedes (8-21-62).
Schultz, John E., Research Assistant in Chemistry, two months from June 16, 1962, $890, supersedes (7-9-62).
Schwalbe, Pauline S., Assistant Professor of German, Summer Session of 1962, ½ time, June 18-August 11, 1962, $778 (7-9-62).
Scoggins, James L., Assistant in English, nine months from September 16, 1962, $4,400, supersedes (8-8-62).
Sealy, Arthur P. E., Research Associate in Psychology, ½ time, one year from September 1, 1962, $5,500 (8-8-62).
Seltz, Frederick, Professor of Physics and Head of the Department (C), two months from July 1, 1962, $5,158; this is in addition to his present appointment (7-31-62).
Sen, Arun Kumar, Assistant Professor of Anesthesiology (Surgery) (Medicine), 9/10 time, two months from July 1, 1962, $755 a month, supersedes; and 9/10 time, one year from September 1, 1962, $11,250 (7-20-62).
Seubert, Burkhard, Assistant Professor of German, Summer Session of 1962, June 18-August 11, 1962, $1,378 (7-16-62).
Shackelford, Robert C., Instructor in Economics, academic year beginning September 1, 1962, $7,500 (7-11-62).
Shekelle, Richard B., Research Associate in Psychiatry (Medicine), one year from September 1, 1962, $9,000 (7-30-62).
Sherman, Michael A., Assistant in Physical Education for Men, nine months from September 16, 1962, $5,000 (8-14-62).
Shoulders, Betty K., Assistant Head Resident, Lincoln Avenue Residence, ten months from September 1, 1962, $4,800; for the convenience of the University she will also receive meals while on duty, valued at $21 a month (8-3-62).
Shuman, Frank H., Peace Corps Training Consultant, ½ time, two months from July 1, 1962, $210 a month, supersedes (7-17-62).
Sidney, Mary C., Instructor in English (Chicago Undergraduate Division), academic year beginning September 1, 1962, $5,600 (7-17-62).
Simmons, J. L., Instructor in Sociology, academic year beginning September 1, 1962, $6,500 (7-9-62).
Sine, Robert C., Assistant in Mathematics, two months from June 16, 1962, $889 (7-11-62).
Sinojara, Hyogo, Research Associate in Biological Chemistry (Medicine), one year from September 1, 1962, without salary (7-3-62).
Siskind, Mrs. Caroline C., Instructor in English (Chicago Undergraduate Division), ½ time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, $1,250 (7-30-62).
Skornia, Lorene M., Assistant to the Dean of Women, ½ time, nine months from September 16, 1962, $2,650 (8-29-62).
Skupskelis, Victoria, Instructor in French, academic year beginning September 1, 1962, $5,400 (7-31-62).
Slama, Lucien P., Visiting Research Associate in Electrical Engineering (S), one year from September 1, 1962, $7,200 (8-21-62).
Slanker, Mrs. Barbara O., Assistant Undergraduate Librarian, with rank of Instructor, one year from September 1, 1962, $6,300 (6-27-62).
Smith, Carol L., Assistant to the Dean of Women (Chicago Undergraduate Division), ½ time, one year from September 1, 1962, $3,000 (7-31-62).
Smith, George H., Jr., Instructor in Sociology (Social Sciences) (Chicago Undergraduate Division), ½ time, academic year beginning September 1, 1962, $3,600 (7-31-62).
Smith, Mrs. Harriet W., Geology Librarian, with rank of Instructor, one year from September 1, 1962, $6,500 (6-27-62).
SMITH, JACK L., Research Associate in Animal Science (S), 3/10 time, five months from February 1, 1962, $142.50 a month; this is in addition to his appointment as Post Doctoral Fellow (Trainee) in Animal Science (8-29-62).

SMITH, JAMES H., Professor of Physics (C), July 16-31, 1962, and September 1-15, 1962, $1,133.33; this is in addition to his present appointment (8-14-62).

SMITH, MRS. LUCILLE M., Instructor in Speech and Theatre, for the first semester of the academic year, September 1, 1962-February 28, 1963, $500 a month (7-30-62).

SMITH, RICHARD G., Assistant Reference Librarian, with rank of Instructor, one year from September 1, 1962, $7,150, supersedes (6-27-62).

SOLBERG, WINTON U., Associate Professor of History, indefinite tenure beginning September 1, 1962, to render service during each academic year, $12,000 a year (7-30-62).

SOZEN, METE A., Associate Professor of Civil Engineering (S), two months from June 16, 1962, $2,111.12 (additional and superseding) (7-16-62).

SPEAR, NORMAN E., Visiting Lecturer in Psychology (Chicago Undergraduate Division), Summer Session of 1962, 2/3 time, June 22-August 18, 1962, $950 (7-9-62).


STEIN, JAMES H., JR., Research Associate in the Digital Computer Laboratory, June 16-August 31, 1962, $1,111.10 (7-3-62).

STEWART, MRS. BEVERLY J., Undergraduate Library Assistant, one year from September 1, 1962, $5,400 (7-30-62).


STROUT, GLENN E., Research Associate in General Engineering (C), one year from September 1, 1962, without salary (8-15-62).

STRAIN, ROBERT J., Research Assistant in Electrical Engineering (S), one year from September 1, 1962, $5,900 (8-14-62).

STROBACH, DONALD R., Research Associate in Chemistry, one year from September 1, 1962, $6,000 (8-6-62).

STUEBNER, A., Clinical Assistant Professor of Surgery (Medicine), without salary, and Assistant Professor of Oral and Maxillofacial Surgery (Dentistry), $5,700, 3/4 time, one year from September 1, 1962, supersedes (8-29-62).

SWAIN, MERLE D., Assistant in the Institute of Aviation, nine months from September 16, 1962, $450 a month (8-21-62).
SWENSON, George, Professor of Electrical Engineering (C), and of Astronomy, two months from June 16, 1962, $1,444.44 a month (additional and superseding) (7-25-62).

SYSE, Sanford D., Instructor in Speech and Theatre, academic year beginning September 1, 1962, $5,800 (8-21-62).

TAGGER, Etty S., Research Assistant in Orthodontics (Dentistry), one year from September 1, 1962, $5,000 (7-31-62).

TASSO, Primo, Instructor in Medical Social Work (Medical Center), June 7-August 31, 1962, $5,850 a year, and one year from September 1, 1962, $6,150 (7-9-62).

TELLING, Mrs. Fern H., Head Resident, Cedar Hall, and Coordinator of Arbor Suites, ten months from September 1, 1962, $4,550; for the convenience of the University she will also receive board and room, valued at $31 a month (8-8-62).

TEMPEST, David W., Research Associate in Chemistry, one year from September 1, 1962, $5,850 (8-4-62).

THOMPSON, Marshall R., Research Assistant in Civil Engineering (C and S), nine months from September 16, 1962, $6,300 (7-30-62).


TICHENOR, Duane, Instructor in Industrial Education, 1/2 time, academic year beginning September 1, 1962, $3,000 (8-21-62).

TINKHAM, Robert A., Associate Professor of Industrial Education, July 15-August 11, 1962, $923; this is in addition to his present appointment (7-27-62).

TOLEDO, Ferdinand, Research Associate in Electrical Engineering (S), one year from September 1, 1962, $6,000 (8-21-62).

TOMASSON, Richard F., Assistant Professor of Sociology, two months from June 16, 1962, $1,600; this is in addition to his present appointment (7-9-62).

TOROK, Nicholas, Assistant Professor of Otolaryngology, 3/4 time, three months from June 1, 1962, $700 a month, supersedes (7-11-62); and Associate Professor of Otolaryngology (Medicine), 3/4 time, one year from September 1, 1962, $8,400 (8-1-62).

TRENKSKY, Paul I., Instructor in Russian, academic year beginning September 1, 1962, $6,500 (7-30-62).

TRIPPELT, Mary M., Assistant in English, nine months from September 16, 1962, $4,200 (8-8-62).

TROT, B. Dale, Research Associate in Metallurgical Engineering (C), 1/2 time, five months from September 1, 1962, $300 a month (8-1-62).


VANDI, Antonio P., Research Associate in Chemistry, three months from September 1, 1962, $565 a month (8-6-62).

VAN HORN, Charles, Research Associate in Education (University High School), July 1, 1962-August 31, 1963, $10,000 a year (8-14-62).

VANPELT, Lyle E., Assistant in English, nine months from September 16, 1962, $4,400, supersedes (8-8-62).

VASIL, Indra K., Research Associate in Botany, one year from August 1, 1962, $3,850 (7-27-62).

VERDEYEN, Joseph T., Assistant Professor of Electrical Engineering (C), one year from September 1, 1962, $10,000 (6-29-62).

VETS, Bobbie J., Research Associate in the State Natural History Survey, two months from July 1, 1962, $570 a month, supersedes (7-9-62); and 3/4 time, one year from September 1, 1962, $4,104, supersedes (7-30-62).

VISHWANATHAN, Lakshminathrao, Research Associate in Chemistry, one year from June 1, 1962, $5,850 (7-9-62).


Vogel, Wolfgang H., Research Associate in Pharmacology (Medicine), one year from August 1, 1962, $7,200 (7-25-62).

VON HENTIG, Roland T., Associate in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, $4,200 (8-21-62).

VORBECK, Joseph F., Instructor in the Institute of Aviation, one year from September 1, 1962, $7,500 (8-6-62).
VORMELKER, ROSE L., Associate Professor of Library Science, academic year beginning September 1, 1962, $10,000 (7-31-62).

WACHSMAN, JOSEPH T., Assistant Professor of Microbiology, one year from September 1, 1962, $10,380, supersedes (8-30-62).

WAINWRIGHT, WILLIAM J., Instructor in Philosophy, academic year beginning September 1, 1962, $6,500 (7-30-62).

WALDEN, JAMES D., Instructor in Education, academic year beginning September 1, 1962, $6,200 (8-21-62).

WALKER, RICHARD D., Research Associate in the Illinois State Library Research Center, Graduate School of Library Science, July 1, 1962-August 31, 1963, $8,800 a year (7-9-62).

WALLACE, CHRISTOPHER S., Research Associate in the Digital Computer Laboratory, two months from September 1, 1962, $733.33 a month (6-5-62).

WALRAVEN, DALE, Assistant to the Associate Dean of Engineering (Chicago Undergraduate Division), June 22-August 17, 1962, $2,222 (7-17-62).

WAKG, SHAO-FU, Research Associate in Physics (C), seven months from July 1, 1962, $625 a month (7-25-62).

WANKA, FRIEDRICH, Research Associate in Botany, one year from July 1, 1962, $5,850 (7-27-62).

WARMHACK, JOHN E., Research Associate in the State Natural History Survey, two months from July 1, 1962, $550 a month, supersedes (7-9-62).

WATANABE, SHOSUKE, Research Associate in Psychiatry (Medicine), one year from September 1, 1962, $6,500 (7-30-62).

WATSON, FRANCIS K., Research Assistant Professor of Sociology, and in the Office of Instructional Television, and Associate Staff in the Center for Zoonoses Research (College of Veterinary Medicine), one year from September 1, 1962, $10,400, supersedes (7-27-62).

WATTERS, ROBERT D., Education, Philosophy, and Psychology Library Assistant, one year from September 1, 1962, $6,000 (6-27-62).

WEBER, EVELYN J., Research Associate in Chemistry, one year from September 1, 1962, $6,000 (7-17-62).

WESLER, MRS. CATHERINE N., Head Resident, Busey Hall, ten months from September 1, 1962, $4,700; for the convenience of the University she will also receive board and room valued at $31 a month (8-3-62).

WENNINGER, MRS. NANCY R., Chemistry Library Assistant in the Library, one year from September 1, 1962, $5,600 (7-27-62).

WESTERLUND, MRS. PAULA, Assistant in Physical Education for Women, nine months from September 16, 1962, $5,600 (7-30-62).


WESTMEYER, PAUL, Assistant Professor of Education, academic year beginning September 1, 1962, $8,850, supersedes (8-21-62).

WHITMAN, JOHN M., Clinical Instructor in Psychiatry (Medicine), 3/10 time, July 1, 1962-August 31, 1963, $3,000 a year (7-9-62).

WILPONG, ANNE E., Assistant in English, nine months from September 16, 1962, $4,200 (8-21-62).

WILLARD, ROBERT E., Research Assistant in the Digital Computer Laboratory, one month from August 16, 1962, $466.67 (7-25-62).

WILS, FREDERICUS C. M., Research Associate in the Institute of Labor and Industrial Relations, 1/2 time, nine months from September 16, 1962, $2,400 (7-17-62).

WELSL, MRS. EULINE D., Assistant in English, 1/2 time, $2,000, and in Mining, Metallurgy, and Petroleum Engineering (C), 1/2 time, $2,200, nine months from September 16, 1962 (7-13-62).

WOERNER, JACK L., Assistant in Agricultural Engineering (C and S), one year from September 1, 1962, $5,000 (8-21-62).
WOLFE, MARTIN S., Research Associate in Education (University High School), academic year beginning September 1, 1962, $6,400 (6-27-62).

WOLFE, MRS. SHARON, Research Assistant in the Institute of Communications Research (College of Journalism and Communications), two months from June 1, 1962, $444.44 a month (7-9-62).

WOODS, GEORGE T., Associate Professor of Veterinary Microbiology and Public Health, (Veterinary Pathology and Hygiene) (College of Veterinary Medicine) and of Veterinary Research (Agricultural Experiment Station), indefinite tenure from September 1, 1962, $13,200 a year, supersedes (7-31-62).

WOODWARD, RALPH, Instructor in Music, ½ time, academic year beginning September 1, 1962, $3,550 (7-9-62).

WOOLLEY, DALE E., Assistant in Speech and Theatre, nine months from September 16, 1962, $4,000 (8-1-62).

WRIGHT, CHARLES A., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1962, $4,800 (7-2-62).

YAPP, WILLIAM W., Professor of Dairy Science (C and S), ½ time, five months from September 1, 1962, $388 a month (8-3-62).

YOUNG, LORNA B., Research Assistant in Chemistry, one year from September 1, 1962, $5,200 (8-8-62).

YOUNG, PAUL T., Professor of Psychology, ½ time, one year from September 1, 1962, $6,360 (8-8-62).

ZARING, WILSON M., Assistant Professor of Mathematics, three months from June 16, 1962, $3,000; this is in addition to his present appointment (7-9-62).

ZEHME, DONALD F., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1962, $4,800, supersedes (7-2-62).

ZEIDEL, ALEXANDER, Assistant in Psychiatry (Medicine), one year from July 1, 1962, without salary (7-11-62).

ZIMMERMAN, MARIE, Assistant-Counseling, in the Student Counseling Service, one year from September 1, 1962, $6,200 (8-21-62).

ZINKY, FRANKLIN A., Assistant in the Institute of Aviation, nine months from September 16, 1962, $465 a month (8-8-62).

ZWOYER, RUSSELL E., Assistant in Education (University High School), nine months from September 16, 1962, $7,200 (7-2-62).

GRADUATE FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in the parenthesis.)

AMARAL, EDWARD, Tuberculosis Institute Research Fellow in Medicine, one year from July 1, 1962, $5,000 (7-5-62).

APPLEBAUM, BRADLEY E., United States Public Health Service Fellow (Trainee) in the Center for Handicapped Children, one year from July 1, 1962, $6,000 (7-20-62).

BERG, CHARLES R., United States Public Health Service Fellow (Trainee) in Dentistry, one year from September 1, 1962, $7,000 (7-19-62).

BERMAN, MORLEY, United States Public Health Service Fellow (Trainee) in Psychiatry (Medical Center), three months from June 16, 1962, $200 per month (7-5-62).

BISWAS, CHHITA SEN, United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1962, $2,500 (7-20-62).

BOLTON, RUSSELL L., National Lead Company Fellow in Ceramic Engineering, nine months from September 16, 1962, $1,800 (5-24-62).

BOTTOM, RALPH S., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $4,170, supersedes (6-29-62).

BRAMS, EMMANUEL O., United States Public Health Service Fellow (Trainee) in Medicine, one year from July 1, 1962, $5,500 (7-16-62).

CHRISTENSEN, JAMES, Jr., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1962, $450 (6-27-62).

CLEARY, THERESA A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,000, supersedes (6-26-62).

CONRAD, H. EDWARD, Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1962, $1,667; this is in addition to his appointment as Assistant Professor of Chemistry (7-23-62).
DAVIS, GEORGE C., JR., Lilly Endowment Fellow in History, one year from September 1, 1962, $2,500, supersedes (7-5-62).

DAVIS, ROBERT D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $4,170, supersedes (6-29-62).

DELENBACK, BARBARA, United States Public Health Service Fellow (Trainee) in Psychiatry (Medical Center), three months from June 16, 1962, $200 per month (7-5-62).


ELLIOTT, ROBERT E., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1962, $3,200 (6-26-62).

FEHRBACH, J. B., Fellow in Agronomy, seven months from October 1, 1962, $3,200 (6-26-62).

GARCIA-MOLINER, CARMEN, Postdoctoral Fellow (Trainee) in Microbiology, one year from September 1, 1962, $4,920 (7-3-62).

GEISON, RONALD L., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1962, $2,500 (7-20-62).

GIACOMON, DARIA, Upjohn Company Fellow in Microbiology, one year from September 1, 1962, $2,667 (7-26-62).

GOVINDJEE, KAJNI, United States Public Health Service Postdoctoral Fellow (Trainee) in the Division of Biophysics (School of Life Sciences), one year from September 1, 1962, $6,000 (6-14-62).

HALPER, IRA, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1962, $3,000 (6-22-62).

HEINTZ, NORMAN V., United States Public Health Service Fellow (Trainee) in Psychiatry (Medical Center), three months from June 16, 1962, $200 per month (7-5-62).

HÖFFMANN, K., United States Public Health Service Fellow (Trainee) in Psychology, one year from July 1, 1962, $3,600 (6-22-62).

JANADO, MASANOBU, United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1962, $2,500 (7-25-62).

KILLIP, DEVORE E., United States Public Health Service Fellow (Trainee) in Psychology and Education (College of Dentistry), one year from July 1, 1962, $2,250 (7-6-62).

KIM, (MISS) SUN CHUN, Wright Fellow in Food Technology, nine months from September 16, 1962, $1,500, supersedes (7-5-62).

KOOPMAN, RAYMOND F., Jr., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $2,000 (6-8-62).

KOSKINEN, PIRKKO, Fellow in Law, nine months from September 16, 1962, $1,500; and two months from June 16, 1963, $375 (3-30-62).

LAWDER, SUE ANN, Grolier-Americana Fellow in Library Science, nine months from September 16, 1962, $1,000 (6-27-62).

LEE, FRED L., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1962, $2,500 (7-20-62).

LEWIS, ORDA S., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $4,170, supersedes (6-29-62).

LINDAUXER, THOMAS, United States Public Health Service Postdoctoral Fellow (Trainee) in Psychiatry, one year from July 1, 1962, $3,000 (6-22-62).

MARTIN, DUNCAN W., United States Public Health Service Fellow (Trainee) in Physiology, June 16-August 31, 1962, $833.10 (8-21-62).

MAZUMDAR, B. N., Wright Fellow in Horticulture, nine months from September 16, 1962, $1,500 (6-20-62).

McCALL, ROBERT B., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1962, $1,800 (7-11-62).

McLAIN, LARRY G., United States Public Health Service Fellow (Trainee) in Psychiatry (Medical Center), three months from June 16, 1962, $200 per month (7-5-62).

MEYER, EVY, Louis Bothman Fellow in Ophthalmology (Medical Center), six months from March 1, 1962, $1,500 (7-6-62).

MOREL, JOHN L., Fellow (Intern) in Government and Public Affairs, one year from September 1, 1962, $2,700 (7-3-62).

NEE, MICHAEL D., Fellow (Intern) in Government and Public Affairs, one year from September 1, 1962, $2,700 (6-22-62).
NUESE, CHARLES J., Fellow (Teaching Intern) in Electrical Engineering, nine
months from September 16, 1962, $3,000 (6-14-62).
OHTAKA, YOICHI, Postdoctoral Fellow (Trainee) in Microbiology, one year from
July 1, 1962, $7,800 (7-9-62).
PIFER, JOE H., Texas Instruments Company Fellow in Physics, nine months from
September 16, 1962, $2,000 (6-14-62).
POSTMA, THOMAS E., Fellow (Teaching Intern) in Electrical Engineering, nine
months from September 16, 1962, $2,000 (6-14-62).
PROCTOR, ROBERT A., JR., Lilly Endowment Postdoctoral Fellow in Psychology,
nine months from September 16, 1962, $5,000 (8-9-62).
SACKETT, DAVID L., United States Public Health Service Postdoctoral Fellow in
Medicine, one year from July 1, 1962, without salary (7-9-62).
SAUNDERS, GRADY F., United States Public Health Service Fellow (Trainee) in
Microbiology, three months from June 16, 1962, $700 (5-31-62).
SEELY, OLIVER, JR., United States Public Health Service Fellow (Trainee) in
SLATER, DONALD W., United States Public Health Service Fellow (Trainee) in
Microbiology, one year from June 16, 1962, $2,666.64 (6-14-62).
SMITH, JACK L., Postdoctoral Fellow (Trainee) in Animal Science, five months
from September 1, 1961, $2,375, supersedes; on 7/10 time, five months from
February 1, 1962, $1,662.50; this is in addition to his appointment as Research
Associate in Animal Science (Agricultural Experiment Station) on 3/10 time,
two months from July 1, 1962, $950, and ten months from September 1, 1962,
$5,250 (8-29-62).
STAHLY, DONALD P., United States Public Health Service Fellow (Trainee) in
Microbiology, June 16-July 1, 1962, $116.66 (7-31-62).
TANNENBERG, ALF M., United States Public Health Service Postdoctoral Fellow in
Microbiology, one year from July 1, 1962, without salary (6-29-62).
VOY, PHYLLIS G., Office of Vocational Rehabilitation Fellow (Trainee) in Educa-
tion, two months from June 16, 1962, $450 (6-13-62).
WELKER, NEIL E., United States Public Health Service Fellow (Trainee) in
Microbiology, one year from July 1, 1962, $4,500 (5-24-62).
WHITMAN, THOMAS L., United States Public Health Service Fellow (Trainee) in
Psychology, nine months from September 16, 1962, $1,800 (7-11-62).
YANKOFSKY, SAUL A., United States Public Health Service Fellow (Trainee) in
Microbiology, one year from September 1, 1962, $2,667 (7-26-62).

RESIGNATIONS AND DECLINATIONS

ADLER, FELIX T., Professor of Physics and of Nuclear Engineering — declination
effective June 16, 1962.
ALDERSON, C. ROLAND, Administrative Assistant in the College of Commerce and
Business Administration — declination effective September 1, 1962.
ALI, MIR A., Research Assistant in Physics — declination effective September 1,
1962.
AUTH, LEO V., JR., Instructor in Electrical Engineering — resignation effective
September 1, 1962.
ATWOOD, BARBARA M., Clinical Counselor in the Student Counseling Service, with
rank of Assistant Professor — declination effective September 1, 1962.
BAKER, LORIS S., Assistant in English — declination effective September 16, 1962.
BALDINO, EVANGELINE C., Acquisition Assistant in the Library — declination effective
September 1, 1962.
BALTCH, ALDONA L., Assistant Professor of Medicine — resignation effective
September 1, 1962.
BEALS, ROBERT J., Associate Professor of Ceramic Engineering — resignation
effective September 1, 1962.
BELL, HAROLD L., Fellow in Political Science — resignation effective September 16,
1962.
BETTS, BRIAN E., Research Associate in Chemistry — resignation effective September
1, 1962.
BINNING, BRIAN R., Research Assistant in Architecture — resignation effective
BLAKEMORE, ROBBIE G., Assistant Professor of Home Economics—resignation effective September 1, 1962.

BOAS, GLENN, Instructor in Dentistry—declination effective September 1, 1962.


BROTT, EUGENE E., Instructor in English—resignation effective September 1, 1962.

BROWN, ALLAN R., Visiting Lecturer in Physics (Chicago Undergraduate Division)—declination effective September 16, 1962.

BROWN, RAYMOND B., Instructor in Art—resignation effective September 1, 1962.

BROWN, ROBERT C., Assistant in the Institute of Aviation—resignation effective August 12, 1962.

BURROS, STANLEY E., United States Public Health Service Fellow (Trainee) in Microbiology—resignation effective August 21, 1962.

CASSELL, ROBERT L. S., Instructor in English (Chicago Undergraduate Division)—declination effective September 1, 1962.

CHAKRAVARTI, SUSIL K., Research Associate in Chemistry—declination effective September 1, 1962.

CHALLIS, DONALD, Instructor in the Institute of Aviation—resignation effective September 1, 1962.

COIJLOS, JAMES, Assistant in English—resignation effective September 16, 1962.

COLLIN, ELINORE, Lecturer in Art—resignation effective September 1, 1962.

CONNICK, LOUIS, Instructor in Education (University High School)—declination effective September 1, 1962.

DAKSHINAMURTI, K., Research Associate in Animal Science—resignation effective August 28, 1962.

DARBY, AUGUST F., Clinical Assistant Professor of Obstetrics and Gynecology (Medicine)—resignation effective July 1, 1962.

DAVIS, LORIN R., Engineering Faculty Development Teaching Fellow in Mechanical Engineering—termination effective July 1, 1962.


EILERT, MRS. MARY J., University High School Librarian, with rank of Instructor in Library Administration—resignation effective September 1, 1962.

ENGEL, JAMES, Assistant Professor of German—resignation effective September 1, 1962.

ENGLER, STANLEY J., Research Associate in Physics—declination effective September 1, 1962.

FAIRBANKS, GRANT, Professor of Speech—resignation effective September 1, 1962.

FINK, CHARLES R., Research Assistant in the Coordinated Science Laboratory (Engineering)—resignation effective September 1, 1962.

FOSTER, HAROLD E., Instructor in Veterinary Physiology and Pharmacology (Veterinary Medicine)—resignation effective May 25, 1962.

FRIEND, JAMES, Instructor in English (Chicago Undergraduate Division)—resignation effective September 1, 1962.

FUCHI, KAZUHIRO, Research Assistant in the Digital Computer Laboratory—resignation effective August 1, 1962.

FULTON, ROBERT F., Assistant Professor of Civil Engineering—resignation effective September 1, 1962.

GAGE, NATHANIEL L., Professor of Education and Psychology—declination effective September 1, 1962.

GAITHER, ROBERT B., Instructor in Mechanical Engineering—resignation effective September 1, 1962.

GRAWE, JOHN F., Instructor in the Division of General Studies, Summer Session—declination effective August 12, 1962.

GRIFIN, CHARLES H., Professor of Accountancy—resignation effective September 1, 1962.

GROSSMAN, R. S., Fellow in Philosophy, Summer Session—resignation effective June 16, 1962.

HAMLIN, ROY M., Professor of Psychology—resignation effective September 1, 1962.

HATANO, SHIGERU, Lecturer with rank of Professor of Anesthesia (Surgery) (Medicine)—resignation effective August 14, 1962.
HEATH, EDWARD H., Counselor in the Student Counseling Service; Counselor, Council on Teacher Education, and Instructor in Physical Education for Men — declination effective September 1, 1962.

HEDISH, NORMAN D., Instructor in Accountancy (Chicago Undergraduate Division) — declination effective September 1, 1962.

HEERMANS, MARY F., Assistant Professor of Occupational Therapy (Medicine) — resignation effective September 1, 1962.

HOFFMAN, CATHERINE F., Assistant in Occupational Therapy (Medicine) — resignation effective September 1, 1962.


HUFFAKER, DONALD C., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics — termination effective July 1, 1962.

HUFFNAGLE, MADELINE A., Research Assistant in Zoology — declination effective September 1, 1962.

HULSIZER, ROBERT I., JR., Professor of Physics, two months from July 16, 1962, — declination effective July 16, 1962.

JOHNSON, HELEN, Research Assistant in Pediatrics (Medicine) — resignation effective July 1, 1962.

JOHNSON, KEITH E., Research Associate in Chemistry — resignation effective September 1, 1962.

JONES, JOAN M., Instructor in Chemistry (Chicago Undergraduate Division) — declination effective September 1, 1962.

JONES, SAM T., Assistant Professor of Ophthalmology (Medicine) — resignation effective September 1, 1962.

KAHLER, MILTON N., Assistant Professor of Metallurgical Engineering — resignation effective August 22, 1962.

KARAKASHIAN, STEPHEN J., Research Associate in Chemistry — resignation effective August 1, 1962.

KEIM, HELEN L., House Director of Beta House — declination effective September 1, 1962.

KLEIN, GERALD A., Assistant Professor of Pharmacology (Medicine) — resignation effective September 1, 1962.

KRIECKHAUS, EDWARD E., Research Assistant in Electrical Engineering — resignation effective August 1, 1962.

KURZ, DONALD A., Instructor in General Engineering (Chicago Undergraduate Division) — termination effective September 1, 1962.

LAFUSE, HARRY G., Instructor in Electrical Engineering — resignation effective September 1, 1962.

LEE, GRACE L. C., Research Assistant in the School of Life Sciences — resignation effective June 16, 1962.

LIAY, LOUIS D., Head Resident and Assistant Manager, Men's Residence Halls (Housing Division) — resignation effective July 1, 1962.

LIM, CHUN S., Research Assistant in the State Water Survey — resignation effective July 1, 1962.

LISTON, PHYLLIS, Assistant in English — declination effective September 16, 1962.

LITTLEDEKE, E. TRAVIS, Instructor in Veterinary Research and in Veterinary Anatomy and Histology — declination effective September 1, 1962.

MARSHALL, THOMAS C., Assistant Professor of Electrical Engineering — resignation effective September 1, 1962.

MARTIN, DUNCAN W., United States Public Health Service Fellow (Trainee) in Physiology — termination effective June 16, 1962.

MARTIN, PATRICIA C., Research Assistant in Physics — declination effective September 1, 1962.


METCALF, GARY E., Research Assistant in Forestry — resignation effective September 1, 1962.

MILLER, ALLEN H., Research Assistant Professor of Physics — declination effective September 1, 1962.
MONTGOMERY, FLEMING, Biology Library Assistant, with rank of Instructor —
declination effective September 1, 1962.

MOORE, JAMES E., Instructor in Home Economics — resignation effective September
1, 1962.

MORGAN, THOMAS T., Assistant in Education (University High School) —
declination effective September 16, 1962.

MOYAR, GERALD J., Research Assistant Professor of Theoretical and Applied
Mechanics — resignation effective September 1, 1962.

MYERS, BASIL R., Associate Professor of Electrical Engineering — resignation
effective September 1, 1962.

NORDMANN, CAROLANNE M., United States Public Health Service Fellow (Trainee)

O’DONNELL, ROBERT E., Psychometrist in Student Counseling Service (Chicago
Undergraduate Division) — resignation effective September 1, 1962.

O’GRADY, GERALD L., Instructor in English — resignation effective September 1,
1962.

OMORI, DOROTHY K., Instructor in Occupational Therapy (Medicine) — resignation
effective September 1, 1962.

PAL, DILIP K., Research Assistant in the Bureau of Community Planning, two
months from June 16, 1962 — declination effective June 16, 1962.

PEEK, LEVIN J., JR., Research Assistant in the Digital Computer Laboratory —
declination effective September 16, 1962.

PINTER, JOYCE K., Research Assistant in Preventive Medicine (Medicine) — resigna-
tion effective June 1, 1962.

POTTLE, CHRISTOPHER, Research Assistant Professor in the Coordinated Science
Laboratory and Research Assistant Professor in Electrical Engineering —
declination effective September 1, 1962.

PROSSER, JEAN V., Instructor in Medical Social Work (Medical Center) —
declination effective September 1, 1962.

PURCELL, FRANCIS P., Consultant in the Jane Addams Graduate School of Social
Work, with rank of Associate Professor — resignation effective September 1,
1962.

PYTEL, RONALD J., Registered Pharmacist in Hospital Pharmacy (Pharmacy) —
declination effective September 1, 1962.

ROTH, HAROLD A., Clinical Assistant Professor of Surgery (Medicine) — resigna-
tion effective June 1, 1962.

ROWE, WILLIAM L., Assistant in English — declination effective September 16, 1962.

RUSS, AUBREY, Assistant Professor in Psychiatry (Medicine) — resignation effective
September 1, 1962.

SCAMMAN, W. W., Instrutor in Pathology (Medicine) — termination effective
July 1, 1962.

SCHUYER, FREDERICK D., Instructor in the Institute of Aviation — declination effec-
tive September 1, 1962.


SEUBERT, BURKHARD, Assistant Professor of German — resignation effective Sep-
tember 1, 1962.

SHEINBLATT, MATITYAHU, Research Associate in Chemistry — resignation effective
August 1, 1962.

SHUGRUE, MICHAEL F., Fellow in English — resignation effective June 16, 1962.

SINHA, SHYAMAL K., Associate Professor and Assistant Coordinator of AID
Programs in Veterinary Physiology and Pharmacology — resignation effective
August 1, 1962.

SKORNIA, LORENE M., Assistant to Dean of Women — resignation effective Sep-
tember 16, 1962.

SMITH, JACK L., Research Associate in Animal Science — resignation effective
September 1, 1962.

SUOKA, NOBORU, Assistant Professor of Microbiology — resignation effective
September 1, 1962.

SUSIMA, STANLEY V., Associate Professor of Pharmacy (Medical Center) —
declination effective September 1, 1962.
SWOISKIN, BERNARD L., Instructor in Orthodontics (Dentistry) — resignation effective September 1, 1962.
TUCKER, WILLIAM P., Research Associate in Chemistry — resignation effective August 1, 1962.
TUMAN, VLADIMIR S., Associate Professor of Mining, Metallurgy, and Petroleum Engineering — resignation effective August 1, 1962.
TUNNELL, CURTIS D., Research Assistant in Anthropology — resignation effective June 16, 1962.
VAN BEAUMONT, SHEILA L., Instructor in Physical Education — resignation effective September 1, 1962.
VORMELKER, ROSE L., Associate Professor of Library Science — declination effective September 1, 1962.
WATADA, NORITAKA, Research Associate in Food Technology — declination effective September 1, 1962.
WHITFIELD, GEORGE D., Research Assistant Professor of Physics — declination effective September 1, 1962.
WILCEWSKA, IZABELLA, Research Assistant in Microbiology — resignation effective September 1, 1962.
WILF, HERBERT S., Assistant Professor of Mathematics — resignation effective September 1, 1962.
WILFONG, ANNE E., Assistant in English — declination effective September 16, 1962.
WILLIAMS, THOMAS H., Assistant Professor of Accountancy — resignation effective September 1, 1962.
WILLIAMS, VICTOR T., Research Assistant in Economic Entomology — resignation effective August 1, 1962.
YAMANE, TETSUO, Research Associate in Microbiology — resignation effective September 1, 1962.
YOSHIKAWA, HIROSHI, Research Associate in Microbiology — resignation effective September 1, 1962.

LEAVES OF ABSENCE
ADAMS, MARY, Assistant Professor of Nursing — leave of absence, without pay, June 1 through August 15, 1962, so that she may complete her Ph.D. dissertation.
BLAU, MRS. ZENA S., Assistant Professor of Nursing — leave of absence, without pay, one year from September 1, 1962.
COLEMAN, PAUL D., Professor of Electrical Engineering — leave of absence, without pay, one year from September 1, 1962, so that he may accept a Visiting Professorship at Stanford University.
ERIKSEN, CHARLES W., Professor of Psychology and Associate Member of the Center for Advanced Study — sabbatical leave of absence, with full pay, second semester of the academic year 1962-63.
FEHRENBACKER, JOE B., Associate Professor of Pedology (Agronomy) — leave of absence, without pay, eight months from October 1, 1962, so that he may complete course work on his Ph.D. degree at Purdue University, Lafayette, Indiana.
FEINSTEIN, AMIEL, Assistant Professor of Mathematics — leave of absence, without pay, one year from September 1, 1962, so that he may devote this time to study and research.
FIELD, MARK G., Associate Professor of Sociology — leave of absence, without pay, first semester of the academic year 1962-63, on account of illness in the family.
HELLE, ALEX, Professor of Mathematics — sabbatical leave of absence, with full pay, March 1, 1963, through August 31, 1963.
HENNESSEY, JAMES J., Instructor in Art — leave of absence, without pay, one year from September 1, 1962, so that he may study under a Prix de Rome Fellowship abroad.
HIRSCH, JERRY, Associate Professor of Psychology — leave of absence, without pay, March 1 through August 31, 1963, so that he may accept a Visiting Professorship at the University of California.
HOLLINGSWORTH, J. ROGERS, Assistant Professor of History — leave of absence, without pay, one year from September 1, 1962, so that he may accept a Mellon Fellowship at the University of Pittsburgh.
Kord, Victor G., Instructor in Art—leave of absence, without pay, one year from September 1, 1962, so that he may study and paint in Paris under a Guggenheim Fellowship.

Lathrop, Mrs. Dorothy C., Research Assistant in Physics—leave of absence, without pay, one month from August 1, 1962.

Miller, Wendell E., Professor of Electrical Engineering and Associate Head of the Department—leave of absence, without pay, one month from August 1, 1962.


Reiner, Irving, Professor of Mathematics—sabbatical leave of absence, with full pay, March 1 through August 31, 1963.

Ruina, Jack P., Professor of Electrical Engineering and Research Professor in the Coordinated Science Laboratory—extension of leave of absence, without pay, one year from September 1, 1962.

Wilson, Mrs. Jean G., Research Assistant in Agricultural Entomology—leave of absence, without pay, July 16 through August 12, 1962, on account of disability.

Retirement

Goppert, Harold R., Professor of General Engineering, Emeritus, effective September 1, 1962.

August Degrees Conferred

The Secretary presented for record the following list of degrees conferred at Urbana, Illinois, as of August 13, 1962, on recommendation of the Urbana-Champaign Senate.

Summary

Degrees in the Graduate College, conferred at Urbana:

- Master of Arts........................................... 119
- Master of Science...................................... 269
- Master of Music........................................ 4
- Master of Education................................. 209
- Master of Social Work.................................. 1
- Master of Fine Arts................................... 2
- Master of Laws.......................................... 2
- Master of Architecture............................... 3
- Master of Accounting Science........................ 12
- Master of Television.................................. 3
- Advanced Certificate in Education.................. 20

Total, Graduate College.................................. (644)

Degrees in Law, conferred at Urbana:

- Bachelor of Laws....................................... 7

Baccalaureate Degrees, conferred at Urbana:

- Bachelor of Science, College of Agriculture........ 18
- Bachelor of Science, College of Engineering.......... 82
- Bachelor of Arts, College of Liberal Arts and Sciences 65
- Bachelor of Science, College of Liberal Arts and Sciences 32
- Bachelor of Science, College of Education............ 36
- Bachelor of Science, College of Commerce and Business Administration 54
- Bachelor of Science, College of Journalism and Communications 16
- Bachelor of Architecture, College of Fine and Applied Arts 4
- Bachelor of Fine Arts, College of Fine and Applied Arts 23
- Bachelor of Music, College of Fine and Applied Arts 3
- Bachelor of Science, College of Fine and Applied Arts 8
- Bachelor of Science, College of Physical Education 6
- Bachelor of Science, Division of Special Services for War Veterans 1
- Bachelor of Science, College of Veterinary Medicine 1

Total, Baccalaureate Degrees.................................. (356)

Total, Degrees Conferred at Urbana.......................... 1,000
GRADUATE COLLEGE

Degree of Master of Arts

In Art Education

William Edward Hatcher, Jr., B.S., State University of New York College for Teachers (Buffalo), 1959
James Richard Hill, B.S., Eastern Illinois University, 1956
Mary Alice Nesti, A.B., Northwestern University, 1959
Arlene Elizabeth Richards, A.B., Western Michigan College of Education, 1955

In Economics

George William Lehmann, B.S., 1961
James Merle Treece, B.S., 1959

In Education

Jack Kuenne Genskow, B.S., University of Wisconsin, 1961

In English

Barbara Ann Bruce, A.B., Memphis State University, 1961
Jane Moe Hughes, A.B., University of Wisconsin, 1953
John Kent, A.B., University of Southampton, 1956
William David Miller, A.B., 1961
Judith Weinberger Nack, A.B., University of Michigan, 1961
Edward Lee Niehus, A.B., 1961
Betty Millan Park, A.B., 1960
Constantine Santas, A.B., Knox College, 1961
Margie Schaefer, A.B., 1962
Sandra Lee Schenck, A.B., University of Wichita, 1960
Richard Walton Searles, A.B., 1958
Thomas Baker Tufts, A.B., Harvard University, 1961
Barbara Ann Bandy Walley, A.B., Northern Illinois University, 1959
Sue Ann Winger, A.B., Butler University, 1961

In French

Frank Edward Baker, B.S., Illinois State Normal University, 1961
Constance Elizabeth Bennett, B.S., Simmons College, 1961
Josette Nedelec Saunders, B.Ed., University of Toledo, 1957
Farren Gayle Stover, B.S., Illinois State Normal University, 1959

In Greek

Robert Allison Guelich, A.B., Wheaton College, 1961

In History

Darrel Robert Caduy, A.B., Iowa State Teachers College (Cedar Falls), 1958
Melvin Thomas Gustafson, A.B., Augustana College, 1960
John William McClure, B.S., University of Alabama, 1956
David Ronald Rabaut, A.B., Michigan State University, 1960
Kenneth James Spenceley, B.Ed., University of Toledo, 1960
Armstrong Marion Starkey III, A.B., Hiram College, 1960
Gary Grant Weilage, A.B., Augustana College (South Dakota), 1958

In Labor and Industrial Relations

Charles Cotty Moore, B.S., 1955
Philip Fred Pickett, Jr., A.B., Blackburn College, 1957
Douglas Earl Wolfe, B.S., 1956

In Latin

Audrey Notvik Iversen, A.B., A.M., University of Minnesota, 1953, 1955

In Mathematics

Carol Shigeko Abe, A.B., University of California (Berkeley), 1960
James Tarpley Bolding, Jr., B.S., Howard Payne College, 1954
Loretta Murray Braxton, B.S., Virginia Union University, 1955
Fred Alfred Brown, B.S., Morningside College, 1952
Milo Floyd Bryn, B.S., M.S., North Dakota State University of Agricultural and Applied Science, 1954, 1959
Edward Chu, A.B., University of California (Berkeley), 1951
Virginia Anne Cook, A.B., Louisiana College, 1956; M.S., Mississippi State University, 1957
John William Daniels, A.B., Howard Payne College, 1957; A.M., Appalachian State Teachers College, 1959
Martin Julius Dreyfuss, B.S., City University of New York, 1941; M.S., Syracuse University, 1948
John Harrison Esbin, Jr., B.S., West Chester State College, 1959
Janice Louise Flake, B.S., Eastern Illinois University, 1961
Francis Gary Florey, A.B., Augustana College, 1958
Hector Bernard Foisy, A.B., St. Michael's College, 1958
Alan Gene Foster, B.S., Illinois State Normal University, 1955
Raymond Dana Gibson, B.S., Pennsylvania State Teachers College (Slippery Rock), 1951; M.S., Westminster College, 1956
Paul Martin Grabarkewitz, B.S., M.S., North Dakota State University of Agricultural and Applied Science, 1951, 1957
Howard Mayer Grater, A.B., A.M., University of Denver, 1949, 1956
Marvin Duane Gutzmer, B.S., M.S., North Dakota State University of Agricultural and Applied Science, 1957, 1958
Martha Baird Haines, A.B., Iowa Wesleyan University, 1948
Laura Joyce White Hill, B.S., M.S., 1951, 1956
Robert Layne Hocking, B.S., Idaho State College, 1958
Robert James Kansky, B.S., St. Cloud State College, 1959
Gayle Alton Krause, B.S., Fort Hays Kansas State College, 1950
Bobby Don Langston, A.B., Howard Payne College, 1954
LaWayne Neil Morseth, A.B., Augsburg College, 1951
Billy Ray Nail, A.B., Hardin-Simmons University, 1956
Elmo Lauren Nash, B.S., University of Minnesota, 1946
Sandra Hoffman Price, B.S., 1957
Don Prock, B.S., Southwestern Institute of Technology, 1951; Ed.M., University of Oklahoma, 1959
Edward Franklin Rittenhouse, B.S., M.S., Illinois State Normal University, 1956, 1959
Bernard Louis Schultenover, B.S., St. Cloud State College, 1959
Verbal Merle Snook, B.S., University of Oregon, 1956
John Warren Stannard, B.S., Wisconsin State College (Oshkosh), 1957
Major Franklin Stewart, B.S., Central State College, 1958
Stanley LaVerne Urwiller, B.S., Nebraska State Teachers College (Kearney), 1958
Royal Dean Van Tassel, B.S., Eastern Illinois University, 1956; M.S., Illinois Wesleyan University, 1961
Henry Waldman, B.S., Northern Illinois University, 1958
Melvin Robert Woodard, B.S., State Teachers College (Mansfield, Pennsylvania), 1958
Russell Edward Zwoyer, B.S., Illinois State Normal University, 1959

In Philosophy
Jarrett Ernest Brock, A.B., Rollins College, 1958

In Political Science
Alma Don Sorensen, B.S., Utah State University, 1960
Harry Robert Targ, B.S., 1961

In Psychology
Patricia Greig Bowers, A.B., Rosemont College, 1960
William De Marco, B.S., College of the City of New York, 1959
Thomas Joseph McHale, A.B., A.M., St. Louis University, 1957, 1960
In Social Sciences
ARLINE FAY CARY, B.S., Illinois Wesleyan University, 1960
GEORGE EDGAR PENCE, A.B., McKendree College, 1961

In Spanish
MARThA ANN MCnUTT, B.S., Bowling Green State University, 1961
EILEEN ANNette RICCOMI, A.B., 1961
LINDA ANN SOLLISH, A.B., Brooklyn College, 1960
NANCY ADELE STURIES, A.B., 1959

In Speech
ANN CAROLYN WHITE BURRILL, A.B., Agnes Scott College, 1936
DIKKA JANE ELY, A.B., Oberlin College, 1961
KAREN ANDREA HALVORSON, A.B., Gustavus Adolphus College, 1961
WILLIAM ERNEST LIVINGSTON, A.B., Humboldt State College, 1961
JAMES THOMAS McALLISTER, B.S., Oregon College of Education, 1960
NOBLE EVERETT RICHARDS, Jr., B.S., Black Hills Teachers College, 1958
SISTER MARY WILMA SMITH, A.B., St. Ambrose College, 1954
JULIE ANN STUSRUD, A.B., 1961
RAYMOND LEE THOMPSON, A.B., MacMurray College, 1961

In the Teaching of English
JAMES EDWIN BEATTY, A.B., Wheaton College, 1953
HILLIS RAY COL, Jr., B.S., 1960
BARRBARA MAE CROISSANT, A.B., University of Dubuque, 1949
JEANETTE PARQUETTE DODGE, B.S., 1949
IRENE COFFIN KUTSCHER, A.B., Georgetown College, 1958
DONALD LOUIS OBERLE, A.B., Quincy College, 1961
LOIS ANNE RICHMAN, A.B., 1958
YVONNE FRANCES VISH, B.S., 1959

In the Teaching of French
STEPHENVALE ADAMS, B.S., Illinois State Normal University, 1959
CLARA ALICE HARTMAN, A.B., 1957

In the Teaching of Social Studies
RICHARD VINCENT CHIERICO, B.S., 1961
CHARLES ELBERT GEITNER, A.B., Eureka College, 1957
PAULETTE BURR KLING, B.S., 1959
ROBERT CARL LEMCNE, A.B., San Francisco State College, 1958
RICHARD WAYNE MAHood, A.B., Hamilton College, 1956
ALTRICIA OGDEN MISSE, B.S., 1959
WILMA ARLINE STOKES, A.B., Principia College, 1959
LAWRENCE DANIEL WEAVER, A.B., Wheaton College, 1961

In the Teaching of Speech
VIRGINIA RAE LYNCH, B.S., 1957

Degree of Master of Science
In Accountancy
LEWIS CLIFFORD BULLER, B.S., Indiana State Teachers College, 1958
DONALD LEE MINI, A.B., Sacramento State College, 1961
ING-MIN SHIEH, A.B., National Taiwan University, 1958

In Aeronautical and Astronautical Engineering
IVAN DOYLE BROWN, B.S., State College of Washington, 1954
ROBERT EDWARD SPITZER, B.S., 1961

In Agricultural Economics
ROBERT WILLIS CLARK, B.S., 1956
NORMAN COWARD, B.S., Wye College, 1961
HANS KONRAD LARSEN, B.S., Royal Veterinary and Agricultural College, 1959
MONTONORI MIYAZAKI, B.Agr., University of Tokyo, 1954
MAGNE ØSTERAS, Degree, Agricultural College of Norway, 1958

In Agricultural Education
WILLIFORD A. HOCKETT, B.S., 1952

In Agricultural Engineering
LEROY KENNETH PICKETT, B.S., Kansas State University, 1961

In Agronomy
WILLIAM MAXHAM EDWARDS, B.S., 1961
WAYNE ROBERT JORDAN, B.S., 1961
BENJAMIN JOHN MIPLIN, B.S., University of Nottingham, 1960
BABOOLAL NEMA, B.S., Nagpur University, 1941; Diploma, Indian Agricultural Research Institute, 1955
JAGANNATH PRASAD PATEL, B.S., Nagpur University, 1949; Associateship, Indian Agricultural Research Institute, 1954

In Animal Science
SURENDRAS KUMAR RANJHAN, B.V.S., M.V.S., Agra University, 1956, 1960

In Architectural Engineering
JOHN YOSHIO FUJlWARA, B.Arch., 1961

In Astronomy
ELAINE SWEITAL AVNER, A.B., University of Pennsylvania, 1960

In Biological Sciences
MIRKA MARIE MEJZR, B.S., 1961

In Botany
PETER ROGERS ATSATT, A.B., University of California (Santa Barbara), 1960
ELIZABETH ANN HUBBARD, B.S., 1960
JACQUELIN LUCE WILEN, B.S., 1957

In Ceramic Engineering
LARRY LEE FEHRENBACKER, B.S., 1961
CHARLES BERNARD GREENBERG, B.S., Rutgers University, 1961

In Chemical Engineering
CHARLES KEY EDGE, B.S., Carnegie Institute of Technology, 1960
JOSEPH PETER GLAS, A.B., Rockhurst College, 1960
IRA ARTHUR GURA, B.Ch.E., Cooper Union, 1960

In Chemistry
JOSÉ ANTONIO RAFAEL ARIAS LIMONTA, B.S., Louisiana State University, 1961
RONALD HENRY CARLSON, B.S., University of Massachusetts, 1960
ROBERT JOSEPH CROUCH, B.S., Southern Methodist University, 1961
DONALD HUBERT KUBICEK, B.S., State University of Iowa, 1960
JOHN PAUL PETROVICH, B.S., St. Mary's College, 1960
ALAN NEWTON SCOTT, B.Mus., A.B., Northwestern University, 1951, 1958

In City Planning
FRANKLIN COURTNEY ELLIS, Jr., A.B., Princeton University, 1954; M.Mus., Northwestern University, 1958
ROBERT WILLIAM RICHTER, B.S., Illinois Institute of Technology, 1950
THEODORE GENE WILDING, B.S., Iowa State University of Agricultural and Mechanical Arts, 1957

In Civil Engineering
ANTHONY THOMAS CAMPANELLI, B.C.E., University of Dayton, 1961
GEORGE CHUN-YI CHANG, B.S., Taiwan Provincial Cheng Kung University, 1959
JOHN SEWARD ENDICOTT, B.S., University of Colorado, 1954
WILLIAM JOSEPH GARCIA, JR., B.S., United States Military Academy, 1959
JERRY WATSON HALE, B.S., Virginia Military Institute, 1956
ARTHUR THOMAS HORKAY, B.S., 1961
HSUN-SHENG HSIEH, B.S.E., University of Michigan, 1960
WILLIAM TIN-KAN HIU, B.S., Taiwan Provincial Cheng Kung University, 1959
MARIJNDE KUMAR JAIN, B.S., Banaras Hindu University, 1959
ANTHONY MONSHJM KAO, B.S., 1959
ABDEL KARIM CONRADO, C.E., National University of Nicaragua, 1961
JAOQUIN MARIN DOMINGUEZ, C.E., Central University of Venezuela, 1960
BIJAN MOHRZ, B.S., 1961
NARAYAN MANTAND PRACHAND, B.Eng., Nagpur University, 1959
WALTER EDWARD STANLEY, B.S., United States Military Academy, 1961
RAYED MOHAMED SULTAN, B.S., Ain Shams University, 1959
ELMER WHITMAN WRIGHT, B.A.Sc., University of Toronto, 1944
JOHN EDWARD ZIMMERMAN, Jr., B.C.E., Georgia Institute of Technology, 1961

In Commercial Teaching
IMELDA PRADIA, B.S., Texas Southern University, 1961
MARJORIE MAE REAGON, B.S., Ball State Teachers College, 1958

In Dairy Science
P. N. MADHAVAN NAIR, Graduate, Bengal Veterinary College, 1951
CORNELIS GODFREDUS VAN DONGEN, Candidate, Diploma, State Agricultural University (Holland), 1957, 1959

In Economics
DONG WON CHOI, A.B., University of California (Berkeley), 1959
JOHN WESLEY ROWE, Jr., B.S., 1958

In Education
ALFRED STEWART DAVIS, B.S., 1960

In Education of Mentally Handicapped Children
KENNETH WAYNE BERTA, B.S., Illinois State Normal University, 1958
MINNIE FRANCES JOUETT, A.B., McKendree College, 1955
WANDA LEONA MATTICKS, B.S., Quincy College, 1958
GEORGE STANLEY MISCHIO, A.B., New Jersey State Teachers College, 1960
PATTY HARRAH PATE, B.S., Western Kentucky State College, 1955
SALLY REE SUBRE, A.B., DePauw University, 1960

In Electrical Engineering
VITHAL VASUDEO ATHANI, B.Eng., University of Poona, 1956; Diploma, Indian Institute of Science, 1957
ROBERT GRANT BACHMAN, B.S., Illinois Institute of Technology, 1960
MURRAY HAROLD BOLT, B.S., University of Manitoba, 1961
JAMES WALTON COX, B.S., Evansville College, 1956
JAMES LLOYD DAVIS, B.S., 1961
LOUIS JOHN GARGASZ, B.S., Grove City College, 1961
EDWARD RICHARD GRUBERG, B.S., Cooper Union, 1961
DON ALLEN HOLLINGSWORTH, B.S., 1961
HSUNG TSAO HSU, B.S., National Taiwan University, 1959
KENNETH LEO HULL, B.S., University of Kansas, 1961
ROBERT WILLIAM HUME, B.S., 1961
MICHAEL HENRY JOHNS, A.B., B.S., Columbia University, 1960, 1961
SIN HOK LIM, A.B., Bandung Institute of Technology, 1960
ALBERT STARRATT NOLAN, A.B., Union College, 1953
JAMES ANTHONY REYNOLDS, B.S., Rochester Institute of Technology, 1958
MARTHA CAROLYN SHULTZ, B.S., University of Missouri School of Mines and Metallurgy, 1961
MARTIN JAMES SIEBACH, B.S., Rochester Institute of Technology, 1957
DAVIS STEVENS TARR, B.S., United States Military Academy, 1960
JOHN PETER TRINKO, B.S., 1962
KENNETH KAI MING TZENG, B.S., National Taiwan University, 1959
SIM UM, B.S., 1959
MYRON F. UMANN, B.S., Princeton University, 1961
WILLIAM ROBERT VITACCO, B.S., Marquette University, 1961

In Entomology
VICTOR TERENUKU WILLIAMS, B.S., Eastern Illinois University, 1960

In Finance
LEIGH GENE BEUBE, B.S., 1961
RONALD LEON RACSTER, A.B., 1958
JOHN DAVID RAMEY, B.S., 1961

In Food Technology
TONG HYUB JOH, B.S., Seoul National University, 1953

In Geology
ROBERT WILLIAM LUCE, A.B., Dartmouth College, 1960
DONALD EASTON ORLOFF, B.S., University of Wisconsin, 1958

In Health Education
JOSEPH LEO BASILE, B.S., State University of New York Teachers College (Cortland), 1961
JUDITH ANN CHRISTENSEN, B.S., New Haven State Teachers College, 1961
WILLIAM JAMES COOKE, B.S., 1961
JOSEPH FRANCIS DI Gennaro, A.B., Hunter College, 1961
ELIZABETH JANE HILL, B.P.H.E., University of Toronto, 1961
RICHARD LEE HOOSER, B.S., Illinois State Normal University, 1955
LEONARD MINTZ, B.S., Brooklyn College, 1961
GARY RAY SANDE, A.B., Concordia College, 1961

In Home Economics
ALICE GADBERRY CLARK, B.S., University of Kentucky, 1960
MARTHA WILLETT GAEBE, B.S., 1949
SANDRA JUNE PERROTT, B.S., Cornell University, 1961

In Horticulture
RAYMOND GEORGE DUEWER, B.S., 1961
JAMES ALFRED FIZZELL, B.S., 1957

In Journalism
WILLIAM LEE HULL, B.S., 1958
HOWARD DALE MARTZ, A.B., University of Minnesota, 1959
JACK ARTHUR KARDIN, B.S., Eastern Illinois University, 1954
DONALD LEE SMITH, B.S., 1951

In Library Science
MEREL ALAKUS, A.B., Chapman College, 1961
GENE DALE ATKINS, B.S., University of Alabama, 1960
ELEANOR FAYE VARNER ATTINELLO, A.B., 1960
SALVATORE JOSEPH ATTINELLO, A.B., University of Massachusetts, 1961
MARY WINIFREE BARNES, A.B., Lawrence College (Wisconsin), 1930; B.S., 1932
LARRY XON BESANT, B.S., 1961
Onya K. Boshears, Jr., A.B., Greenville College, 1961
DOROTHY ELIZABETH BURNS, B.S., Western Illinois University, 1956
JIMMY ED CLARK, B.S., Texas College, 1954; B.D., Southern Methodist University, 1959
JEAN BLUE CORY, B.S., Johnson C. Smith University, 1957
MARY SUE DILLIARD, B.S., University of Wisconsin, 1957
CHARLOTTE ANN EVANS, B.S., Ball State Teachers College, 1958
MARILYN ANN FOGLESONG, B.S., Illinois State Normal University, 1958
MARY LEE HANSON, A.B., Kalamazoo College, 1961
MARJORIE JANE JOHNSON, B.S., Ball State Teachers College, 1959
MARTA MARIE HENRIETTA EGAN JOHNSON, B.S., Illinois State Normal University, 1953
HELEN AUGUSTA SWIERCZEW LERITZ, A.B., 1927
GRACE LEOLA LESSEN, B.S., M.S., 1942, 1947
JOHN MARSHALL LINDSEY, A.B., Southern Illinois University, 1951; LL.B., 1958
ALICE LEE NORTON, A.B., Wellesley College, 1947
MARY ALICE RICHMOND, B.Ed., Illinois State Normal University, 1939; Ed.M., 1952
KATHLEEN ELISE SANDERSON, B.S., Bradley University, 1961
RICHARD ILY SMITH, A.B., 1961
SUSAN IRENE STEINIGER, A.B., Purdue University, 1961
PATRICIA ERNESTINE GREGANTI STROUGAL, B.S., 1960
ALICE LEONE SVALJUG, B.S., Wisconsin State College (Stevens Point), 1960
LEIGH FERNE TEMME, A.B., Valparaiso University, 1958
ANDREW STANISLAUS GUSTAVUS TURYN, B.S., 1952
DAVID BEAN WALCH, B.S., Eastern Oregon College of Education, 1960
EDNA JOHNSON WILLIAMS, B.S., Tennessee Agricultural and Industrial State University, 1956

In Management
WILLIAM ALLEN JAFFE, A.B., Pennsylvania State University, 1960

In Marketing
JOHN RICHARD ANDERSEN, B.S., 1958
LAWRENCE EDWARD DOHERTY, B.S., St. Joseph College (Indiana), 1955
JACK DAN FEIDEN, B.S., Fort Hays Kansas State College, 1959
ROBERT ERNST LINNEMAN, Ph.B., Illinois Wesleyan University, 1950
WILLIAM JOSEPH SMITH, B.S., 1961
NOEL BIRELY ZABRISKIE, B.S., 1959

In Mathematics
CHARLES FREDERICK ALEXANDER, A.B., Drury College, 1953
JESSE BYRON ALLEN, B.S., M.S., Indiana State Teachers College, 1947, 1950
SIMON CAZETTE, B.S., 1940
ANTHONY ALFONSO GILYVYA, B.S., University of Detroit, 1961
CHI WONG JUNG, A.B., National Taiwan University, 1957; M.S., 1960
PIERRE MICHEL RUIZ AUDABRAM, B.S., 1961
LEON PAUL SHALLA, B.S., 1960

In Mechanical Engineering
RICHARD CARL BENNETT, B.S., United States Military Academy, 1959
BRIAN MILES BORG, B.S., 1961
BALBIR SINGH CHHOKAR, B.S., Banares Hindu University, 1953; M.Tech., Indian Institute of Technology, 1958
ADRIAN CHARLES CROOK, B.S., 1961
WILLIAM HENRY EDWARDS, Jr., B.S., United States Military Academy, 1955
RAYMOND WILLIAM GOLDS, B.S., 1961
THOMAS REICHLEY HICKLIN, B.S., United States Military Academy, 1957
WALDO DEAN MARTIN, B.S., Purdue University, 1955
MILTON JOHN PROFANT, B.S., Case Institute of Technology, 1958
SATYENDRA KUMAR SOOD, B.Eng., Birla College of Engineering, 1952

In Metallurgical Engineering
HARRY ALBERT LEVIN, B.S., 1961

In Microbiology
ROBERT JOHN BOJANOWSKI, B.S., 1960

In Music Education
MARGARET EDNA BAYER, B.S., Northern Illinois University, 1957
JOANNE PATRICIA BECK, B.S., State University of New York Teachers College (Fredonia), 1958
CHARLES WAYNE BRODKORB, B.S., 1957
JACK DONALD CAMPBELL, B.Mus., Chicago Conservatory, 1958
NORBERT WALTER CIESLAWICZ, B.S., 1960
JAMES ALLEN COBB, B.S., 1956
UNIVERSITY OF ILLINOIS

1962

JAY CRENSHAW DECKER, B.Mus.Ed., Municipal University of Wichita, 1956
NANCY CAROLYN MCCANDLESS GARTH, B.Mus., Oberlin College, 1959
DAVE EDWARD HARLEY, B.S., 1953
LLOYD D. HIGGERSON, B.S., Southern Illinois University, 1949
ORLAND WENDELL HOLMES, B.S., 1958
DONNA HAWKS LAWSON, B.S., 1957
BARBARA GRAMMER LITTLELL, B.S., 1958
FRED WAYNE OMER, B.Mus.Ed., Murray State College, 1953
KAREN LEE FRITCHARD, A.B., Albion College, 1961
ARLIN LEE RICE, B.S., Eastern Illinois University, 1957
HUGH WARNER SOEBBING, B.S., Quincy College, 1953
NANCY JOY STOWELL, B.S., State University of New York Teachers College (Fredonia), 1958
CHARLES EDWARD TRAYLOR, B.S., Illinois State Normal University, 1957
DENNIS DEAN WINDLER, B.Mus., Illinois Wesleyan University, 1958
CHARLES REHM WINKING, B.S., Quincy College, 1957

In Nuclear Engineering

CYRUS HALL ADAMS, A.B., Princeton University, 1961
LYNN BOYD BRIDWELL, B.S., Murray State College, 1961
WILLIAM ALLEN GOODWIN, B.S., Northwestern University, 1961
DAVID ARCHER MILLER, B.S., 1961
ROBERT HENRY NORMAN, B.Ch.E., University of Minnesota, 1961

In Physical Education

PATRICK JOSEPH BIRD, B.S., 1961
STANLEY ROBERT BUHEHR, B.S., Ohio Northern University, 1959
JEAN S. CIONE, B.S., Eastern Michigan University, 1953
DAVID ROBERT COOPER, B.S., Illinois College, 1953
CHARLES BENNETT CORSIN, B.S., University of New Mexico, 1961
PAUL WILLIAM DEESE, A.B., Whittier College, 1961
DAVID LANCE ENGERBRETSON, B.S., Macalester College, 1958
ROGER JOHN HAHN, B.S., Illinois Wesleyan University, 1961
WILLIAM ROBERT HENDERSON, B.S., 1959
DELORIS JOAN MIKESELL, A.B., Eastern Washington College of Education, 1957
PAUL ANGELO MOLE, B.S., 1960
JOHN WILFRED MURRAY, B.S., Ed.M., 1951, 1957
DONALD LAWRENCE PATE, B.S., Southeast Missouri State College, 1954
BARBARA CAROL PASSIKOFF, B.S., Brooklyn College, 1961
WILLIAM JOHN PENNY, B.S., Brooklyn College, 1961
JOHN WILLIAM RADER, A.B., Bridgewater College, 1961
DON HOWARD RAPP, B.S., Ball State Teachers College, 1961
MICHAEL ARTHUR SHERMAN, B.S., State University of New York Teachers College (Cortland), 1961
JAMES RICHARD SLAGLE, B.S., 1954
CAROL ANN THOMPSON, B.S., A.B., Otterbein College, 1961, 1961
RAYMOND LOUIS WELSH, A.B., Hunter College of the City of New York, 1961
EDWARD ARTHUR WREN, B.S., University of Maryland, 1958

In Physics

LEE ALAN CLAYBERG, A.B., Bradley University, 1960
RANDALL BRYANT DAGGS, B.S., 1961
STANLEY OAKMAN KENNEDY, B.S., University of Michigan, 1956
NICK KOOKOTAKIS, Diploma, University of Athens, 1959
WILLIAM JOHN KUBITZ, B.S., 1961
JOHN JOSEPH ORSLUND, B.S., 1961
GRAYSON HOWARD WALKER, B.S., University of North Carolina, 1961

In Physiology

AVON LED ARBO, Jr., B.S., Aurora College, 1960
DONALD MORTON MILLER, A.B., 1960
BRENT COLE SEAGER, B.S., Michigan State University, 1958
In Recreation
FRANCIS COLLIN COATES, Diploma, University of Otago, 1957
THOMAS LESTER GOODALE, B.S., State University of New York Teachers College (Cortland), 1961
WALTER CARL JOHNSON, JR., B.S., 1958
STANLEY LABANOWICH, B.P.H.E., University of Toronto, 1958
ERIC LEVY, B.S., 1959
JOSEPH JOHN PETROSINO, B.S., State University of New York Teachers College (Cortland), 1961
WILLIAM CURRIE SINGLETON, JR., A.B., University of North Carolina, 1961
MARGARET ANN TURNER, A.B., B.P.E., McMaster University, 1958, 1959

In Sanitary Engineering
DONALD EVERETT ALTON, B.S., 1959
LARRY WAYNE CANTER, B.Eng., Vanderbilt University, 1961
MRIGANKAMOULI GHOSH, B.Tech., Indian Institute of Technology, 1959

In Speech Correction
DONALD DEAN BATT, B.S., Southern Illinois University, 1959
DELORES LILLIAN KELLY, A.B., St. Francis College, 1933

In Teaching of Biological Sciences and General Science
DOROTHY KATHRYNE HALL, A.B., Augustana College, 1943; Ed.M., 1959
REXFORD JOHN JOSLIN, B.S., Wisconsin State College (Oshkosh), 1960
RICHARD GEORGE MELINDER, B.S., 1960
DIANE MERLE PRATER, A.B., Carthage College, 1961
EDWIN ARTHUR RESCHKE, B.S., 1961

In Teaching of Geography
GLENN SMITH PATE, B.S., Western Kentucky State College, 1955

In Teaching of Mathematics
KENNETH GERALD BROWN, B.S., 1961
ANGELA FARINELLI CASTALDI, A.B., Clark University, 1946
ROBERT JOSEPH KRAJEWSKI, B.S., 1961
RICHARD EDGAR WOLFE, A.B., Gettysburg College, 1954

In Teaching of Physical Sciences
RONALD JOSEPH FISHER, A.B., Johns Hopkins University, 1961

In Theoretical and Applied Mechanics
DONALD EDWARD CULLEN, B.S., 1961
JEROME EDWARD JOBARIS, B.S., 1960
JOHN ALVA NEAL, B.M.E., Georgia Institute of Technology, 1961
THOMAS EDWARD SMITH, JR., B.S., 1961

In Veterinary Medical Science
JAMES EDWARD FITZGERALD, B.S., D.V.M., 1953, 1955
RAMESH CHANDRA PATHAK, B.V.S., M.V.S., Agra University, 1951, 1959

In Zoology
DONALD LEE BACH, B.S., Illinois College, 1960
CHARLES JULIUS ENGBRETSON, B.S., Wisconsin State College (Oshkosh), 1960
ANN VAUGHAN HOLMES, A.B., 1959
BENNETT CLAY MOULDER, B.S., Eastern Illinois University, 1956
ROBERT WILLIAM PEARMAN, B.S., 1950
SONIA JEAN RINGSTROM, B.S., 1959

Degree of Master of Music
EDNA DEAKYNE BROWN, B.Mus., 1961
LLOYD ARNOLD GOLD, B.Mus., New England Conservatory of Music, 1954
ROBERT BRUCE KUZMINSKI, B.Mus.Ed., 1961
Degree of Master of Education

ALICE GREENBERG ADELMAN, A.B., Roosevelt University, 1957
ALEXINE SHAHAN ALLEN, A.B., 1956
EUGENIE MARTIN ANDERSON, B.S., Illinois State Normal University, 1958
MARILYN ROBINSON ANDERSON, B.S., North Dakota Agricultural College, 1958
FLORENCE MARTIN ANTHONY, B.S., Jackson State College, 1957
JOAN MAUDE LOCK ARNETT, B.S., Ball State Teachers College, 1960
JAMES EDWARD ARNOLD, B.S., Eastern Illinois University, 1960
JOANNA MAGGIE ARNOLD, A.B., Illinois Wesleyan University, 1959
LOUIS DELBERT AUDI, B.S., 1951
BEVERLY SUE BARD, B.S., University of Wisconsin, 1959
RUTH LONG BARTLESON, A.B., Augustana College, 1952
WILLIAM HARDIN BATTERSHELL, B.S., 1937
CAROL ELAINE TRIMBLE BEAZLY, B.S., Illinois State Normal University, 1959
JAMES LEO BECKER, B.S., 1961
EDWARD JOHN BEHEM, B.S., 1954
JOHN GORDON BIDNER, B.S., 1958
EDWARD ELDON BLACK, B.S., Southern Illinois University, 1956
EARL RICHARD BONER, B.S., Illinois State Normal University, 1958
JEAN MARIE BORG, B.S., Illinois State Normal University, 1950
BARBARA LEE BOULTINGHOUSE, A.B., Ashbury College, 1959
GOODMAN TAYLOR BRADLEY, A.B., Olivet Nazarene College, 1958
Marilyn Helen Breiding, B.S., 1949
BEVERLY BEERLEER CARRINGTON, B.S., Eastern Illinois University, 1951
CLEVELAND HAYWOOD CHANDLER, Ph.B., Xavier University, 1941
MARY LOUISE CHAPMAN, A.B., Millikin University, 1958
ERNEST ARTHUR CIMO, JR., B.S., Eastern Illinois University, 1957
DORIS BAUGH CLEMENTS, A.B., St. Augustine's College, 1958
C. LORAINNE CLEVELAND, A.B., 1959
JANE COLE, B.S., 1959
WADE CYRENE COLLIER, B.S., Southern Illinois University, 1953
TREVA CLAYTON CRATSENBERG, A.B., Marycrest College, 1953
Teresa Mathews Crayne, A.B., Swarthmore College, 1958
Lucille Benck Curran, A.B., University of Colorado, 1950
NOREEN YOCUM CUSEY, B.S., Illinois State Normal University, 1958
CHARLES FRANCIS DEANY, B.S., Northern Illinois University, 1959
WILLIAM EUGENE DEARNWORTH, B.S., 1959
IRENE VIRGINIA DICKINSON, B.S., Pennsylvania State College (Mansfield), 1951
MARY PAULINA DINMORE, A.B., Brown University, 1951
JOHN ROBERT DOSIER, A.B., McKendree College, 1955
LEVY HOLLIS DOZIER, B.S., Bishop College, 1953
DANIEL GEORGE DRABIK, A.B., Walash College, 1948
MARGARET HAYNES DUNCAN, A.B., College of St. Francis, 1955
PATRICIA ALICE DUNPHY, A.B., Loyola University, 1958
RONALD GEORGE EISENBARTH, B.S., Western Illinois University, 1957
CARL RICHARD EK, A.B., 1958
MARY ANNE ELSOEN, B.S., 1958
MAE JEAN ENGEN, B.S., 1949
KAY VIRGINIA ENT, A.B., 1958
RONALD CHARLES ETHERTON, B.S., Purdue University, 1959
PAUL EVERS, HARRY EVANS, A.B., McKendree College, 1958
VIRGIL ALFRED EWING, A.B., Greenville College, 1955
WILFRED HENRY FAULKNER, B.S., Northern Illinois University, 1954
VICTOR MORTON FUNK, B.S., 1950
IRENE ELIZABETH GABOR, B.S., 1960
RUFUS MCKINLEY GANT, JR., B.S., Hampton Institute, 1950
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CARL SUMNER GORSLIN, A.B., Olivet Nazarene College, 1959
EUNICE MULLEN GREEN, B.S., Alcorn Agricultural and Mechanical College, 1956
MAUDE THORNTON HALL, B.S., Illinois State Normal University, 1944
JACK EVAN HANDLEY, B.S., Illinois State Normal University, 1956
RODNEY FRED HANSON, B.S., 1958
RONALD VERN HARMAN, B.S., Concordia Teachers College, 1955
BERTHA PARKER HARRIS, B.S., Alcorn Agricultural and Mechanical College, 1933
JEROME LOUIS HAYWOOD, B.S., Illinois State Normal University, 1959
JOSEPH CARL HAZELBAKER, A.B., Harding College, 1958
FRANCIS NORMAN HELD, A.B., Milligan College, 1956
CAROLYN DRESBACK HENDEY, B.S., Illinois State Normal University, 1959
GORDON GERLACH HILL, B.S., 1951
LOWELL FRANCIS HILLEN, B.S., 1957
FRANCES J. HINOS, A.B., Elmhurst College, 1960
CARL CHRISTINE HOLMGREN, B.S., Iowa State University, 1960
CORELLA DENNIS HOLT, B.S., 1960
PEGGY JO HONN, B.S., 1958
EM ELLEN SPOONER HOOVER, B.S., University of Georgia, 1938
LEO CARL HUFFMAN, B.S., Bradley University, 1950
ROBERT ANTHONY HUNDLEY, JR., A.B., Illinois College, 1954
GLADYS HATHAWAY HUSSONG, B.Ed., Southern Illinois University, 1943
GLADYS LUCILLE PARKER JACKSON, A.B., Augustana College, 1943
MARY ALICE HENNESSY JACOBS, B.S., 1960
DARLENE MARION JELINEK, B.S., Eastern Illinois University, 1955
FRED EDWARD JOHNSON, B.S., 1960
KOSLIE YUVONNE JOHNSON, B.S., Eastern Illinois University, 1957
MAUREEN LAIR JONES, A.B., University of Michigan, 1958
MAYCELIA JOYCE, B.S., Illinois State Normal University, 1956
CHARLES MARVIN KIMBLE, A.B., McKendree College, 1952
MICHAEL GENE KIMMEL, B.S., Illinois State Normal University, 1954
NANCY CASTEEK KING, B.S., Millikin University, 1959
JAMES LEE KOCH, B.S., Greenville College, 1957'
MARCELLA GERTRUDE KORT, B.S., University of Wisconsin, 1958
JOAN ELIZABETH KULMER, B.S., Illinois State Normal University, 1959
RAYMOND LEWIS LAMBERT, JR., B.S., 1961
TERRYL TREE, B.S., 1959
LAWRENCE MICHAEL LAVIN, B.S., Kansas State College (Pittsburg), 1956
MARY FRANCES LAVIN, B.S., 1956
JANE ELLEN LAWDER, B.S., Southern Illinois University, 1958
MAURICE JOSPEH LEVIN, B.S., Southern Illinois University, 1958
SAMUEL JOSEPH LICCI, B.S., Illinois State Normal University, 1957
FRANK MICHAEL LIPUSKEY, B.S., Eastern Illinois University, 1956
DORRIS CATHERINE LIPPERT, B.S., 1957
MYRA KING LOCKETT, B.S., Jackson College, 1953
JOHN TIMOTHY MADDEN, B.S., Quincy College, 1957
HELEN RUTH MARTIN, A.B., Marycrest College, 1948
BARBARA BOEKER MASTEN, B.S., Western Illinois University, 1958
IGNA MAE MASTEN, B.S., Illinois State Normal University, 1944
SHELTON CLARENCE MAYES, B.S., Western Illinois University, 1955
MARVIN LEE ROY MCALMOND, B.S., 1958
MARY RITA KANE MCGUIRE, B.S., Illinois State Normal University, 1950
MARTHA ANN MICHAEL, A.B., Knox College, 1960
CARL LARSEN MIDJAA, A.B., A.M., Southern Illinois University, 1958, 1959
MARION OWENS MILBRANDT, B.S., St. Cloud State Teachers College (Minnesota), 1940
CLARENCE MELVIN MILLER, B.S., Western Illinois University, 1951
ROBERT JAMES MILLER, B.S., University of Missouri, 1955
ROBERT LEE MILLIGAN, B.S., 1955
ROBERT JUNIOR MILLS, B.S., 1950
MAURICE DWIGHT MOBLEY, B.S., 1957
GILBERT LEON MOULTON, A.B., Harding College, 1957
KATHRYN L. MOTT NELSON, A.B., Marycrest College, 1954
FRANCES ANN NESSLER, B.S., Quincy College, 1960
WILLIAM GEORGE NEUBAUM, B.S., Illinois State Normal University, 1958
RICHARD PAUL NEEDWARES, B.Ed., Chicago Teachers College, 1958
PAULINE MAY NIZIOLKIEWICZ, B.S., Eastern Illinois University, 1957
WILLIAM WILBUR NOLTE, A.B., North Central College, 1935
THOMAS EDWARD O'DRISCOLL, B.S., Quincy College, 1956
JANET RUTHERFORD PAGE, B.S., 1959
RAYMOND ALLAN PAGE, B.S., 1957
CLARENCE EDWARD PARK, B.S., Arkansas State College, 1958
STEVE LEROY PAVLIK, B.S., Illinois State Normal University, 1959
RUSSELL WARNER PEARCE, Jr., B.S., Illinois State Normal University, 1954
ERTHA TURNER PERRYMAN, B.S., Lincoln University, 1957
JOHN EDWARD PETERSON, B.S., 1951
JOHN VINCENT PETERSON, A.B., 1959
BETTY BALLOU PHELPS, B.S., Western Illinois University, 1947
JAMES RICHARD PING, B.S., Illinois State Normal University, 1958
CORNELIA RANDLE POOL, A.B., McKendree College, 1960
KATINA MAE POULOS, A.B., Washington University, 1960
ANNE CAROLYN PROCK, B.S., College of St. Francis, 1951
WILLIAM FRANCIS PUCKETT, A.B., Eureka College, 1954
ROBERT LOWELL PULLEE, A.B., Monmouth College, 1955
ELIZABETH LOUISE QUERY, B.S., Western Illinois University, 1956
CAROL CATHRYN REITZ, B.S., Southern Illinois University, 1958
JANET MARY RELOS, A.B., Rosary College, 1954
LOUISA RUTH REPOLCZE, B.S., Western Illinois University, 1956
ETTA MAE HARRIS RICHMOND, A.B., Lincoln University, 1953
FREDERICK ALEXANDER RODGERS, B.S., Fayetteville State Teachers College (North Carolina), 1960
COLEMAN ARTHUR ROGERS, B.S., Eastern Nazarene College, 1959
BARBARA ANN WOLF ROGNESS, B.S., Illinois State Normal University, 1951
JUDITH MARIA ROUDEZ, B.S., 1961
JEANNETTE LYNN RUTHERFORD, B.S., Southern Illinois University, 1960
JOHN ERNEST SABALASKY, B.S., 1958
LITA MAUDE SANERSON, A.B., Illinois College, 1949
JOHN JOSEPH SARSFIELD, B.F.A., School of the Art Institute of Chicago, 1959
MARGARET ELIZABETH SAUER, B.S., 1951
RAYMOND JULES SCARCE, B.S., 1950
JACOB SCHLENKER, Jr., B.S., Illinois State Normal University, 1950
FREDERICK WILLIAM SHERMAN, B.S., Concordia Teachers College, 1954
MARTHA OBERMARK SIMPSON, B.S., Southern Illinois University, 1947
DONALD EARL SMITH, B.S., 1959
EVANGELINE PHILLIPS SMITH, B.S., Wheaton College, 1955
HAROLD ARTHUR SMITH, B.Ed., Wisconsin State College (Whitewater), 1959
LUCY EDNA SMITH, B.S., Alabama State College, 1955
WARREN GEORGE SMITH, B.S., Wisconsin State College (Superior), 1948
WILLIAM RAY SNYDER, B.S., University of Texas, 1959
MABEL LOGUE STANNARD, B.Ed., Northern Illinois University, 1942
GERTRUDE LUEDKE STEFFEN, B.S., Illinois State Normal University, 1960
ALBERT STEVENS, B.S., Western Illinois University, 1951
MARY PARKER STILLWELL, B.S., 1957
GEORGE WILLIAM STREIN, B.S., Pennsylvania State University, 1938
RICHARD ALLEN STURGEON, B.S., Greenville College, 1956
Also Noel SWANSON, A.B., 1958
CAROL JANE SWARTZ, B.S., Purdue University, 1958
ALICE WICKISEY TAYLOR, B.Ed., Eastern Illinois University, 1940
PAUL EDWARD THORNBURGH, B.S., Illinois State Normal University, 1958
THOMAS NATHAN TIPSWORTH, A.B., 1950
MURIEL HERRON TITUS, B.S., Purdue University, 1956
RAYMOND RICHARD TORY, B.S., Illinois State Normal University, 1955
ELEANOR STASELL TUCKER, B.S., Illinois State Normal University, 1957
ESTHER TANNER TURLEY, B.S., Southern Illinois University, 1952
ANNA WAGNER Vogt, B.S., Northwestern University, 1952
NEWMAN ARTHUR Vossbery, B.Ed., University of Miami, 1953
ELAINE FRETTA WALTERS, B.S., 1942
GEORGIA M. Walton, B.S., Northwestern University, 1953
PAUL DUANE WASSER, B.S., Western Illinois University, 1958
JOE KEITH Wasson, A.B., Monmouth College, 1958
ROBERT WALLACE Watson, A.B., McKendree College, 1949
MILDRED LEPPLEFLE WEAVER, B.S., Southern Illinois University, 1950
LYLE SHERMAN Wessels, B.S., 1952
LEE DUVALL West, B.S., 1959
CHARLES ALLEN WHITE, A.B., 1954
RHEA OLIVE Fox Wickiser, B.S., Eastern Illinois University, 1958
GARY EUGENE WDMAR, B.S., Illinois State Normal University, 1958
MELVIN CURTIS WIGNONS, A.B., Alcorn Agricultural and Mechanical College, 1933
SYLVESTER LEE WILHELMI, B.S., Iowa State University, 1951
ESTHER AMY WILLIAMS, A.B., Ottawa University, 1961
ROSS GLEASON Wilsey, Jr., A.B., 1954
GRACE MARIE Wilson, B.S., Western Illinois University, 1953
LEONARD MILNES Winans, B.S., 1961
LOUISE BARGER WISE, B.S., Millikin University, 1955
DONALD WILLIAM Woodard, B.S., 1950
BARBARA MAE Saxon WYNE, B.S., Illinois State Normal University, 1953
ROBERT ANTON ZANELLO, B.S., Illinois State Normal University, 1959

Degree of Master of Social Work
THEODORA Muriel Johnson, A.B., DePaul University, 1957

Degree of Master of Fine Arts
In Design
ALBERT FYMAT, Diploma, Ecole Nationale Superieure des Arts Decoratifs, 1961
In Landscape Architecture
RAYMOND FREDERICK Cain, B.F.A., 1960

Degree of Master of Architecture
MICHAEL DENIS FLYNN, B.Arch., Catholic University of America, 1957
ROBERT ALAN FORRESTER, Diploma, Glasgow School of Architecture, 1961
BAL BASWANT Phatare, B.Arch., Maharaja Sayajirao University of Baroda, 1959

Degree of Master of Accounting Science
JAMES EDWARD Buncher, B.S., 1961
BRACK WILLIAM DUKER, B.S., 1961
RICHARD ERVIN George, Jr., B.S., 1961
CLINTON NATHAN Jetmore, Jr., A.B., University of Maryland, 1961
DONALD DUANE KAIN, A.B., Augustana College, 1961
WILLIAM NELSON Kassen, B.B.A., University of Texas, 1959
CARL WILLIAM Krell, B.S., University of Wyoming, 1957
HAROLD RICHARD Murphy, B.S., 1961
ROBERT JEROME Neff, B.S., Southern Illinois University, 1961
ROBERT THOMAS Rehwald, B.S., University of Pennsylvania, 1960
WILLIAM BRADFORD Sawtell, B.S., 1961
RONALD JOSEPH Szweida, B.B.A., University of Notre Dame, 1961

Degree of Master of Laws
FLETCHER NATHANIEL Baldwin, Jr., A.B., LL.B., University of Georgia, 1958, 1961
DELAS WAYNE Lee, LL.B., University of British Columbia, 1959

Degree of Master of Television
JORIS DANIEL Hoeree, Graduate, Dominican House of Studies
GEORGE EDWARD Toles, Jr., A.B., Wheaton College, 1961
ANDRE ALFONS Truyman, Graduate, Dominican House of Studies
Advanced Certificate

In Education

Gale Robert Ballard, B.S., Southern Illinois University, 1948; M.S., 1950
Ethel Ames Blythe, B.S., Eastern Illinois University, 1960; Ed.M., 1960
Loren Clyde Browning, B.Ed., Southern Illinois University, 1940; A.M., 1944
Mary Ann Diller, A.B., MacMurray College, 1945; A.M., 1948
Donald Dorris Dillow, B.S., Ed.M., 1949, 1957
Margaret Kraft Egan, B.S., Illinois State Normal University, 1952; Ed.M., 1955
Oren Nelson File, B.S., Greenville College, 1939; M.S., 1951
James Andrew Frowein, B.S., M.S., Western Illinois University, 1951, 1958
Mildred Mae Gilmore, B.S., Bradley University, 1938; Ed.M., 1960
Clinton Samuel Hagemann, A.B., Elmhurst College, 1949; Ed.M., 1952
John Franklin Hartwig, Jr., B.S., Ed.M., University of Missouri, 1957, 1958
Catherine Lee Hasenmyer, B.S., Greenville College, 1952; M.S., 1957
Merle Romayne Hilgendorn, A.B., Valparaiso University, 1950; Ed.M., 1953
Guy Raymond Jones, B.S., Ed.M., 1956, 1957
Bert Walter Nordberg, B.S., Ed.M., 1956, 1957
Hazel Lucille O'Connor, A.B., A.M., Bradley University, 1953, 1957
Lois Lavone Romig, B.S., A.M., 1942, 1949
Ann Janet Stine Schmidt, B.S., Maryland State Teachers College, 1955; Ed.M., 1960
Philip Allan Young, B.S., Eastern Illinois University, 1950; M.S., 1959

COLLEGE OF AGRICULTURE

Degree of Bachelor of Science

In Agriculture

Jack Dean Decker
George Gerald Doering
Leonard Lee Eddings
Lowell Thomas Froebish
Duane Edward Haning

Charles Anderson Hollowell
Richard Lee Kress
Owen Norman Matz, Jr.
Rollin Dean Strohman, Honors
Clarence Earl Walter

In Home Economics

Janet Nelson Chard
Bobette Schrotberger Eckland, High Honors
Muriel Garvin Petrowich

Rosalind Ann Rhoda
Fatma Handan Sacir
Joan Rapp Sundstedt

In Home Economics Education

Charlotte Fidder Hosken

In Restaurant Management

Roger Adolph Groth

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

In Aeronautical and Astronautical Engineering

Kenneth Eugene Krezyzek

In Agricultural Engineering

John Edward Jolley

In Civil Engineering

Ronald Thomas Anderson
George James Batek
James Frederick Baumann
Albert John Bergamin
Roy Bernard Buckner
Millard William Cripe, Jr.
Edward Patrick DeLorenzo

Richard Bernt Fries
Jack Hardin
Grover Wallace Hastings
Henry Curtis Martin
John Wauterlek
Michael Edward Winter
Richard Frank Zicarelli
In Electrical Engineering

DENNIS ROBERT CHAMBERLIN  
RICHARD JON EHRMAN  
RODNEY DWIGHT EMORE  
RINGLEY O'LIMITON FAY  
TAI-KING FU  
JOSEPH WIBERT GERHARDT  
JOSÉ GRANES SELLARES  
STEVE BRIAN HELLER  
JOHN BRADLEY KING  
ROY WILLIAM KLEIN  
JOHN KENNETH LA COST  
RONALD EDWIN LARSON  
THAC PHU MAC  
LARRY NOBUKATSU MATAYOSHI  
JAMES FRANCIS McARDLE  
DENNIS RICHARD MIGALA  
WILLIAM GUY MILLER  

Dennis Robert Chamberlin  
Virgil Martin Money  
Jairo Naranjo Rojas  
Rodney Dwight Emore  
Matthew James Nazarian  
George NELMS  
Robert NELMS  
Romanus Ogonna Ohuche  
Wilfred Charles Schuemann  
Donald Winfield Sibrel, Honors  
Joel Slutzky  
Kam Chuen So, High Honors  
Ned MUNGER Spencer  
John Lawrence Stahlke, Honors  
Dalila Terese Stine  
James Patrick Turzer  
Robert Eugene Warren  
Joseph Thomas Yuravich, Honors  

In Engineering Mechanics

THOMAS GEORGE HOWELL  

In Engineering Physics

John Grant Bergman

In General Engineering

RONALD DAVID Duclos  
Jackie Ray Faro  
Ralph Theodore Hocking

In Industrial Engineering

STEPHEN DAVID Berry  
Richard Allen Brock

In Mechanical Engineering

MANUEL JOSÉ ALVAREZ AR ANCO  
Augusto Arias Gómez  
John Francis Brady  
Guillermo Bueso  
Francis Richard Fairlamb  
Lee Raymond Frandsen  
Charles Leon Frederickson, Honors  
James Willard Hammond  
Donald Lee Kelly

In Metallurgical Engineering

FRANK Jerome Majeske  

College of Liberal Arts and Sciences

Degree of Bachelor of Arts

In Liberal Arts and Sciences

WILLIAM LLOYD Allen  
Hadley Philip Arkes, Honors in Liberal Arts and Sciences with Highest Distinction in Political Science  
Judy Sonn Arkes, Honors in Liberal Arts and Sciences  
Stanley Gordon Barnett  
Taylor Harvey Bell  
Elena Berezaluce  
Catherine Marie Canan, Honors in Liberal Arts and Sciences with High Distinction in History  
William Lloyd Allen  
Jennifer Moberley Cartwright  
Kenneth James Cherry  
Linda Jean Creamer, Honors in Liberal Arts and Sciences  
Judith Charlene Douglas  
Wayne Lee Downs  
Harry Donaldson Dyer  
William Kent Evanson  
Alan Richard Feldman  
Francine Mae Friedman  
Clifford Irving Ganan  
Alan Harry Gossard  

In Electrical Engineering

Dennis Robert Chamberlin  
Virgil Martin Money  
Jairo Naranjo Rojas  
Rodney Dwight Emore  
Matthew James Nazarian  
George NELMS  
Robert NELMS  
Romanus Ogonna Ohuche  
Wilfred Charles Schuemann  
Donald Winfield Sibrel, Honors  
Joel Slutzky  
Kam Chuen So, High Honors  
Ned MUNGER Spencer  
John Lawrence Stahlke, Honors  
Dalila Terese Stine  
James Patrick Turzer  
Robert Eugene Warren  
Joseph Thomas Yuravich, Honors  

In Engineering Mechanics

Thomas George Howell  

In Engineering Physics

John Grant Bergman

In General Engineering

Ronald David Duclos  
Jackie Ray Faro  
Ralph Theodore Hocking

In Industrial Engineering

Stephen David Berry  
Richard Allen Brock

In Mechanical Engineering

Manuel José Alvarez Arango  
Augusto Arias Gómez  
John Francis Brady  
Guillermo Bueso  
Francis Richard Fairlamb  
Lee Raymond Frandsen  
Charles Leon Frederickson, Honors  
James Willard Hammond  
Donald Lee Kelly

In Metallurgical Engineering

Frank Jerome Majeske  

College of Liberal Arts and Sciences

Degree of Bachelor of Arts

In Liberal Arts and Sciences

William Lloyd Allen  
Hadley Philip Arkes, Honors in Liberal Arts and Sciences with Highest Distinction in Political Science  
Judy Sonn Arkes, Honors in Liberal Arts and Sciences  
Stanley Gordon Barnett  
Taylor Harvey Bell  
Elena Berezaluce  
Catherine Marie Canan, Honors in Liberal Arts and Sciences with High Distinction in History  
William Lloyd Allen  
Jennifer Moberley Cartwright  
Kenneth James Cherry  
Linda Jean Creamer, Honors in Liberal Arts and Sciences  
Judith Charlene Douglas  
Wayne Lee Downs  
Harry Donaldson Dyer  
William Kent Evanson  
Alan Richard Feldman  
Francine Mae Friedman  
Clifford Irving Ganan  
Alan Harry Gossard
JAMES THOMAS HADDON, Honors in Liberal Arts and Sciences
ELIZABETH ANNE HAMPHEL
MILTON THOMAS HANSEN
JUDITH ANDRADE HILL
LAWRENCE WILLIAM HOMER
HARRY LEROI HUBBARD
DAVID VERNON IRISH
ELLEN McFARLAND JOHNSON, Honors in Liberal Arts and Sciences
JANET ELAINE JOHNSON
ADAM WALTER KAMASKE
GARY GEORGE KERMER
RONALD FREDRIC LANTZ
ANGELA ZEDEKIA LASK, Honors in Liberal Arts and Sciences
JUDITH ANN MATHEWSON
SUSAN JEAN McLAUGHLIN
ROGER ALLEN MEYER
 MARTIN ALLEN MINOW
JAMES JOHN MOCKFORD

In the Teaching of English
JUDITH OAKWOOD ADAMS
BARBARA LEE BODEN
MARIANNA YOUNG LEWIS, Honors in Liberal Arts and Sciences

In the Teaching of Latin
GAIL DEMIK LAURENZO, Honors in Liberal Arts and Sciences

In the Teaching of Spanish
NANCY ROPER SHEELY

In the Teaching of Speech
BEVERLY HALL SWANSTROM, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

Degree of Bachelor of Science

In Chemical Engineering
WILLIAM ADDISON SCOTT III, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

Arthur William Struss

In Liberal Arts and Sciences
PHILIP CATALANO
KENNETH ROBERT CONKLIN, Honors in Liberal Arts and Sciences with Distinction in Mathematics
PATRICK EDWARD DAWSON
SANDRA BEATRICE DRIBIN
ANNETTE KAY HASKETT
WILLIAM CHARLES HEISER
SAMUEL LERNER
NATHAN MARION LOFTON, Jr.
IRENA LEIPUS MARKVALDAS
JAMES EDWARD MARTIN
FRANK ERLING NESS
ROBERTA PEKLAY

PATRICIA GEARY NICOLL
RUTH OLSON NICOLL
EDWARD LAWRENCE ORLEANS
JUDITH ANN PABIN
ROBERT LOUIS PAGEL
BAIBA PAULINS
ELBA CEVAL PELLECHEA
MY CHUONG PHAN
BEBE IDYL PRITAM
DAVID OVERBY ROLSTON
KENNETH HERMAN ROWEN
SOLEIMAN MOHAMMED TARBAH
ROBERT LEE VAN DYKE, Honors in Liberal Arts and Sciences
CELINA FOSTER WALKER
ALICE JOHNSON WEBBER
THOMAS ANTHONY WEIMER
ALTON JOHN WILLIAMS
NORDIC RICHARD WINCH
STEPHEN LEE YARBROUGH
WANDA LILLIAN ZIELINSKI

Harriet Stemme Mayberry
Doris Jean Pogue
Freya Judith Shapiro

In the Teaching of Latin
GAIL DEMIK LAURENZO, Honors in Liberal Arts and Sciences

In the Teaching of Spanish
NANCY ROPER SHEELY

In the Teaching of Speech
BEVERLY HALL SWANSTROM, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

Degree of Bachelor of Science

In Chemical Engineering
WILLIAM ADDISON SCOTT III, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

Arthur William Struss

In Liberal Arts and Sciences
PHILIP CATALANO
KENNETH ROBERT CONKLIN, Honors in Liberal Arts and Sciences with Distinction in Mathematics
PATRICK EDWARD DAWSON
SANDRA BEATRICE DRIBIN
ANNETTE KAY HASKETT
WILLIAM CHARLES HEISER
SAMUEL LERNER
NATHAN MARION LOFTON, Jr.
IRENA LEIPUS MARKVALDAS
JAMES EDWARD MARTIN
FRANK ERLING NESS
ROBERTA PEKLAY

NIJOLE JASENAS PUPJUS
DIANA ANNA RADYS
ROBERT KEVIN RICE
ROY SILVERSTEIN, Honors in Liberal Arts and Sciences
STEPHEN DENNIS SPARKS
ROBERT FRANCIS TOBINSKI, Honors in Liberal Arts and Sciences
RICHARD KAY VAN DER LINDEN
LOURENS HERMANUS VAN NIEKERK
KENNETH MARTIN VISTE, Jr., Honors in Liberal Arts and Sciences
SHARON KAY VITZTHUM
ROBERT ALLEN ZEBELL
In Physics
ANDRAS MIKLOS BARDSOS, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum.

In Speech Correction
BARBARA THELMA ABBIT

In the Teaching of the Biological Sciences and General Science
MARIE PANSY TONELLI, Honors in Liberal Arts and Sciences

In the Teaching of Chemistry
JOHN WILLIAM LAMPE

In the Teaching of Mathematics and the Physical Sciences
PATRICIA CRAMER PULFORD, Honors in Liberal Arts and Sciences

COLLEGE OF LAW
Degree of Bachelor of Laws
RALPH DELANO BEAL, A.B., 1959
CHESTER JOSEPH CROSS
TERRY ORVILLE HELMICH, A.B., 1960
JAMES TERRY MCCOLLUM, B.S., 1956

Degree of Bachelor of Laws
PETER JOHN NOVAK, A.B., 1961
MARTIN RUDMAN
WILLIAM ANTHONY THUMA, JR., A.B., 1959
Beloit College, 1959

COLLEGE OF EDUCATION
Degree of Bachelor of Science
In Education
BENJAMIN FRANKLIN CAPLINGER III
WILLIAM FRANK PIEKE
WILLIAM REID KEEFFER
LEONA PRIDEMORE MCCARREY
ALAN MICHAEL SCARNAVACK

In the Education of Mentally Handicaped Children
AUDREY JOHNS
GERALDINE RIO PAGEL

In Elementary Education
GRACE WRIGHT BENNETT
GLADYS DAVID BOOTH
DORIS ROYALTY BROWN
RUBY LORENE BROWN
JANE AUSTIN COMBES
DAVID DALE DUMBAUGH
PATRICIA ANN ESTERLING
JUDITH LYNN FOSTER, High Honors
VERNA MAE GODMAN, Honors
LYNN LEE FURNALL GRAHAM
SHARON ANN HOCHESTETTLER
MARIE KELLER KENNEDY
CONSTANCE ANN KONRAD

In Industrial Education
DANIEL CHARLES MERENKOV

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
Degree of Bachelor of Science
In Accountancy
THOMAS FRANCIS ARIENS
GEORGE WASHINGTON BURROUGHS
JAY HAROLD CHAPMAN

JOSEPH WALKER ENGLAND, Honors
WALTER ROBERT GINTHER
NORMAN THOMAS JONES
HOWARD GORDON KAPLAN, High Honors
HENRY MARTIN KLAUSMAN, High Honors
RUSSELL STANLEY KOSS
JONE JURATE KREGZUTE
ROBERT SHERWIN KROCKEY
HARRIS NASUTION
WILLIAM L. NOTHMAN
SJAFIOEDIN OESMAN
RASIDI
DAVID IRA ROSENTHAL

RICHARD CLAUDE SMILGOFF
R. SOEBAGJO
R. OSKAR SOERJA ATMADJA
DAVID PETER STEVENSON
JOSEPH JOHN STOFFEL
JOHN ROBERT STUCKEY
SUMANTRI SUMODIRNO
LARRY RAY TINBERG
RONALD JOSEPH VAN THYNE
JACK EUGENE WARNER
DAVID LEE YOUNG

HOWARD GORDON KAPLAN, High Honors
HENRY MARTIN KLAUSMAN, High Honors
RUSSELL STANLEY KOSS
JONE JURATE KREGZUTE
ROBERT SHERWIN KROCKEY
HARRIS NASUTION
WILLIAM L. NOTHMAN
SJAFIOEDIN OESMAN
RASIDI
DAVID IRA ROSENTHAL

In Economics

PASQUALE MICHAEL BENEDETTO
ROGER JEFFREY GREEN
PAUL JOHN MARTIN

In Finance

STUART MINOR LOCKWOOD
LEON RICHARD TORBEC
THOMAS ALLAN TURLEY

In Industrial Administration

RICHARD ALLEN BURKHOLDER

In Management

RAYMOND WALTER BURHOP
WILLIAM JOHN DRAGOTZETICH
GERALD EDWARD HUDSON

In Marketing

DUNCAN BROWN COOPER III
RAYMOND LESTER DINGER
RICHARD ELLSWORTH EDY
JUANITA KAY JACOB
CATHERINE LEAS KLIK

In Communications

RICHARD BERNAL
BETTY KAYE CONTORER
GARY LEE DANNAN
DONALD GARFIELD
JAMES VINCENT GILL
MARY ELLEN GODDARD
JOSEPH DAVID KESTNAUB, Honors
HEI CHU KIM

Donald Eugene King
Dennis Albert Klay
Michael Joseph Kutchins
Patricia Ruth Murphy
Claudette Esther Gustava Olson
William Arthur Stephenson
Helen Louise Suddes
James Joseph Zlogar

COLLEGE OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Communications

RICHARD BERNAL
BETTY KAYE CONTORER
GARY LEE DANNAN
DONALD GARFIELD
JAMES VINCENT GILL
MARY ELLEN GODDARD
JOSEPH DAVID KESTNAUB, Honors
HEI CHU KIM

Donald Eugene King
Dennis Albert Klay
Michael Joseph Kutchins
Patricia Ruth Murphy
Claudette Esther Gustava Olson
William Arthur Stephenson
Helen Louise Suddes
James Joseph Zlogar

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Architecture

RICHARD BORRESON COOK
ROBERT JOHN EARLE

Jon Joel Ewickeben
Jay Michael Leavitt

Degree of Bachelor of Fine Arts

In Advertising Design

JOAN DEANNE ANDERSON, Honors
RICHARD WALTER GRIESE
EDWARD LEE HAYES
ROBERT WILLIAM FELKOWSKI

Eugene Warren Sagemen
Sandra Sepansky, Honors
Tom Arthur Snyder
In Art Education

JoAnn Katz Farley
Cynthia Esther Hosken
Nancy Langham Knapp, Highest Honors

Anthony Joseph Seminerio
Carol Sorkin

In Industrial Design

Randall Peter Buhk
Frederick Fay Dressback
Donald Henry Gregor

Donald Kenneth Krumin
Robert Walter Yackel

In Landscape Architecture

Daniel Henderson Babbitt

In Painting

Louis George Aronson
Ken Walter Gatzke, Honors

David Edward Wahlgren
Joanne Ike Wilson, Honors

In the History of Art

Barbara Ainslie Schick

Degree of Bachelor of Music

Donald Melvin Collins
Kathryn Jeanne Corbin

David Harold Moskovitz, High Honors

Degree of Bachelor of Science

In Architectural Engineering

Donald Wilfred Knudson

In Music Education

Eddie Keith Allen
Karen Doughty Byrne
John William Leman
Duane Clare Lundeen

Kenneth Robert Marshall, Honors
Dean Marable Wade
Tommy Howard Wardlow

COLLEGE OF PHYSICAL EDUCATION

Degree of Bachelor of Science

In Physical Education

Jerry Verne Curless

Jacqueline Ellen Tietsort

In Recreation

Suzanne Martin Eigel
Alyce Moy Gee

Martha Forsyth Thomas
Richard Sherwood Walbaum

DIVISION OF SPECIAL SERVICES FOR WAR VETERANS

Degree of Bachelor of Science

Virgil William Burgess

COLLEGE OF VETERINARY MEDICINE

Degree of Bachelor of Science

In Veterinary Medicine

John Bruce Arensman

EXECUTIVE SESSION

On motion of Mr. Dilliard, an executive session was ordered for consideration of the following reports and recommendations on land acquisitions and other business relating thereto.
PURCHASE OF PROPERTY AT 406 EAST CHALMERS STREET, CHAMPAIGN

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 406 East Chalmers Street, Champaign, Illinois, at a price of $27,000.

The property consists of a lot 51.5 feet by 116.24 feet and is improved with a three-story and basement rooming house and garage. The improvements will eventually be removed and the property will be part of the site for construction of the next residence hall for single graduate students, scheduled to begin in the fall of 1963.

The sale price is within the appraisals and has been reviewed with the Buildings and Grounds Committee.

Possession will not be later than September 1, 1963, and taxes will be prorated.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur.

On motion of Mr. Swain, the purchase of this property was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

PURCHASE OF PROPERTIES

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the following properties at the prices and on the terms indicated in each case:

204 North Romine Street, Urbana.............................................$16,000

The property consists of a lot 52 feet on Romine Street and 82 feet deep and is improved with a two-story and basement frame dwelling. The dwelling will eventually be removed and the land will be part of an area for a new Civil Engineering Building. Possession will be delivered not later than October 1, 1962, and taxes will be prorated.

The sale price is within the appraisals received by the University.

1105 West Illinois Street, Urbana........................................... 35,000

The property consists of a lot 65 feet on Illinois Street by 150 feet deep and has a two-story and basement frame residence and a remodelled garage used as apartments.

107 South Gregory Street, Urbana......................................... 28,000

The property consists of a lot 60.10 feet on Gregory Street by 143.88 feet deep and is improved with a two-story frame residence and garage.

109 South Gregory Street, Urbana......................................... 24,250

The property consists of a lot 60.10 feet on Gregory Street by 143.88 feet deep and is improved with a two-story and basement frame dwelling.

The improvements on the above three properties will be removed and the land will be used to replace parking facilities which will be discontinued when construction of the Illinois Street Residence Halls is started. Possession will be delivered not later than October 5, 1962, and taxes will be prorated.

While the sale prices of these three properties are in excess of appraisals secured by the University, it is believed that they can not be reduced through further negotiations. However, because of the cost of condemnation proceedings, the loss of time in litigating such cases and the uncertainty as to decisions which might be reached, it has been concluded that such procedure would not be warranted in acquiring these properties.

Funds for the purchase of the properties at 107 and 109 South Gregory Street, Urbana, are available from the proceeds of sale of Housing Revenue Bonds or from Housing Division Reserves. Funds for the purchase of the properties at 1105 West Illinois Street and 204 North Romine Street are available in the state appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.
Actions on the foregoing recommendations were taken separately as to the property at 204 North Romine Street, Urbana, and the three properties on West Illinois Street and South Gregory.

On motion of Mr. Pogue, purchase of the property at 204 North Romine Street, Urbana, at a price of $16,000 was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

On motion of Mr. Pogue, purchase of the properties at 1105 West Illinois Street, Urbana, 107 and 109 South Gregory Street, Urbana, at the prices indicated was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONSTRUCTION OF PARKING LOTS IN THE VICINITY OF THE ILLINOIS STREET RESIDENCE HALLS

(3) With construction of the Illinois Street Residence Halls in the area between Illinois Street, Lincoln Avenue, Green Street, and Goodwin Avenue, Urbana, automobile parking facilities in that general area now providing approximately 310 spaces, designated as temporary, will be discontinued. These spaces are primarily used by residents of the Single Graduate Student Residence Halls on Green Street and of the Student-Staff Apartments on Green Street and Goodwin Avenue, with some use by academic staff and University visitors.

As the result of studies made, the following replacement program is recommended:

<table>
<thead>
<tr>
<th>Number of Spaces</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Improve lots at 107 and 109 South Gregory Street and at 907 West Green Street for rental at a rate of $5.00 per month to occupants of the Graduate Student Residence Halls (56 and 46 spaces, respectively)</td>
</tr>
<tr>
<td>2. Retain in the existing lot approximately 140 spaces and rent these spaces at a rate of $5.00 per month to occupants of the Student-Staff Apartments</td>
</tr>
<tr>
<td>3. Improve for rental at a rate of $5.00 per month to occupants of the Student-Staff Apartments, until the start of construction of the Faculty Club, the present property at 1110 West Illinois Street (25 spaces)</td>
</tr>
<tr>
<td>4. Improve and install parking meters on two lots at 1109 and 1111 West Illinois Street (capacity, 62 spaces) for rental at a rate comparable to charges in municipal parking lots to academic staff, and if these spaces are not fully occupied, open them to visitors</td>
</tr>
<tr>
<td>5. Improve the two lots at 1103 and 1105 West Illinois Street for academic staff use on a free basis, and retain approximately 62 spaces in existing permanent lots in the immediate area for rent to academic staff at the annual rental rate of $60.00 per year</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

The above program will leave a net loss of sixty parking spaces.

It is estimated that the total cost of improvements to provide these parking facilities will be approximately $41,000.

Funds are available for the construction from the proceeds of sale of Housing Revenue Bonds or from Housing Division Reserves. Income from the parking meters and rentals will be used to retire the cost of capital improvements to remove existing houses, garages, etc., and construction.

Bids for the recommended improvements will be received on October 3, 1962, and in order to complete the work prior to the time construction starts on the Illinois Street Residence Halls, it is necessary to start construction of the new parking areas as soon as possible thereafter.

Accordingly, it is requested that the Executive Committee of the Board meet as soon as feasible after opening the bids to act on recommendations for awards.
of these contracts. (Subsequently, it was agreed by all members of the Executive Committee that October 5 would be a convenient date for this meeting.)

I concur in the foregoing recommendations.

On motion of Mr. Swain, these recommendations were approved, and the Physical Plant Department was authorized to proceed with the implementation of this program of improvements.

The Board reconvened in public session. There being no further business, a recess was taken for luncheon and an informal speaking program.

POST LUNCHEON SPEAKERS
Dean Stanley C. Robinson of the Division of University Extension addressed the Board on the operations of Allerton House and the programs of the Division which are carried on there.

Mr. Walter M. Keith, Professor of Landscape Architecture and Director of Allerton Park, reported on the operation of the Park.

Professor Donald G. Smith of the Department of Agricultural Economics also addressed the Board, reporting on the operations of the Allerton Farms, which are under the management of the Department and under his immediate supervision, and the income from which is used for the maintenance of Robert Allerton Park.

Dean Robinson introduced other members of the staff of the Division of University Extension and of Allerton House: Professor Norman W. Johnston, Director of Allerton House, Eugene H. Schroth, Assistant Director of Allerton House, and Mr. Hugh Davison, Extension Specialist in Charge of Short Courses and Conferences.

MEETINGS OF BOARD COMMITTEES
Meetings of the Committees on General Policy and on Buildings and Grounds were held beginning at 1:30 p.m., following adjournment of the Board.

On motion of Mr. Pogue, the Board adjourned.

A. J. JANATA  
Secretary

HOWARD W. CLEMENT  
President
MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

October 17, 1962

The October meeting of The Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, October 17, 1962, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner and Mr. George T. Wilkins were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. C. Caveny, Assistant to the President, Chicago Office, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel; and the officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
REPORT OF THE EXECUTIVE COMMITTEE
The Secretary submitted a report of the Executive Committee of its actions at a duly called meeting held on October 5, 1962.

MEETING OF THE EXECUTIVE COMMITTEE
On call of the Chairman, a meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held in the Illini Center, LaSalle Hotel, Chicago, Illinois, on Friday, October 5, 1962, beginning at 2:00 p.m.

The following members of the Committee were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, Mrs. Frances B. Watkins. Also present were Mr. Timothy W. Swain, Member of the Board, Comptroller H. O. Farber, Director C. S. Havens of the Physical Plant, Mr. James J. Costello, Legal Counsel, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, and Mr. A. J. Janata, Secretary of the Board.

The Committee considered the following reports and recommendations submitted on behalf of the President of the University, and took the actions indicated.

CONTRACTS FOR CONSTRUCTION OF PARKING FACILITIES
(1) The Board of Trustees has approved a program for the construction of automobile parking facilities on properties either now owned by the University, or which the University is acquiring, in the vicinity of the Graduate Student Residence Halls on Green Street, and the Student-Staff Apartments on Green Street and Goodwin Avenue in Urbana, to replace parking facilities on the site of the Illinois Street Residence Halls.

Bids on the construction of the new parking facilities, according to the program approved by the Board, including demolition of structures on ten properties, were received on October 3. Submitted herewith is a report from the Physical Plant Department on the bidding, and a copy is being filed with the Secretary of the Board for record.

As reported to the Board, funds are available in Housing Division reserves which will be advanced to finance this project, and will be repaid from the income from the rentals of parking spaces. It is therefore recommended that a contract be awarded to the Champaign Asphalt Company, Champaign, in accordance with its total firm lump sum price of $48,972.45, with the right reserved to delete any division to which the University is not given possession within the required time, or is not vested with title satisfactory to the University Legal Counsel.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins; no, none; absent, none.

LITIGATION INSTITUTED BY DONALD VREULS
(2) The University has recently been named as an additional defendant in a suit originally filed against the city of Champaign in the Circuit Court of Champaign County (No. 61 L 347) by Donald Vreuls and his wife. The complaint alleges that Mr. Vreuls sustained injuries on May 30, 1961, during the progress of a water fight between numerous students of the University of Illinois and seeks recovery therefor from both the City and the University. The Legal Counsel states that in his opinion the University should resist the claim and the jurisdiction of the Circuit Court over the University in this proceeding. He requests that the Board of Trustees authorize him to take appropriate action to oppose and defend the claim in all respects, and to employ such special legal counsel as he may deem necessary or desirable to assist him in connection therewith.

The President of the University concurs.

On motion of Mrs. Watkins, authority was given as requested.
PURCHASES

(3) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The President of the University concurs.

Chicago Colleges and Divisions

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One spectrophotometer and accessories consisting of one power supply, twelve quartz cells, one cell adapter, and one calibration unit</td>
<td>Aeromedical Laboratory</td>
<td>Farrand Optical Co., Inc., New York, N.Y.</td>
<td>$3,466.00 delivered</td>
</tr>
<tr>
<td>One spectrophotometer and accessories consisting of one monochromator, one lamp housing, one power supply unit, one sample changer, and one indicator unit</td>
<td>Clinical Research Center</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$4,980.00 delivered</td>
</tr>
<tr>
<td>Modernization and updating of one model 314X Tri-carb spectrometer to make it equal to current model 314EX-1</td>
<td>Radiology</td>
<td>Packard Instrument Co., Inc., La Grange</td>
<td>$4,800.00 delivered</td>
</tr>
</tbody>
</table>

Urbana-Champaign Departments

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printing of 3,000 copies special mosaic soil map of Johnson County, Illinois</td>
<td>Agronomy</td>
<td>National Survey Co., Chester, VT.</td>
<td>$4,040.40 f.o.b.</td>
</tr>
<tr>
<td>One fermentor drive assembly complete with bath heaters, stainless steel filters, and continuous adjustable speed regulation; the equipment will be used for mass growth of microorganisms under controlled conditions in research on the biosynthesis of proteins by the Biochemistry Division of the Department of Chemistry and Chemical Engineering</td>
<td>Chemistry and Chemical Engineering</td>
<td>New Brunswick Scientific Co., Inc., New Brunswick, N.J.</td>
<td>$3,935.00 f.o.b.</td>
</tr>
<tr>
<td>One lot of laboratory apparatus including two spectrophotometers and accessories, thermometers, solution bottles, vials, pipette assemblies, blenders and magnetic stirrers for stock in the General Chemical Storeroom</td>
<td>General Chemical Stores</td>
<td>Schaar Scientific Co., Chicago</td>
<td>$5,967.80 f.o.b. delivered</td>
</tr>
<tr>
<td>Plexiglass, sheet, rod and tube, assorted for stock</td>
<td>General Chemical Stores</td>
<td>Cadillac Plastic Co., St. Louis, Mo.</td>
<td>$3,002.32 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and fold 35 issues, 2,700 copies per issue, &quot;Channel 12 Newsletter&quot; for the period October 15, 1962, through October 14, 1963</td>
<td>Television-Motion Pictures</td>
<td>Quality Service Press, Mansfield</td>
<td>$2,621.50 f.o.b. delivered</td>
</tr>
<tr>
<td>400 cases napkins, paper, size 12 in. x 1.5 in., packed 12,000 per case</td>
<td>Office Supply Storeroom</td>
<td>Wesservelt Paper Co., Inc., Decatur</td>
<td>$4,800.00 f.o.b. delivered</td>
</tr>
<tr>
<td>400 cases tissue, cellulose, sanitary cleansing, white, size 8.5 in. x 9.5 in., 36 boxes per case, 400 single sheets per box (estimated twelve-month supply)</td>
<td>Office Supply Storeroom</td>
<td>Doeckin Products, Inc., New York, N.Y.</td>
<td>$2,747.24 f.o.b. delivered</td>
</tr>
<tr>
<td>Paper pads, writing type, 100 sheets each, as follows: 2,000 lbs. 3 in. x 5 in., white, not ruled</td>
<td>Office Supply Storeroom</td>
<td>W. M. Putnam Co., Bloomington</td>
<td>$7,711.00 f.o.b. delivered</td>
</tr>
<tr>
<td>2,000 lbs. 6 in. x 6 in., white, not ruled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,000 lbs. 5.5 in. x 8.5 in., white, not ruled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10,000 lbs. 8.5 in. x 11 in., white, not ruled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6,000 lbs. 8.5 in. x 11 in., canary, not ruled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 gross 8.5 in. x 11 in., white, ruled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 gross 8.5 in. x 11 in., canary, ruled</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were authorized.

On motion of Mr. Johnston, the Committee adjourned.

WAYNE A. JOHNSTON
FRANCES B. WATKINS
HOWARD W. CLEMENT

A. J. JANATA

Clerk

Chairman
BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT’S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

During this presentation, Mr. Ajit Prasad Jain, Member of Parliament of India and Chairman of the Board of Management of the Uttar Pradesh Agricultural University in India, who is an official guest of the University of Illinois this week, was introduced and invited to stay for the Board meeting. He was accompanied by Dr. Royden Dangerfield, Dean of Administration and Director of International Programs at the University.

BIENNIAL OPERATING BUDGET FOR 1963-65

(1) The estimates of state appropriations required for operations for the University during the biennium of 1963-65 are submitted herewith. These budget estimates have been prepared by the Executive Vice-President and Provost in consultation with the University's budget Committee, of which he is Chairman, and with the deans, directors, and other administrative officers. The estimates prepared by the colleges and institutes and other departments of the University have been carefully studied, revised, and in most cases substantially reduced. The University Council has also been consulted.

I recommend that these budget estimates be approved for filing with the State Department of Finance and for presentation to the state administration and all other state agencies involved in budget procedures.

President Henry then discussed the recommendations in the several categories of the budget estimates. Supporting statements were made by Executive Vice-President and Provost Laniel and Vice-President and Comptroller Farber.

Mr. Williamson reported that the Finance Committee and several of the other Trustees in a special work session had previously studied the budget recommendations in consultation with the President and other University officials and that the Committee was prepared to support the recommendations as submitted.

Following the presentations by the President and other University officials, and further discussion, on motion of Mr. Williamson the following budget was approved, and the President of the University was authorized to file it with the State Department of Finance and for presentation to the state administration and all other state agencies involved in budget procedures; and the President of the Board, the Chairman of the Finance Committee, and the President of the University were authorized to represent the Board in conferences with state officials concerning the budget.

This action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

1 Lyle H. Lanier, Executive Vice-President and Provost, Chairman; Herbert O. Farber, Vice-President and Comptroller; Norman A. Parker, Vice-President for the Chicago Undergraduate Division; Joseph S. Begando, Vice-President for the University of Illinois at the Medical Center; Frederick T. Wall, Dean of the Graduate College (Ex Officio Members); A. T. Malinosky, Assistant Professor of Accountancy, Chicago Undergraduate Division; J. Nelson Young, Professor of Law; James A. Yaeger, Assistant Professor of Histology, Medical Center (from the Senate); Gerald M. Almy, Professor of Physics and Associate Head of the Department; Robert W. Rogers, Professor of English and Head of the Department; O. Burr Ross, Professor of Animal Science and Head of the Department (from the faculty at large); Royden Dangerfield, Associate Provost and Dean of Administration; Gustav J. Froehlich, Director of the Bureau of Institutional Research (Staff Associates).
The biennial budget of the University of Illinois includes only those funds that are appropriated by the General Assembly. These legislative appropriations are called "General Funds," and for the current biennium they will account for approximately 62 per cent of the University's expenditures for all purposes. The following is a breakdown of the 1961-63 biennial budget, showing the two sources of General Funds and their allocation over the two years of the biennium:

<table>
<thead>
<tr>
<th>Source of Funds</th>
<th>1961-62</th>
<th>1962-63</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Revenue (Tax) Fund</td>
<td>$63,500,000</td>
<td>$66,200,000</td>
<td>$129,700,000</td>
</tr>
<tr>
<td>University Income Fund</td>
<td>7,528,000</td>
<td>7,528,000</td>
<td>15,056,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$71,028,000</td>
<td>$73,728,000</td>
<td>$144,756,000</td>
</tr>
</tbody>
</table>

In addition to these General Funds, the University receives financial support in the form of gifts, grants, and contracts from many outside sources, including the federal government, private foundations, industry, and individual donors. Furthermore, the University operates various auxiliary enterprises that are largely self-supporting, such as residence halls, the union building, and bookstores. The income from these various sources represents about 38 per cent of the funds expended annually by the University. Since the use of such funds is limited to designated purposes, they are called "Restricted Funds" and do not require appropriation by the General Assembly.

The following table presents a comparison of expenditures of the two types of funds, for the two fiscal years of the present biennium:

<table>
<thead>
<tr>
<th></th>
<th>1961-62</th>
<th>1962-63</th>
<th>Per cent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Funds</td>
<td>$71,028,000</td>
<td>$73,728,000</td>
<td>63</td>
<td>$144,756,000</td>
</tr>
<tr>
<td>Restricted Funds</td>
<td>42,063,231</td>
<td>44,989,410</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$113,091,231</td>
<td>$118,717,410</td>
<td>100</td>
<td>$232,808,641</td>
</tr>
</tbody>
</table>

From the two foregoing tables it can be seen that state-tax funds account for only about 56 per cent ($66,200,000) of the total of expenditures anticipated by the University in 1962-63. University income provides an additional 6 per cent ($7,528,000) to bring the appropriation of General Funds to 62 per cent ($73,728,000) of the over-all total.

Based upon figures for 1961-62, annual expenditures for the main types of University operations are approximately as follows, in terms of percentages:

- 39 per cent for instruction (mostly General Funds)
- 29 per cent for research (mainly Restricted Funds)
- 11 per cent for extension and public service, exclusive of Research and Educational Hospitals (about equally divided between General and Restricted Funds)
- 8 per cent for Research and Educational Hospitals (mainly General Funds)
- 13 per cent for self-supporting auxiliary enterprises and student aid (Restricted Funds)

These percentages reflect both the direct and the indirect costs of the indicated functions. That is to say, the expenses of administration, retirement benefits, library, and physical plant have been allocated to the several classes of operations, approximately in proportion to their respective direct costs.

The average cost of undergraduate instruction in 1961-62 was $1,162 per student for the Urbana-Champaign campus and $1,068 for the Chicago Undergraduate Division (two-year program only). The unit costs of graduate and professional education are considerably higher, but these students constitute less than 25 per cent of the total enrollment. It is estimated that the average over-all

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1 All figures in this statement include funds for the Police Training Institute, for which a separate appropriation was received in 1961-63. Since the budget for the Institute will be included in the University's regular operating appropriation for 1963-65, the Institute's budget for 1961-63 has been consolidated here with that of the University in order to facilitate comparisons of the two sets of biennial figures.
cost per student for all types of on-campus instruction in 1961-62 was slightly more than $1,400.

Special attention is called to the fact that the Research and Educational Hospitals in Chicago require about 8 per cent of the University's income for operations. Only an eighth of these costs is offset by fees collected from patients—a situation quite different from that in certain other major universities whose hospitals are entirely self-supporting. A similar item is the provision of funds for the Division of Services for Crippled Children—$1,778,180 for 1962-63—within the University's regular budget for operations. It is important to recognize these components of the University's budget, since the latter is sometimes compared with those of other institutions, without knowledge or recognition of the differences due to the inclusion of heavy items for public-service activities in its legislative appropriations.

Preparation of the Biennial Budget Requests for 1963-65

The biennial budget requested for 1963-65 is based upon recommendations made by the University Budget Committee, an all-University committee appointed by the President. The Executive Vice-President and Provost serves as chairman and the other members include the Vice-President and Comptroller, the Vice-President for the University of Illinois at the Medical Center, the Vice-President for the Chicago Undergraduate Division, the Dean of the Graduate College, the chairmen of the budget committees of the Senates on the three campuses, and three members-at-large.

The preparation of the biennial budget covered a period of approximately six months, beginning in the spring of 1962. The work began with a general request from the Chairman of the University Budget Committee addressed to deans, directors, and general administrative officers concerning the general conditions to be faced by the University during the biennium 1963-65. Estimates of enrollment were provided to all instructional departments and administrative officers, together with information concerning existing instructional loads and trends since 1954. All departments and divisions were requested to submit estimates of funds needed to handle increased enrollment, to meet the costs of operating new buildings, to overcome deficiencies in staff and expense budgets for current levels of operation, and to provide funds for essential improvements in academic programs.

The analysis of needs and the development of budget estimates for 1963-65 presented unusual difficulties and uncertainties. Principally, these related to the expected opening of the new campus at Congress Circle in September, 1964—an opening date that has been assumed in the preparation of the 1963-65 budget request. One set of problems concerned the estimation of the dates of completion of the new buildings and of the time required to get them into condition for occupancy by the scheduled opening date. More difficult, however, was the prediction of enrollment at the new campus where students in the Chicago Undergraduate Division will be able for the first time to complete their work for baccalaureate degrees. There was also the related uncertainty as to what concurrent changes in enrollment might occur at the Urbana-Champaign campus, since no definitive basis existed for estimates of how the Urbana-Champaign enrollment would be affected by the opening of the new campus. Enrollment predictions were nevertheless made by the Bureau of Institutional Research, and the figures adjusted by the Budget Committee in the light of departmental estimates and of the availability of office, laboratory, and classroom space. The latter was calculated by the Central Office on the Use of Space and the Space Planning Office of the Physical Plant Department. It was assumed that the new campus at Congress Circle would have adequate facilities for the expected enrollment if construction could be completed by September, 1964.

The Budget Committee gave careful attention to various proposals for salary increases, and attempted to estimate the extent of salary improvement that would be necessary to maintain the position of the University of Illinois among comparable universities in the United States. The increasing competition from other universities and that from industry in certain fields were important considerations in this study.

When the University Budget Committee had completed its budget recommendations, they were submitted to the President of the University. After review by the President, the proposed biennial budget was presented for ap-
praisal to the University Council, consisting of the deans and directors of all administrative units. In the light of the Council's advice, the President submitted his recommendations to the Board of Trustees for action.

**Summary of Biennial Budget Requests for 1963-65**

Including increases required by law and those required to maintain the present level of expenditure, the requests for additional funds submitted by the deans and directors, plus the increases for salary adjustments recommended by the Budget Committee, totaled $40,286,808 for the biennium. This figure is slightly lower than the over-all increase requested for 1961-63 ($41,144,325). Considering that less than 50 per cent of the latter amount was finally appropriated for 1961-63, and the fact that an extraordinary increase will be required for the Congress Circle campus in 1964-65, the total of increases requested by the deans and directors for the biennium 1963-65 is a relatively moderate one.

Nevertheless, in the effort to hold the 1963-65 budget to a level required to meet urgent needs, the biennial increase finally proposed to the General Assembly is some 20 per cent below the figure representing the original college and departmental requests. As shown in Schedule A (below), an increase of $31,044,000 above the appropriations for 1961-63 (an average of $15,522,000 per year) is requested by the University for the biennium of 1963-65. This represents an increase of 21 per cent over the amount appropriated for the current biennium. The total is $175,800,000 in General Funds for 1963-65, $15,500,000 of which would come from University income and the remainder of $160,300,000 from the tax revenues of the state.

Special attention is called to the sharp increase in operating costs for the second year of the biennium (1964-65), mainly due to the opening of the new campus at Congress Circle. The increases for the latter are shown separately in Schedule A, and it can be seen that it will be necessary to add $3,590,000 in 1964-65 for that purpose alone. In addition, the sum of $3,000,000 is requested for further salary adjustments for the staff on all three campuses in 1964-65, and $360,000 additional for the operation of new buildings completed at Urbana-Champaign for use in 1964-65. Thus the requested biennial budget of $175,800,000 would be divided between the two years of the biennium as follows: $84,425,000 for 1963-64; $91,375,000 for 1964-65. It is important for future planning to record that the difference of $6,950,000 would have to be added to the total appropriated for the biennium 1965-67 in order to continue in that biennium the level of operations reached during the second year of the biennium 1963-65.

In the following pages, detailed explanations are given for the increases requested under each of the major sections in Schedule A (below). Later sections present analyses of the funds requested in accordance with the object classifications required under the State Finance Act, including the special breakdowns required by action of the Seventy-second General Assembly.

**Schedule A. Increases Requested in the 1963-65 Biennial Budget**

(All amounts are for two years except as noted.)

<table>
<thead>
<tr>
<th>Recommended Increases</th>
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</thead>
<tbody>
<tr>
<td>1. Contributions to University Retirement System</td>
</tr>
<tr>
<td>2. To Continue for a Full Biennium Funds Required for One Year Only in the 1961-63 Biennium</td>
</tr>
<tr>
<td>3. Salary Adjustments for All Staff:</td>
</tr>
<tr>
<td>A. 1963-64 (for two years)</td>
</tr>
<tr>
<td>B. 1964-65 (for one year)</td>
</tr>
<tr>
<td>4. To Provide for Increased Enrollment in 1963-64 (for two years):</td>
</tr>
<tr>
<td>A. Instructional Staff (Urbana-Champaign and Medical Center)</td>
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<tr>
<td>B. Nonteaching Staff, Expense, and Equipment</td>
</tr>
<tr>
<td>1. Urbana-Champaign and Medical Center</td>
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<tr>
<td>2. Congress Circle</td>
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<tr>
<td>5. To Provide for Increased Enrollment in 1964-65 (for one year):</td>
</tr>
<tr>
<td>A. Instructional Staff (Congress Circle)</td>
</tr>
<tr>
<td>B. Nonteaching Staff, Expense, and Equipment (Congress Circle)</td>
</tr>
</tbody>
</table>
VI. To Meet Increased Cost of Operation:

A. Operating Costs of New Buildings in 1963-64 (for two years)
   (Schedule B, page 176)
   1. Urbana-Champaign and Medical Center .......................... $ 1,571,100
   2. Congress Circle ............................................. 1,000,000

B. Operating Costs of New Buildings in 1964-65 (for one year)
   (Schedule B, page 176)
   1. Urbana-Champaign and Medical Center .......................... 360,000
   2. Congress Circle ............................................. 590,000

C. Increases to Maintain Present Level of Services
   1. Increases in Expense and Equipment to Meet Rising Costs
      and Accumulated Deficiencies ................................... 1,500,000
   2. Increases in Auxiliary Staff to Meet Accumulated
      Deficiencies (Schedule C, page 177) ........................... 1,073,000

VII. Improvements in Educational Programs .......................... 707,000

Total Increases ...................................................... $ 31,044,000

Present Biennial Budget ............................................. $144,756,000

Proposed Biennial Budget ............................................ $175,800,000

Fund Distribution

<table>
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<tr>
<th>General Revenue</th>
<th>Income Fund</th>
<th>Total</th>
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<td>$15,056,000</td>
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<tr>
<td>Increase</td>
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<td>444,000</td>
</tr>
<tr>
<td>Proposed Budget</td>
<td>$160,300,000</td>
<td>$15,500,000</td>
</tr>
</tbody>
</table>

Explanation of Increases Requested

I. CONTRIBUTIONS TO UNIVERSITY RETIREMENT SYSTEM ................... $742,900

The University Retirement System provides disability and retirement benefits to all permanent staff members and employees of the University, of all other state institutions of higher education, and of related organizations. The University of Illinois' share of the cost of the System is included regularly in its appropriations. An increase of $742,900 for the biennium is required to continue the benefits provided under the law, mainly because of the larger number of persons who will be on retirement.

II. TO CONTINUE FOR A FULL BIENNIAL FUNDS REQUIRED FOR ONE YEAR ONLY IN THE 1961-63 BIENNIAL ................................. $2,700,000

For the current year of the biennium 1961-63 the University's budget as appropriated by the General Assembly included $2,700,000 for increases in 1962-63 above the level for 1961-62. This is shown on page 165 where the budget from General Revenue funds for 1961-62 is given as $63,500,000 while that for 1962-63 is $66,200,000. More money was required in the second year of the biennium due to increased enrollment and to further salary adjustments. This is the kind of difference discussed above concerning the larger budget requested for 1964-65 due to the occupancy of the new campus at Congress Circle and to further salary adjustments for the second year of the biennium.

The increase of $2,700,000 is necessary to enable the University to continue throughout the biennium 1963-65 the level of expenditures reached during the second year of the current biennium.

III. SALARY ADJUSTMENTS FOR ALL STAFF

A. 1963-64 ............................................................... $9,000,000

B. 1964-65 ............................................................... $3,000,000

Academic Staff. The University's original request for salary increases in the last biennium (1961-63) totaled $14,600,000, an amount judged to be necessary to enable the University to retain its present staff and to recruit additional faculty in the face of the increasing heavy competition from other universities and from industry. The total finally appropriated, $8,650,000, was only 59 per cent of the amount requested. Although considerable improvement in salaries was made possible by the increased appropriation, it was barely sufficient to enable the
University to hold its own in the face of increasingly sharp competition for high-quality academic personnel.

The overriding condition that faces the University of Illinois, as well as other institutions of higher education, is a sharp increase in enrollment at a time when the supply of adequately-trained college teachers has shown a relative decline. In part, this has been due to increasing competition from nongladi
tional occupations; but it has been due also to the fact that the 1930's and the following war years had a relatively low birth rate. This has meant a relative deficiency of candidates for the teaching profession at a time when college enrollments have been steadily rising and when they soon will begin to accelerate at an even sharper rate due to the postwar jump in the birth rate. In addition, a steadily-rising proportion of high school graduates is seeking admission to college.

The situation at the University of Illinois in the competition for faculty will be unusually difficult because of the large increase in staff required for the new campus at Congress Circle. In addition, substantial increases in graduate enrollment at Urbana-Champaign will cause increased demand for instructors in advanced courses, especially in the physical sciences and engineering. It would be especially unfortunate in these circumstances if the University were not in position to compete successfully for faculty of high quality. The increases requested for salary improvement should enable the University to hold its own among other comparable institutions; it will probably not permit any gain in standing, and certainly little if any improvement relative to other professions.

Nonacademic Staff. The Director of Nonacademic Personnel has urged strongly that funds be provided to enable the University to meet the continuing increase in prevailing rates as established by collective bargaining within the community, and also to maintain the University's competitive position as regards other categories of nonacademic personnel. So far as possible, an equitable relationship must be maintained between the wages that are determined through negotiation and the salaries and wages for other groups.

Of special importance are the salaries of administrative and managerial personnel, as well as those in certain technical categories, where competitive forces outside the local community influence salary scales. The University must maintain its competitive position or else lose highly-skilled personnel to other universities and to industry.

The opening of the new campus at Congress Circle in Chicago will result in a sharp expansion of nonacademic divisions, which in turn will require that the University keep pace with prevailing wage and salary scales if its recruitment is to be successful.

IV. To PROVIDE INCREASED ENROLLMENT IN 1963-64

A. Teaching Staff ....................................... $ 2,740,000

As in the biennium 1959-61, enrollment at the University of Illinois for the biennium 1961-63 exceeded considerably the estimates on which the biennial appropriations for increased enrollment were based. There was an excess of 500 students in 1960-61 over the expected enrollment, which was absorbed without additional appropriation. In 1961-62, an increase of 1,000 students had been predicted whereas the actual increase was 1,247—some 247 students above the number provided for in the budget. In 1962-63, an increase of 800 students had been anticipated in the biennial budget, but the estimated increase above 1961-62 is approximately 1,100 students—300 above the figure used in budget estimates. For the biennium 1961-63, this means that enrollment increased by about 550 students beyond the estimated total provided for in the biennial budget. Although these increases have been absorbed without budget increases for staff and other costs, this has not been done without creating deficiencies in certain areas, especially in the provision for laboratory expense and equipment in the natural sciences and engineering.

A slight increase in enrollment is expected at the Medical Center campus in 1963-64, mainly in the Colleges of Nursing and Pharmacy. No increase is anticipated at the Chicago Undergraduate Division, since enrollment is now at capacity in the temporary quarters at Navy Pier. A net increase of 1,183 students has been predicted for Urbana-Champaign, distributed as follows: a decline of 255 at the freshman-sophomore level, partly offsetting the surplus noted
for the preceding biennium; an increase of 1,010 at junior-senior level; an increase of 428 at the graduate-professional level.

The estimate of total funds needed has been based on the following standards: freshman-sophomore level, fifteen full-time-equivalent (FTE) students per full-time-equivalent instructor; junior-senior level, twelve full-time-equivalent students per full-time-equivalent instructor; graduate-professional level, seven full-time-equivalent students per full-time-equivalent instructor. Average salaries of $8,000, $9,000, and $10,000 have been assumed for these three levels, respectively, in calculating the salary funds needed. (Since a slight decrease in enrollment is predicted at the freshman-sophomore level, a corresponding deduction was made in arriving at the amount needed.)

B. Nonteaching Staff, Expense, and Equipment

1. Urbana-Champaign and Medical Center..............................$ 2 060 000
2. Congress Circle ......................................................$ 1 000 000

It seems desirable to separate the estimate for Congress Circle from that for the other two campuses, in accordance with the breakdown shown in Schedule A (page 167). For 1963-64, the need at Congress Circle is for administrative, technical, and clerical staff that will be needed to plan for the move to the new campus. Heads of departments, for example, will be needed to recruit staff for the increased enrollment expected in 1964-65. Administrative and clerical staff must be added in the Office of Admissions and Records, the Business Office, the Library, and the Physical Plant Department. The total of $500,000 per year for the two years of the biennium is considerably below the amounts requested by the administrative officers in the various units concerned.

The increased enrollment expected at Urbana-Champaign and at the Medical Center will require substantial increases in nonteaching staff and in expense and equipment budgets. The total requested will cover all kinds of "indirect costs" associated with instruction and with student services. After a careful analysis of the existing relationship between teaching and nonteaching (indirect) costs, it was determined that the latter would be approximately 75 per cent of the former if adequate provision is to be made in the budget for enrollment increases. This figure will be too low if the enrollment at advanced (especially graduate) levels increases disproportionately in the laboratory sciences.

V. To PROVIDE FOR INCREASED ENROLLMENT IN 1964-65 OVER THE 1963-64 LEVEL

A. Teaching Staff (Congress Circle only)..............................$ 1 770 000

With the opening of the Congress Circle campus in September, 1964, it has been assumed that there will be a drop in undergraduate enrollment at Urbana-Champaign, most heavily in the freshman class but also in the junior class which in the past has received a substantial number of transfer students from the Chicago Undergraduate Division. Although lacking relevant data for making definitive predictions in the new situation, the Bureau of Institutional Research estimated tentatively that the over-all decline in undergraduate enrollment at Urbana might be as high as 1,800 students. To offset this drop, however, the Bureau predicted a sharp increase in graduate enrollment that might run to more than 1,400 students. After lengthy study of both sets of predictions, and of the various conditions that might well combine to upset them, it was decided to assume that the two conflicting trends would virtually cancel each other in terms of their net impact upon budgetary requirements. So no additional funds are requested for increased enrollment at Urbana-Champaign in 1964-65. An increase of 100 students was predicted for the Medical Center, but here, too, it was decided not to request increased funds on the assumption that the increases requested for 1963-64 could be utilized so as to meet the needs for the following year.

Admittedly, these assumptions and calculations might turn out to be quite inaccurate, and substantial increases in applications for undergraduate admission might occur at Urbana-Champaign in 1964-65. In that event, the budgetary provision will be seriously inadequate and some limitation upon enrollment might be necessary.

With respect to Congress Circle, it is assumed that there will be an increase of 3,035 students in 1964-65, bringing the total for the new campus to approxi-
naturally 7,635 students. It is estimated that 2,335 would be at freshman-sophomore level while 700 would be at junior-senior level. The latter estimate in particular might turn out to be too low, since the offering of degree programs at the Chicago Undergraduate Division might induce many students who now drop out to continue in college until graduation. Furthermore, the number of transfer students might be substantial—a possibility given little weight in the estimates of the Bureau of Institutional Research.

The instructional staff required was determined by the standards indicated above to be 156 full-time-equivalent teachers for freshman-sophomore instruction and 58 for junior-senior instruction. At the assumed average salaries of $8,000 and $9,000, respectively, the sum of $1,770,000 would be needed to provide these salaries for a single year (1964-65).

B. Nonteaching Staff, Expense, and Equipment (Congress Circle) $1,230,000

The amount needed for the nonteaching costs of instruction at Congress Circle in 1964-65 was assumed to be 75 per cent of the instructional-salary costs as determined above—in addition to the physical-plant costs, which are represented by items in section VI of Schedule A (Page 168) and are discussed in a following section. The physical-plant costs for the new campus will be substantially higher per student than the present inadequate facilities at Navy Pier. Furthermore, the operating costs related more directly to instruction will be higher, when expansion of organization and programs takes place. It has been assumed, therefore, that all three types of budget increases shown for Congress Circle in Schedule A will be necessary to (a) transfer the existing staff and student body to that campus, and (b) to accommodate an enrollment increase of 3,035 students. (The three types of increases relate to teaching staff, nonteaching staff and expenses, and physical-plant costs.) A check on the validity of this assumption is provided partly by a determination of the estimated cost per student under the budgetary and enrollment conditions stipulated for the Congress Circle campus for 1964-65.

The total budget for the Chicago Undergraduate Division in 1962-63 is $4,900,000. This includes all direct and indirect costs of operations at Navy Pier, but does not include whatever indirect costs might be attributable to the general administrative offices at Urbana-Champaign. With an enrollment of approximately 4,600 students for the current year, the average cost per student is $1,065.

From the figures shown in Schedule A, a total of $4,590,000 would be added to the 1962-63 budget for the Chicago Undergraduate Division by 1964-65—to bring the total figure for that year to $9,490,000. This would include direct costs of instruction, physical-plant costs, and other indirect costs of instruction. With an estimated enrollment of 7,635 students, the average cost per student in 1964-65 would be $1,243. This is only $178 per student more than the present per capita cost at Navy Pier. This figure would be somewhat increased by salary increases that might be granted to the existing staff at Navy Pier by 1964-65. Even so, the estimated average cost per student seems quite moderate for the city of Chicago in 1964-65, considering the very substantial expansion in the facilities available and the great improvement in their quality. Furthermore, the facilities to be completed in Phase I at Congress Circle can accommodate an increase possibly to 9,000 students without appreciable increases in physical-plant costs. This would tend to lower the per capita cost, as an offset to salary and other increases in cost of operation.

VI. TO MEET INCREASED COSTS OF OPERATION

A. OPERATING COSTS OF NEW BUILDINGS IN 1963-64

1. Urbana-Champaign and Medical Center. $1,571,100

The Seventy-first General Assembly appropriated $48,500,000 for the construction of new buildings and other capital improvements at Urbana-Champaign and the Medical Center campus. Most of these buildings will be completed and occupied in 1963. The costs of operation and maintenance (janitor service, utilities and maintenance, but not the educational programs carried out in the buildings) based upon experience with similar buildings, is estimated to be $785,550 for 1963-64 or $1,571,100 for the biennium. The amounts for each building are shown in Schedule B (Page 176).

2. Congress Circle $1,000,000
The budget request for the operation and maintenance of the new buildings at the Congress Circle campus is based upon the completion and acceptance of the buildings by the University as follows:

- **Heating Plant** — starting up operations during December, 1963
- **Physical Plant Building** — February, 1964
- **Library** — February, 1964
- **Classroom Clusters** — April, 1964
- **Engineering and Sciences Laboratories** — April, 1964
- **Lecture Center** — June, 1964
- **Staff and Administration** — July, 1964

At least thirty days prior to acceptance, University operating personnel will run acceptance tests on the building equipment under the supervision of the architect's staff. This will require that the buildings be supplied with high-temperature hot water, electricity, etc., prior to acceptance, and hence operating personnel for the heating plant must be employed. As soon as the buildings are accepted by the University, moving into the buildings will commence and this will require operating and maintenance personnel, including police service. Heat, light, and power will be the principal item of increase, since starting operations of the heating plant will require electricity, and the entire 12,000-volt University distribution system will have to be tested and put into operation at that time in order to supply the buildings that are approaching completion. The period from December on is the greatest portion of the heating season, requiring maximum use of fuel.

The costs to be incurred at Congress Circle in 1963-64 are estimated to total $500,000, or approximately one-fourth the annual operating cost of $2,105,000.

**B. Operating Costs of New Buildings in 1964-65**

1. **Urbana-Champaign and Medical Center** .................. $360,000

The remainder of the buildings provided from the capital appropriation will be completed by July, 1964, and will require operating expenditure of $360,000, as detailed in Schedule B (page 176).

2. **Congress Circle** ........................................... $590,000

The estimated cost of physical-plant operations at the Congress Circle campus, plus the Navy Pier drill hall, which will continue to be used for physical education instruction, is $2,105,000 a year. After deducting the present budget for the operation and maintenance of the Navy Pier campus ($1,015,000) and the funds requested for 1963-64 ($500,000), the additional cost for 1964-65 amounts to $590,000.

**C. Increases to Maintain Present Level of Services**

The deans and directors requested increases totaling slightly more than $7,000,000 for the biennium to be used to overcome accumulated deficiencies and to meet the rising costs of existing programs. Enrollment increases in excess of budgetary provision, growing complexity and an increasing rate of obsolescence of scientific equipment, rising costs of modern hospital care, growing demand for technical personnel in science and engineering laboratories—all these factors, as well as the gradual upward drift in prices and miscellaneous wages, have combined to produce acute deficiencies and pressing needs throughout the University.

1. **Increases in Expense and Equipment Funds** .. $1,500,000

The index in commodity prices, prepared by the National Association of Purchasing Agents, has increased approximately 4 per cent in the past two years. While the prices of some commodities have remained fairly stable, others have increased more than this amount. In the 1961-63 biennial budget, the University requested $2,700,000 to meet accumulated deficiencies in expense and equipment budgets, but only about one-third of this amount was made available. The present asking, therefore, represents a deficiency existing two years ago which has not been met. As noted earlier, the University has absorbed an enrollment increase of about 550 more students than was provided for in the 1961-63 budget. In the meantime, prices have continued to rise and the postal increase effective in

1. Examples of expense items are office supplies, travel, postage, chemicals and glassware for laboratories, contractual services (i.e., telephones, IBM rentals), repairs to equipment, fuel (coal and oil), water, supplies used in plant maintenance, rentals.
January, 1963, will require approximately $150,000 in additional funds for the biennium.

The University's equipment appropriation of $3,200,000 is adequate to replace the existing equipment inventory only once in about every twenty to twenty-five years, while the most expensive type of equipment for scientific laboratories becomes obsolete in less than half of that time. The requested increase will help to meet the needs resulting from unanticipated increases in enrollment and also to improve the replacement-schedule for equipment.

The present level of appropriations to the Physical Plant Department will permit painting of interior walls only once in eighteen years, with two wall washings in the interim.

Two areas of special need are the Research and Educational Hospitals and the Division of Services for Crippled Children. Even after enforcing rigid economies, the Research and Educational Hospitals are unable to operate within the funds presently budgeted for them. They have requested an increase of $644,000 in expense and equipment budgets, of which $437,000 represent urgent and long-standing deficiencies. A major portion of the Division of Services for Crippled Children budget goes for hospital care of patients who are approved for treatment. Hospital costs have been increasing by approximately 10 per cent each year. It is estimated that $268,000 will be needed for increased costs of hospital care alone. Failure to receive this increase will mean that fewer children can be treated for physical handicaps.

Requests from deans and directors totaled $3,475,930 for increases to correct deficiencies in expense and equipment budgets. The Budget Committee, after careful consideration, concluded that $1,500,000 was the minimum amount needed for this purpose.

2. Increases for Auxiliary Staff to Offset Accumulated Deficiencies

The deans and directors reported an increasing deficiency in auxiliary personnel throughout the University, and several stressed this need as being more important than any other facing them. A biennial total of $3,691,262 was requested to provide administrative, technical, and clerical personnel in support of instruction, research, and public-service activities.

Inadequate staff provision related to increased enrollment has been most acutely felt in the Office of Admissions and Records, the Library, the Business Office, and the various offices for student services. Many departments are also understaffed in clerical personnel due to increasing work loads without commensurate staff additions.

The hospitals and clinics need more nursing and technical personnel to try to keep pace with the growing manpower requirements of modern diagnostic and therapeutic techniques in medicine. The Research and Educational Hospitals are hard-pressed to measure up to acceptable standards of present-day medical education and research—so severe is the shortage of hospital personnel in all major categories. The Director has estimated that a total of 54 full-time-equivalent additional staff members are needed to overcome these deficiencies.

The teaching and research laboratories in many science and engineering departments require more technical assistance in order to be most effectively used. The extensive and complex instrumentation required by modern science and technology can not be effectively utilized without adequate technical staff. The funds available in recent years have been seriously insufficient to permit these departments to expand their staffs in these areas on the scale demanded by technological development and increased enrollment.

A careful study of departmental requests was made, and a list of the individual positions that seemed to be most urgently needed was compiled. A summary of the funds required to support these positions is presented in Schedule C (page 177), grouped by colleges and other divisions. The total is $536,500 on an annual basis or $1,073,000 for the biennium.

VII. INCREASES FOR IMPROVEMENTS IN EDUCATIONAL PROGRAMS........ ($707 000)

In recent years, the University's legislative appropriations have provided little support for new educational programs or for substantial improvements of existing programs. It has been necessary repeatedly to delete such items from biennial budget requests, in order to bring the totals within the limit of available
As a result, the instructional departments have found it increasingly difficult to keep abreast of new developments in their fields. The extent of the University's failure to meet such needs is indicated by the magnitude of the askings in this category from all colleges for 1963-65: $3,640,146.

The majority of these requests represent programs that should be undertaken by an institution such as the University of Illinois. But partly in view of the extraordinary costs involved in the move to the Congress Circle campus, the Budget Committee and the other administrative officers concerned with budget preparation decided that funds would be requested for only a few programs judged to be of very high priority. So the eight programs described in the following paragraphs are proposed for initiation or substantial improvement in 1963-65.

A. College of Engineering

1. Physics of the Upper Atmosphere (biennial amount)...........$80,000

To strengthen the University's graduate training and research in the space and atmospheric sciences. In addition to the work in other departments—heavily supported by Federal funds—2.0 full-time-equivalent physicists are needed to provide graduate instruction and research in this central area where the University has no staff at present. The salary of a clerical employee (1.0 full-time-equivalent) and funds for expense and equipment would comprise the remainder of the budget. Outside funds in at least an equal amount would be expected for the support of research in this area, including research assistantships for graduate students.

2. Molecular Electronics (biennial amount).........................$60,000

To provide staff for graduate instruction in solid-state devices and integrated electronics (including miniaturization of circuits). This would permit the Department of Electrical Engineering to take fuller advantage, in its graduate training, of the new Materials Research Laboratory. Most of the cost would be met from federal funds, but the latter can not be used for instruction in regular courses. The budget item would permit the addition of 1.0 full-time-equivalent professor and 1.0 full-time-equivalent associate professor plus funds for expense and equipment.

3. Nuclear Engineering (biennial amount)..........................$40,000

The interdepartmental program in nuclear engineering should be strengthened to take advantage of recent advances in the relatively new field of “Plasma Physics,” which makes it possible to conduct fundamental studies related to the development of thermonuclear systems outside the large National Laboratories supported by the Atomic Energy Commission. The budget item would provide for the salary of a senior professor plus funds for expense and equipment needed in instruction. The greater part of the cost of the program (the laboratory facilities) would be provided from federal funds granted to the Departments of Physics and Electrical Engineering and to the Coordinated Science Laboratory.

B. College of Liberal Arts and Sciences

1. Department of Linguistics (biennial amount)..............$121,000

The University has a relatively strong graduate program in linguistics, presently administered by an interdepartmental committee. Since there is no Department of Linguistics as such, the staff consists of faculty members from the cooperating departments (Anthropology, English, the modern languages, Psychology, Speech). It is proposed to establish a small department with a core of faculty members interested in linguistics as a fundamental discipline and also responsible for service courses in certain non-Western languages. These would include elementary instruction in Hindi, Chinese, Japanese, and Arabic for the support of language and area studies, mainly in the program described below. The personnel requirement would be: 1.0 full-time-equivalent professor; 3.0 full-time-equivalent assistant professors in 1963-64; 2.0 full-time-equivalent assistant professors in 1964-65; 1.0 full-time-equivalent clerk stenographer III; $1,000 for expense and equipment.

In addition to the graduate program in linguistics and research in the fundamental discipline of linguistics, this department would conduct experimentation in language instruction in connection with its conduct of instruction in non-Western languages. There would be no intention to develop instructional programs in these languages beyond the elementary level. The purpose of this
instruction would be to provide the tools necessary for the study of non-Western culture, not to train experts in foreign languages and literature.

2. A Program of Asian Studies (biennial amount) .............. $158,000

For more than two years the faculty and the administration have been considering the University's responsibilities for expanding work in non-Western studies. As a result of this extensive review, including the work of various committees and conferences, there is general agreement that the University should expand its relatively meager programs in the broad field of international studies. India, Southeast Asia, China, and Japan are possible areas of study—or some combination of these four. The choice would depend partly upon the offerings at other universities in this region, partly upon the availability of distinguished scholars, and partly upon national need.

Aside from the director of the program (1.0 full-time-equivalent professor), the staff would consist of 4.0 full-time-equivalent assistant professors (assigned to supporting departments in the social sciences) and a half-time secretary. A total of $30,000 would need to be added to the budget of the Library, including funds for approximately 3.0 technical library personnel (acquisitions and cataloging). It should be noted that the teaching staff would help to provide instruction for the increased number of students in 1963-65.

C. College of Medicine

1. Continuing Medical Education (biennial amount) ............. $85,000

The broad purpose of this program is to furnish physicians from Illinois and elsewhere with opportunities to acquire the most modern medical knowledge and to improve their skills and thus enable them to render the best possible medical care to their patients. To achieve this objective it will be necessary for the College of Medicine to continue to support unstintingly the many existing non-University postgraduate programs, to enhance and expand existing University programs, and to establish new intramural and extramural programs of several kinds as rapidly as circumstances will permit.

The intramural programs should include (a) new courses for specialists in highly technical fields, i.e., surgery and specialties of surgery, obstetrics, ophthalmology (these programs should be patterned after the successful courses in otolaryngology and bronchoesophagology now being offered annually); (b) new short-course programs describing "new developments" for practitioners of general medicine; and (c) patient-centered programs for small numbers of physicians working on the wards and in the clinics of the University's teaching hospitals.

Extramural programs would center initially around short-course offerings scheduled at appropriate intervals in strategically-located centers within the State. Such programs would include the subject matter of the sciences basic to medicine as well as the subject matter of clinical medicine.

A subsidiary but no less important aim of the program of postgraduate or continuing education of the physician is to improve the climate for medical practice in the outlying regions of Illinois and thus provide added inducements to medical graduates to choose these areas as locations in which to practice. The full achievement of this objective will take time and great effort and may involve sharp departures from the University's present program of resident training. New elective offerings to undergraduate medical students may be indicated also. These possibilities are now under consideration by appropriate administrative units and faculty committees, and the implementation of the programs agreed upon will take place as soon as funds can be provided.

The staff requirements for 1963-65 would be as follows: 1.0 full-time-equivalent coordinator; .33 full-time-equivalent professional staff (part-time salaries and stipends for guest participants); 1.0 full-time-equivalent clerk-stenographer III. The remainder of the budget would consist in funds for office expense, travel, and other miscellaneous expenses.

2. A School of Associated Medical Sciences (biennial amount) .. $102,000

The hospitals and other agencies in Illinois concerned with health problems are in acute need of medical technicians, medical librarians, and other technical personnel for the support of medical practice and research.

This problem has been studied intensively for some time, both in the College of Medicine and in the College of Liberal Arts and Sciences. It has been agreed that cooperative baccalaureate programs in several areas are desirable and that
they should be centered administratively in a "School of Associated Medical Sciences" within the College of Medicine. Generally speaking, students would begin their work in the College of Liberal Arts and Sciences (either at Urbana or at the Chicago Undergraduate Division), with the terminal year or years spent in the College of Medicine. The existing program in occupational therapy would be assigned to the School for administrative purposes. Initially, two new programs are proposed: (a) a curriculum in medical technology, and (b) a curriculum in medical-records library science. Future curricula probably would include physiotherapy and x-ray technology.

The annual proposed budget of $51,000 would provide salaries for the following personnel: 1.0 full-time-equivalent director; 1.5 full-time-equivalent assistant professors; 1.0 full-time-equivalent instructor; 2.0 full-time-equivalent clerk-stenographers.

D. College of Nursing

A Graduate Program (M.S.) in Nursing Education (biennial amount) ................................................................. $61,000

No university in the state of Illinois now offers graduate training for teachers of nursing. The need is acute, and a program can be initiated in the College of Nursing at relatively low cost. The additional personnel budget would include 2.0 full-time-equivalent associate professors (one in pediatric nursing and the other in obstetrics) and 1.0 full-time-equivalent clerk-typist.

Schedule B. Funds Requested for Operation of New Buildings, 1963-65

VI-A. 1963-64 (for two years)

<table>
<thead>
<tr>
<th>Urbana-Champaign</th>
<th>Amount for Two Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineering Addition</td>
<td>$84,550</td>
</tr>
<tr>
<td>Library Addition</td>
<td>71,650</td>
</tr>
<tr>
<td>Physics Addition</td>
<td>196,940</td>
</tr>
<tr>
<td>Plant Sciences Building</td>
<td>213,380</td>
</tr>
<tr>
<td>Physical Plant Service Building</td>
<td>250,080</td>
</tr>
<tr>
<td>University Press Addition</td>
<td>72,730</td>
</tr>
<tr>
<td>Digital Computer Laboratory</td>
<td>38,230</td>
</tr>
<tr>
<td>Veterinary Medicine Research Annex</td>
<td>39,640</td>
</tr>
<tr>
<td>Central Receiving Station</td>
<td>23,050</td>
</tr>
<tr>
<td>Armory Addition</td>
<td>59,150</td>
</tr>
<tr>
<td>Burnsides Research Laboratory</td>
<td>55,840</td>
</tr>
<tr>
<td>Power Plant Addition</td>
<td>36,950</td>
</tr>
<tr>
<td>Remodeled Areas</td>
<td>14,830</td>
</tr>
</tbody>
</table>

**Total Urbana-Champaign** $1,157,020

Medical Center

| Medical Science Addition | $391,050 |
| Remodeled Areas | 23,030 |

**Total Medical Center** $414,080

VI-B. 1964-65 (for one year)

<table>
<thead>
<tr>
<th>Urbana-Champaign</th>
<th>Amount for One Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce Building</td>
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<tr>
<td>Education Building</td>
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<tr>
<td>Office-Classroom Addition</td>
<td>47,675</td>
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<tr>
<td>Rehabilitation Center</td>
<td>29,280</td>
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<tr>
<td>Water Resources Addition (State Water Survey)</td>
<td>21,340</td>
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<tr>
<td>Remodeled Areas</td>
<td>6,740</td>
</tr>
</tbody>
</table>

**Total Urbana-Champaign** $331,870

Medical Center

| Remodeled Areas | $28,130 |

**Congress Circle Campus** $590,000

Note: In addition to this amount, the budget for plant operation and maintenance at Congress Circle in 1964-65 will include the amount in the present budget for Navy Pier ($1,019,180) and the item of $500,000 provided for 1963-64 (see VI-A, above).
## Summary of Funds for Operation of New Buildings

<table>
<thead>
<tr>
<th>Campus</th>
<th>1963-64</th>
<th>1964-65</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbana-Champaign and Medical Center</td>
<td>$1,571,100</td>
<td>$360,000</td>
<td>$1,931,100</td>
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<tr>
<td>Congress Circle</td>
<td>1,000,000</td>
<td>590,000</td>
<td>1,590,000</td>
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<tr>
<td><strong>Total</strong></td>
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<td>$950,000</td>
<td>$3,521,100</td>
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## Schedule C. Increases in Auxiliary Staff to Meet Accumulated Deficiencies

### Annual Basis

<table>
<thead>
<tr>
<th>Urbana-Champaign</th>
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<tbody>
<tr>
<td>College of Agriculture</td>
<td>$16,400</td>
</tr>
<tr>
<td>College of Commerce and Business Administration</td>
<td>3,000</td>
</tr>
<tr>
<td>College of Education</td>
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<tr>
<td>College of Engineering</td>
<td>58,300</td>
</tr>
<tr>
<td>College of Fine and Applied Arts</td>
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<tr>
<td>Graduate College</td>
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</tr>
<tr>
<td>College of Journalism and Communications</td>
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<tr>
<td>College of Liberal Arts and Sciences</td>
<td>90,200</td>
</tr>
<tr>
<td>College of Physical Education</td>
<td>41,000</td>
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<tr>
<td>Jane Addams Graduate School of Social Work</td>
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</tr>
<tr>
<td>Jane Addams Extension</td>
<td>10,000</td>
</tr>
<tr>
<td>Office of the Dean of Students</td>
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</tr>
</tbody>
</table>

### Medical Center

| College of Dentistry                       | $21,300 |
| College of Medicine                        | 36,500  |
| College of Nursing                         | 15,200  |
| College of Pharmacy                        | 6,500   |
| Research and Educational Hospitals         | 60,000  |
| Office of the Director of Student Affairs  | 10,000  |

### All-University Offices and Divisions

| Office of Admissions and Records           | $20,000 |
| Business Office                            | 13,000  |
| University Library                         | 32,600  |
| Physical Plant Department                  | 19,500  |
| Statistical Service Unit                   | 22,800  |

**Total Annual Amount**

$536,500

**Total Biennial Amount**

$1,073,000

## Schedule D. Comparative Schedule of Biennial Operating Appropriations by Object Classification and Fund, 1963-65

### General Revenue

<table>
<thead>
<tr>
<th>Appropriations</th>
<th>1961-63</th>
<th>1964-65</th>
<th>Appropriation Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Services</td>
<td>$104,306,700</td>
<td>$120,000</td>
<td>$130,334,300</td>
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<tr>
<td>Contractual Services</td>
<td>10,003,500</td>
<td>10,003,500</td>
<td>12,000,000</td>
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<tr>
<td>Travel</td>
<td>559,000</td>
<td>559,000</td>
<td>800,000</td>
</tr>
<tr>
<td>Commodities</td>
<td>4,201,500</td>
<td>4,201,500</td>
<td>5,500,000</td>
</tr>
<tr>
<td>Equipment</td>
<td>2,501,500</td>
<td>2,506,500</td>
<td>3,000,000</td>
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<tr>
<td>Retirement Contributions</td>
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<td>5,122,800</td>
<td>5,865,700</td>
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<tr>
<td>Permanent Improvements</td>
<td>450,000</td>
<td>450,000</td>
<td></td>
</tr>
<tr>
<td>Appliances and Physical Examinations</td>
<td>250,000</td>
<td>250,000</td>
<td>300,000</td>
</tr>
<tr>
<td>Hospital and Medical Services</td>
<td>2,300,000</td>
<td>2,300,000</td>
<td>2,500,000</td>
</tr>
<tr>
<td>Contingencies</td>
<td>5,000</td>
<td>(1)</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$129,700,000</td>
<td>$129,700,000</td>
<td>$160,300,000</td>
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</table>

### University Income Fund

<table>
<thead>
<tr>
<th>Appropriations</th>
<th>1961-63</th>
<th>1964-65</th>
<th>Appropriation Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Services</td>
<td>$6,575,000</td>
<td>$7,475,000</td>
<td>$4,875,000</td>
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<td>Contractual Services</td>
<td>1,000,000</td>
<td>2,300,000</td>
<td>1,000,000</td>
</tr>
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1 Allocated to above items.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel</td>
<td>$100 000</td>
<td>$450 000</td>
<td>$100 000</td>
</tr>
<tr>
<td>Commodities</td>
<td>800 000</td>
<td>1 700 000</td>
<td>800 000</td>
</tr>
<tr>
<td>Equipment</td>
<td>700 000</td>
<td>1 100 000</td>
<td>700 000</td>
</tr>
<tr>
<td>Awards and Grants</td>
<td>550 000</td>
<td>650 000</td>
<td>594 000</td>
</tr>
<tr>
<td>Workmen’s Compensation</td>
<td>75 000</td>
<td>100 000</td>
<td>100 000</td>
</tr>
<tr>
<td>Student Loan Matching</td>
<td>56 000</td>
<td>56 000</td>
<td>56 000</td>
</tr>
<tr>
<td>Permanant Improvements</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refunds</td>
<td>200 000</td>
<td>325 000</td>
<td>275 000</td>
</tr>
<tr>
<td>Contingencies</td>
<td>5 000 000</td>
<td>(1)</td>
<td>6 000 000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$15 056 000</td>
<td>$15 056 000</td>
<td>$15 500 000</td>
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<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Services</td>
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<td>$111 781 700</td>
<td>$135 209 300</td>
</tr>
<tr>
<td>Contractual Services</td>
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<td>12 303 500</td>
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<tr>
<td>Travel</td>
<td>659 000</td>
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<td>900 000</td>
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<td>Commodities</td>
<td>5 001 500</td>
<td>5 901 500</td>
<td>6 300 000</td>
</tr>
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<td>Equipment</td>
<td>3 201 500</td>
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<td>Retirement Contributions</td>
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<td>5 122 800</td>
<td>5 865 700</td>
</tr>
<tr>
<td>Awards and Grants</td>
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<td>594 000</td>
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<td>Workmen’s Compensation</td>
<td>75 000</td>
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<td>100 000</td>
</tr>
<tr>
<td>Student Loan Matching</td>
<td>56 000</td>
<td>56 000</td>
<td>56 000</td>
</tr>
<tr>
<td>Permanant Improvements</td>
<td>450 000</td>
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<td>1 000 000</td>
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<tr>
<td>Refunds</td>
<td>200 000</td>
<td>325 000</td>
<td>275 000</td>
</tr>
<tr>
<td>Appliances and Physical Examinations</td>
<td>250 000</td>
<td>250 000</td>
<td>300 000</td>
</tr>
<tr>
<td>Hospital and Medical Services</td>
<td>2 300 000</td>
<td>2 300 000</td>
<td>2 500 000</td>
</tr>
<tr>
<td>Contingencies</td>
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<td>6 000 000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<td>$144 756 000</td>
<td>$175 800 000</td>
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</table>

Schedule E. Schedule of Appropriations Requested by Fund, Object, Classification, and Functions, 1963-65

<table>
<thead>
<tr>
<th>General Revenue</th>
<th>Instruction (including Administraion, Research and Extension)</th>
<th>Physical Plant</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Services</td>
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<td>$103 100 000</td>
<td>$16 000 000</td>
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<td>Contractual Services</td>
<td>1 750 000</td>
<td>3 450 000</td>
<td>6 800 000</td>
</tr>
<tr>
<td>Travel</td>
<td>180 000</td>
<td>600 000</td>
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</tr>
<tr>
<td>Commodities</td>
<td>600 000</td>
<td>4 270 000</td>
<td>630 000</td>
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<tr>
<td>Equipment</td>
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<td>2 400 000</td>
<td>450 000</td>
</tr>
<tr>
<td>Retirement Contributions</td>
<td>5 865 700</td>
<td></td>
<td>5 865 700</td>
</tr>
<tr>
<td>Appliances and Physical Examinations</td>
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<td>300 000</td>
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<tr>
<td>Hospital and Medical Services</td>
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<td>2 500 000</td>
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<tr>
<td>Contingencies</td>
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<td><strong>Total</strong></td>
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<td>$116 620 000</td>
<td>$23 900 000</td>
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</table>

<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Services</td>
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<tr>
<td>Contractual Services</td>
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<td>1 000 000</td>
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<tr>
<td>Travel</td>
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</tr>
<tr>
<td>Commodities</td>
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<td>800 000</td>
<td></td>
</tr>
<tr>
<td>Equipment</td>
<td></td>
<td>700 000</td>
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</tr>
<tr>
<td>Awards and Grants</td>
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<td>594 000</td>
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<tr>
<td>Workmen’s Compensation</td>
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</tr>
<tr>
<td>Student Loan Matching</td>
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<td>56 000</td>
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</tbody>
</table>

1 Allocated to above items.
UNIVERSITY OF ILLINOIS

<table>
<thead>
<tr>
<th>Permanent Improvements</th>
<th>Instruction (including Research and Extension)</th>
<th>Physical Plant</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Administration</td>
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<tr>
<td></td>
<td>$1,000,000</td>
<td>$1,000,000</td>
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<tr>
<td>Refunds</td>
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<tr>
<td>Contingencies¹</td>
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<td>($1)</td>
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<td></td>
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</table>

**General Revenue and Income Fund**

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<thead>
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<th>Administration</th>
<th>Instruction (including Research and Extension)</th>
<th>Physical Plant</th>
<th>Total</th>
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<tbody>
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<td>Commodities</td>
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<tr>
<td>Awards and Grants</td>
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</tr>
<tr>
<td>Workmen's Compensation</td>
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<tr>
<td>Student Loan Matching</td>
<td></td>
<td>56,000</td>
<td>56,000</td>
<td></td>
</tr>
<tr>
<td>Permanent Improvements</td>
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<td>1,000,000</td>
<td>1,000,000</td>
<td></td>
</tr>
<tr>
<td>Refunds</td>
<td></td>
<td>275,000</td>
<td>275,000</td>
<td></td>
</tr>
<tr>
<td>Appliances and Physical Examinations</td>
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<td>Hospital and Medical Services</td>
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<td>2,500,000</td>
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</tr>
<tr>
<td>Contingencies¹</td>
<td>($1)</td>
<td>($1)</td>
<td>($1)</td>
<td>($4,000,000)</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>$20,380,000</td>
<td>$123,720,000</td>
<td>$175,800,000</td>
</tr>
</tbody>
</table>

**INSTITUTION FOR TUBERCULOSIS RESEARCH BIENNIAL OPERATING BUDGET FOR 1963-65**

(2) The Institution for Tuberculosis Research was created by the General Assembly for the "production, distribution, and application of the bacillus Calmette-Guerin (BCG), and other methods and materials for the prevention of tuberculosis and for conducting research in tuberculosis." The responsibility for the professional operation and all other management and control of the Institution is vested in the University.

The Executive Vice-President and Provost recommends a budget amounting to $194,000 for the 1963-65 biennium, an increase of $21,000 over the present biennial appropriation. The increase is requested for the following purposes:

One Technician for Extending the Research in Vaccination by the Aerosol Route (without injection) $8,000
Increase in Equipment $2,000
Salary Adjustments $11,000

Total $21,000

I recommend that this budget be approved for filing with the State Department of Finance and presentation to the Illinois Budgetary Commission.

On motion of Mr. Swain, this budget was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

**APPOINTMENTS TO THE FACULTY**

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. **Stanley F. Blount**, Assistant Professor of Geography, Department of Social Sciences, Chicago Undergraduate Division, beginning September 1, 1962, at an annual salary of $7,200 (D).

2. **Anne L. Corbett**, Associate Professor of Library Science, beginning September 1, 1962, at an annual salary of $10,000 (D).

¹ Applies to all funds and is included only in the total column.
3. Donald L. Day, Assistant Professor of Agricultural Engineering, beginning September 1, 1962, at an annual salary of $8,700 (DY).
4. Cecelia M. Fennessy, Assistant Professor of Nursing, beginning September 1, 1962, at an annual salary of $8,000 (DY).
5. John E. Gedo, Clinical Assistant Professor of Psychiatry, College of Medicine, beginning September 1, 1962, on one-fourth time, at an annual salary of $3,500 (DY25).
6. Jean Page Gilbert, Visiting Assistant Professor of Education, for the academic year 1962-63, at a salary of $7,200 (DY).
7. Hans-Dieter Henatsch, Lecturer in the Department of Pharmacology, with rank of Associate Professor, College of Medicine, for six and one-half months from October 15, 1962, at a salary of $6,500 (G).
8. Martin R. Hurtig, Assistant Professor of Architecture and Art, Chicago Undergraduate Division, beginning September 1, 1962, at an annual salary of $7,200 (D).
9. H. Victoria Iverson, Assistant Professor of Hygiene and Medical Adviser for Women, Health Service, Chicago Undergraduate Division, beginning September 15, 1962, on one-half time, at an annual salary of $6,000 (DY50).
10. Shishir Kumar Jogdeo, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of $7,500 (B).
11. Yasuo Komamia, Visiting Research Associate Professor in the Digital Computer Laboratory, Graduate College, for the academic year 1962-63, at a salary of $10,800 (E).
12. Raymond E. Lewkowicz, Assistant Professor of Mathematics, beginning September 1, 1962, at an annual salary of $7,800 (B).
13. James McGarrell, Visiting Professor of Art, for one month from September 17, 1962, at a salary of $1,200 (G).
14. Arnold L. Miller, Assistant Professor of Psychology, beginning September 1, 1962, on one-third time, at an annual salary of $2,600 (D33).
15. Jean Phillips, Visiting Assistant Professor of Education, for the academic year 1962-63, at a salary of $7,200 (E).
16. Harold S. Shulman, Associate Professor of Psychology, beginning September 1, 1962, at an annual salary of $3,300 (D33).
17. Jerry S. Wiggins, Associate Professor of Psychology, beginning September 1, 1962, at an annual salary of $9,500 (A).

On motion of Mr. Dilliard, these appointments were confirmed.

**ADMISSIONS PROCEDURES — DATES FOR ACCEPTING APPLICATIONS FOR ADMISSION**

(4) The All-University Committee on Admissions, the Dean of Admissions and Records, and the Executive Vice-President and Provost recommend authorization of the following policy and procedures governing acceptance of applications for admission to the University.

**A. Specific final (deadline) dates for acceptance of applications for admission and readmission in a given term may be established by the President, upon recommendation of the Dean of Admissions and Records and after consultation with other administrative officers concerned. These dates may vary among the three campuses as special conditions warrant.**

"Applications for admission and readmission" shall mean that the complete file of credentials necessary for action on the application shall have been submitted.

**B. The Dean of Admissions and Records may accept applications after final (deadline) dates under exceptional circumstances which patently justify special consideration.**

**C. Beginning in September, 1963, the following deadline dates on applications for admission and readmission will be established for fall registration at Urbana-Champaign:**

- In the case of foreign students, six weeks prior to the first day of the registration period for the first semester for the fall term of each year.
- In the case of domestic students, two weeks prior to the first day of the registration period of the fall term of each year.
- In the case of foreign students seeking readmission, or foreign applicants
who hold a baccalaureate degree from a college or university in the United States, the regulation covering domestic students will apply.

Adoption of such procedures is deemed necessary in the interests of orderly and systematic consideration of applications. Heretofore, many prospective students who have not previously submitted applications appear during the registration period or even later, hurriedly complete applications, and receive provisional permits which enable them to proceed with registration. Provisional permits are necessary because in most cases the applicants can not present official credentials. Following the registration period, the Office of Admissions and Records determines whether or not such applicants meet the requirements. Such special handling requires additional staff time and results in added expense. Furthermore, the effort to process new applications immediately preceding or during registration interferes with the registration of the large majority of students, old and new, whose credentials have been evaluated and approved.

At the same time there should always be provision for considering the applications of prospective students who have legitimate reasons for delay in filing their applications beyond the deadline, but there would be relatively few such cases. These late applicants could reasonably be required to defer registration until after the regular registration period, if this seemed desirable in order to avoid the difficulties just mentioned. Special procedures would be established for the registration of those late applicants for admission to the Graduate College who had been selected for assistantships or other University appointments.

I concur.

On motion of Mr. Pogue, these recommendations were approved.

REORGANIZATION OF COLLEGE OF EDUCATION

(5) The educational, research, and public service programs of the College of Education have heretofore been administered under nine divisions, which have had informal status, and five other administrative units—the University High School, the Bureau of Educational Research, an Evaluation Unit attached to the Bureau, the Institute for Research on Exceptional Children, and the Teacher Placement Office which also serves the University Council on Teacher Education.

The Dean and the Executive Committee of the College have recommended the reorganization of the College of Education by the establishment of seven departments, each with an Executive Committee and a Chairman:

<table>
<thead>
<tr>
<th>Department</th>
<th>Chairman</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration and Supervision</td>
<td>Associate Professor L. E. McCleary</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>Professor R. Stewart Jones</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>Professor John E. McGill</td>
</tr>
<tr>
<td>History and Philosophy of Education</td>
<td>Professor William O. Stanley</td>
</tr>
<tr>
<td>Secondary and Continuing Education</td>
<td>Professor R. Will Burnett</td>
</tr>
<tr>
<td>Special Education</td>
<td>Professor Samuel A. Kirk</td>
</tr>
<tr>
<td>Vocational and Technical Education</td>
<td>Professor M. Ray Karnes</td>
</tr>
</tbody>
</table>

The University High School, the Bureau of Educational Research, and the Institute for Research on Exceptional Children will be continued as separate administrative units. By administrative approval, the Evaluation Unit has been separated from the Bureau of Educational Research and is now the Office of Educational Testing; and the name of the Teacher Placement Office has been changed to Educational Placement Office.

The University Statutes provide that a new department may be created by the Board of Trustees on vote of the faculty of the college in which the department is to be located and on recommendation of the college and with the approval of the appropriate Senate and of the President. In the present case, the seven departments proposed are not new, in the sense that they will encompass new programs or units of instruction, research, or public service, but will constitute a formal reorganization, administratively, of existing programs which will be the equivalent of the prior informal divisions or units. Hence, action on the recommendation by the Urbana Senate is not indicated; nor does it appear necessary to submit these changes to the State Board of Higher Education for approval since that Board requires only that the State universities report "the establishment of a college, school, division, institute, department or other unit in any field of instruction, research, or public service not heretofore included in the program of the institution."
With the approval of the Executive Vice-President and Provost, acting for the President, the seven departments have been functioning on an informal and unofficial trial basis, under the general administration of the Dean and the Executive Committee of the College. The Dean was requested to provide for elections of executive committees for the new departments, and these committees have been consulted regarding the nominations of chairmen.

The executive officers of the other units have been serving in those capacities for a number of years, and their reappointments were included in the budget for the current academic year when it was approved by the Board of Trustees: David M. Jackson, Principal of University High School; William P. McLure, Director of the Bureau of Educational Research; Samuel A. Kirk, Director of the Institute for Research on Exceptional Children; and J. Marlowe Slater, Head of the Educational Placement Office.

I recommend approval of the foregoing recommendations, including the appointments of the chairmen of the departments for one year from September 1, 1962.

On motion of Mrs. Watkins, these recommendations were approved.

CHANGES IN NAMES OF ADMINISTRATIVE UNITS

(6) The Vice-President for the Chicago Undergraduate Division has recommended that the name of its College of Fine and Applied Arts be changed to "College of Architecture and Art."

The Dean of the College of Physical Education has recommended that the Student Rehabilitation Center and the Program of Intramural Activities be renamed the "Division of Rehabilitation — Education Services" and the "Division of Intramural Activities," and that the executive officer of each be designated as Director.

I concur in these recommendations.

On motion of Mr. Johnston, these changes were approved.

JUSTIN SMITH MORRILL HALL

(7) It is recommended that the new laboratories building south of Burrill Hall, construction of which was financed by grants from the National Institutes of Health, the National Science Foundation, and matching state funds, be named Justin Smith Morrill Hall for Congressman and later Senator from Vermont, Justin Smith Morrill, sponsor of the Land-Grant Act. This name has been approved by the Executive Committee of the School of Life Sciences and the Executive Committee of the University Council.

The University has named the Plant Sciences Building, now under construction, for Jonathan Baldwin Turner, early pioneer in the development of the concepts which underlay the initiation and growth of Land-Grant universities. The state of Illinois, which contributed greatly to the impetus for the Land-Grant movement, should also honor the sponsor of the national legislation under which the University of Illinois was founded. It is especially appropriate to take such action this year, the Centennial of the Land-Grant Act.

The new building will house the Department of Entomology and will also be used by other departments in biology. The building use thus reflects the University's broad interest in research and instruction, the early emphasis upon science, and the cooperative arrangements between the state and federal governments in the encouragement of the program of Land-Grant universities.

On motion of Mr. Dilliard, this recommendation was approved.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

- Statistical Service Unit, Urbana, equipment $ 4,885
- Chicago Undergraduate Division, rental and option to purchase IBM 1620 computer system 18,866
- Horticulture Field Laboratory, improvement of lighting 5,100
- Child Development Laboratory, air conditioning 5,300

Physical Plant
The Vice-President and Comptroller recommends the following appropriation:

**Repair of fire damage to University building at 1208 West Springfield Avenue, Urbana.**

A fire of undetermined origin caused extensive damage to the University three-story, frame building at 1208 West Springfield Avenue, Urbana, which provided offices for the school mathematics project under the direction of Professor Max Beberman of the College of Education. The estimated cost of repairs is $9,300. The building has 3,058 square feet of usable space so that the repairs result in an average cost of $3.04 per square foot. Since other space could not be made available for the estimated cost of the repairs proposed, the Director of the Physical Plant and the Vice-President and Comptroller have recommended an appropriation for this purpose.

**Total**

........................................................ $43,651

I concur.

On motion of Mr. Williamson, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

**AGREEMENT WITH COMMONWEALTH EDISON COMPANY FOR ELECTRICAL SERVICES**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an "excess facilities" agreement with Commonwealth Edison Company, Chicago, for work in connection with improvements to the electrical service at the Medical Center at a cost of $54,132.

During the 1959-61 biennium, the University began a change over of the electrical services to the Research and Educational Hospitals buildings from 4,000-volt service to a more reliable 12,000-volt service. All the work has been designed and a considerable portion completed. A final phase consists of electrical vault improvements and bringing into the campus additional feeders from the Commonwealth Edison system. The work to be done by Commonwealth Edison and paid for by the University includes only that part of the cost of Edison's work necessary for service to the University and includes changing of the transformers in vaults requiring increased capacity, furnishing and installing conduit and cables for two additional 12,000-volt feeders into the campus, rearrangement of switching equipment in four vaults, and cable rearrangement in the Edison system. When this work is completed, the possibility of an electrical outage will have been reduced to the minimum.

The proposed work by the Commonwealth Edison Company will implement in part recommendations in the "Report on Electrical Distribution System, Chicago Professional Colleges Campus," dated May 3, 1950, and is consistent with the long-range plan of improvements previously approved by the Board of Trustees.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, this agreement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

**CONTRACTS FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for extension of the utilities distribution system, the award in each case being to the lowest bidder:

**Construction of Underground Steam Tunnel (Division "FF") from Gregory Hall north on the east side of Wright Street to the service drive north of the Administration Building — Dean Evans Company, Champaign.**

........................................................ $278,839
Installation of Plumbing for Underground Steam Tunnel (Division “GG”) — George S. Walker Plumbing and Heating, Inc., Decatur

Installation of Piping in Underground Steam Tunnel and Underground Cast Iron Conduit Piping (Division “HH”) — M. J. Holleran, Inc., Chicago

Base bid ............................................................... $88 260
Additive alternate for installation of a six-inch high pressure steam main from the University Library north through the new steam tunnel and east to Harker Hall ........................................... 17 600
(The tunnel from Wright Street east to Harker Hall has already been constructed.)

Furnishing and Applying of Thermal Insulation for Piping in Underground Steam Tunnel (Division “II”) — Inland Insulation Company, Chicago

Base bid ............................................................... $17 625
Additive alternate for insulation of six-inch high pressure steam main ........................................... 8 875

Furnishing and Installation of Electrical Materials, including Tunnel Lighting and Power to Miscellaneous Pumps (Division “JJ”) — Square Deal Electrical Contracting, Inc., Urbana

Total ........................................................................... $446 610

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

CONTRACT FOR STEAM SERVICE TO ILLINOIS EYE AND EAR INFIRMARY

(11) The Department of Mental Health has requested that the University furnish steam service to the new Illinois Eye and Ear Infirmary being constructed south of Taylor Street between Wood Street and Wolcott Avenue.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract on the same basis as the University’s contracts with other consumers of steam in the Medical Center District supplied by the Medical Center Steam Company. The requirements of the Infirmary will not exceed 12,000 pounds per year maximum demand which is well within the capacity of the present Medical Center Steam Plant.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

CONTRACT FOR POWER SUPPLIES FOR THE MEDICAL CENTER CAMPUS

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $304,180 to the C and H Electrical Company, Chicago, Illinois, the lowest bidder, for new power supplies for the Research Laboratory and Library Building, Dentistry-Medicine-Pharmacy Building, Second Unit of the Dentistry-Medicine-Pharmacy Building, and the west section of the Research and Educational Hospitals, and network ties between vaults on the Medical Center Campus.

These installations are a phase of the 1961-63 improvements changing the electrical supply from an obsolete and overloaded 4,000-volt system to a new
and more reliable 12,000-volt system and include new duct work, cabling, and switchgear for the buildings listed.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

**EMPLOYMENT OF ARCHITECTS AND ENGINEERS**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of architects and engineers for the following assignments and on the terms indicated:

- **Civil Engineering Building, Urbana-Champaign** — A. Epstein and Sons, Inc., Chicago, with the firm of Richardson, Severns, Scheeler, and Associates, Champaign, as associate architect, for building planning and design, on the basis of a fee of 6 per cent of the construction contract costs, fee to cover building design, preparation of plans, working drawings, specifications, contract documents, and supervision of construction.

- **Addition to Smith Music Hall, Urbana-Champaign** — Lundeen and Hilfinger, Bloomington, on the basis of a fee of 6 per cent of the construction contract costs, fee to cover building design, preparation of plans, working drawings, specifications, contract documents, and supervision of construction.

- **Life Sciences — East Unit, Urbana-Champaign** — Fugard, Burt, Wilkinson, and Orth, Chicago, on the basis of a fee of 5 2/3 per cent of the construction contract costs, fee to cover building design, preparation of plans, working drawings, specifications, and supervision of construction.

- **East Dentistry-Medicine-Pharmacy Addition, Medical Center** — Perkins and Will, Chicago, on the basis of a fee of 6 per cent of the construction contract costs, fee to cover building design, preparation of plans, working drawings, specifications, and supervision of construction.

These firms have been recommended for the specific assignments by the Advisory Committee on the Selection of Architects and Engineers. The Committee on Buildings and Grounds has also been consulted and recommends approval.

I concur in these recommendations.

On motion of Mr. Pogue, these recommendations were approved.

**ADDITION TO CONTRACT FOR ENGINEERING SERVICES ON PLANS FOR COORDINATED SCIENCE LABORATORY**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $4,000 in the contract with Brown, Manthei, Davis, and Mullins, Champaign, Illinois, for additional engineering services in the preparation and revision of working drawings and specifications for mechanical and electrical work in the construction of the Coordinated Science Laboratory.

Funds are available in assignments to the Coordinated Science Laboratory from indirect costs recovered under research contracts.

I concur.

On motion of Mrs. Watkins, this change in contract was authorized.

**AMENDMENT OF GRANT AGREEMENT WITH FEDERAL AVIATION AGENCY**

(15) The Federal Aviation Agency has requested a resolution authorizing acceptance and execution of “First Amendment to Grant Agreement, Project No. 9-11-026-6003, University of Illinois Willard Airport” (Contract Serial No. FA3-586) pertaining to certain improvements at the University of Illinois-Willard Airport for which the Federal Aviation Agency agreed to provide one-half the funds with the state of Illinois, through its Department of Aeronautics, providing substantially the other half, except for the cost of engineering services, which were paid by the University. The purpose of the amendment is to provide for an increase in the federal grant from $97,523 to $98,636.14 (or
$1,113.14) to cover the Federal Aviation Agency's share of the additional and allowable project costs.

Accordingly, I recommend adoption by the Board of the Resolution submitted herewith, and that the Board authorize its execution as indicated therein.

Resolution Authorizing Acceptance and Execution of First Amendment to Grant Agreement Between the United States and the Board of Trustees of the University of Illinois, Champaign-Urbana, Illinois

WHEREAS, the Administrator of the Federal Aviation Agency, pursuant to a request from the University of Illinois, and in order to advance the interests of the United States in civil aviation, has tendered a First Amendment to the Grant Agreement executed between the Administrator of the Federal Aviation Agency, acting for and on behalf of the United States, and The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, with its principal office in the City of Urbana, Illinois, and the State of Illinois, acting by and through its Department of Aeronautics, on December 18, 1959, and December 21, 1959, respectively, covering a project on the University of Illinois Airport, Project No. 9-11-026-6003; and

WHEREAS, it is necessary that the said Amendment to the Grant Agreement be duly and formally accepted by The Board of Trustees of the University of Illinois, Urbana, Illinois; and

WHEREAS, the said Amendment to the Grant Agreement is in the words, figures, and form following:

FIRST AMENDMENT TO GRANT AGREEMENT
University of Illinois Willard Airport
Champaign-Urbana, Illinois
Project No. 9-11-026-6003
Contract Serial No. FA3-586

WHEREAS, the amount of final eligible and allowable and allowed project costs relating to the above-identified project has been determined to be $197,272.28, the Federal share of which is $98,636.14, and said Federal share exceeds the amount of the maximum obligation of the United States under the project Grant Agreement by the amount of $1,113.14; and

WHEREAS, it is determined to be in the interest of the United States that the said Grant Agreement be amended, as authorized by Public Law 183, 81st Congress in the manner and particulars hereinafter set forth.

NOW, THEREFORE, WITNESSETH:

For and in consideration of the benefits which will respectively accrue to the parties hereto, it is hereby mutually agreed by and between the Federal Aviation Agency, for and on behalf of the United States, as Party of the First Part and The Board of Trustees of the University of Illinois and the Department of Aeronautics, State of Illinois, as Parties of the Second Part, that the Grant Agreement on Project No. 9-11-026-6003 be and the same is hereby amended by deletion of the monetary amount "$97,523.00" appearing in numbered Paragraph 1 on Page 2 of Part 1-Grant Offer, and by substitution therefore of the monetary amount of $98,636.14."

In Witness Whereof, the Parties hereto have caused this First Amendment to be executed as of the ................ day of ........................................, 1962.

UNITED STATES OF AMERICA
FEDERAL AVIATION AGENCY

By.............................................................
Acting Chief, Airports Division, Central Region

Approved:.............................................................
Director, Institute of Aviation
University of Illinois

THE BOARD OF TRUSTEES OF
THE UNIVERSITY OF ILLINOIS

(Seal)

Attest:............................................................. By.............................................................
Title............................................................. Title.............................................................
CERTIFICATE OF CO-SPONSOR'S ATTORNEY

I, ......................................................................, acting as Attorney for the Board of Trustees of the University of Illinois (hereinafter called the Co-Sponsor) do hereby certify:

That I have examined the foregoing First Amendment to Grant Agreement and the proceedings taken by the Co-Sponsor relating thereto and find that the execution thereof by the Co-Sponsor has been duly authorized, and is in all respects due and proper and in accordance with the laws of the State of Illinois and further that, in my opinion said First Amendment to Grant Agreement constitutes a legal and binding obligation of the Co-Sponsor in accordance with the terms thereof.

Dated at ................................................... this ............... day of ................................., 1962.

...........................................................................................................
Title...........................................................................................

STATE OF ILLINOIS, acting by and through its Department of Aeronautics

Attest: ...............................................................................
Title ......................................................................................

CERTIFICATE OF CO-SPONSOR'S ATTORNEY

I, ......................................................................, acting as Attorney for the State of Illinois, acting by and through its Department of Aeronautics, (hereinafter called the "Co-Sponsor"), do hereby certify:

That I have examined the foregoing First Amendment to Grant Agreement and the proceedings taken by the Co-Sponsor, the State of Illinois, Department of Aeronautics, relating thereto and find that the acceptance thereof by the said Co-Sponsor has been duly authorized, and that the execution thereof is in all respects due and proper and in accordance with the laws of the State of Illinois, and further, that in my opinion, said First Amendment to Grant Agreement constitutes a legal and binding obligation of the said Co-Sponsor in accordance with the terms thereof.

Dated at ................................................... this ............... day of ................................., 1962.

...........................................................................................................
Title...........................................................................................

NOW, Therefore, in consideration of the benefit to be derived therefrom, Be It, and It Is Herely Resolved by The Board Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, with its principal office in the City of Urbana, Illinois, as follows:

(1) That The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, with its principal office in the City of Urbana, Illinois, accept, and it does hereby accept the First Amendment to the Original Grant Agreement tendered to it by the Administrator of the Federal Aviation Agency, acting for and on behalf of the United States, in the words, figures, and form as hereinabove set forth, to be duly executed in its name and for and in its behalf.

(2) That to accomplish the foregoing, H. O. Farber, Comptroller, be and he is hereby authorized and directed to execute for and in behalf of The Board of Trustees of the University of Illinois, Urbana, Illinois, the said First Amendment to the Grant Agreement, and that A. J. Janata, Secretary, be and he is hereby authorized and directed to attest said execution and to impress thereon the Official Seal of The Board of Trustees of the University of Illinois, Urbana, Illinois.

On motion of Mr. Swain, the resolution was adopted and execution of the same was authorized; Mr. Johnston was recorded as not voting.

PURCHASES FOR FACULTY OF MEDICINE, CHIENGMAI HOSPITAL IN THAILAND

(16) The Executive Vice-President and Provost has been authorized by the
President of the University and the Board of Trustees to act on recommendations for purchases of equipment and supplies for higher education institutions in India, which the University is servicing under contracts with the Agency for International Development and for which funds are supplied by the United States Government, to expedite placement of orders and deliveries.

It is recommended that this authorization be extended to include purchases under the AID contract for services to the Faculty of Medicine, Chiangmai Hospital in Thailand.

On motion of Mrs. Watkins, this recommendation was approved.

PURCHASES

(17) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

**Chicago Colleges and Divisions**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One microscope and photomicrographic accessories</td>
<td>Histology</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$6,213.55</td>
</tr>
<tr>
<td>40,000 tetracycline V capsules, 250 mg.; this product is an antibiotic drug which is used in the treatment of a variety of bacterial infections (this represents a six-month supply)</td>
<td>Pharmacy Stores</td>
<td>Upjohn Co., Chicago</td>
<td>5,340.00</td>
</tr>
</tbody>
</table>

**Urbana-Champaign Departments**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reconstruction of flood control measures at the Vermilion River Observatory (radio telescope) located southeast of Danville</td>
<td>Astronomy</td>
<td>Elton A. Wagner Co., Danville</td>
<td>27,950.00 f.o.b. site</td>
</tr>
<tr>
<td>One centrifuge, automatic, refrigerated, with two rotors and two automatic pipettes, to be used in the research of fractionating cells which contain radioactive constituents under sustained low temperature operations</td>
<td>Botany</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>3,830.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Two grating monochromators for separating soluble compounds in separate colored layers, to be used in research projects in the Photosynthesis Laboratory</td>
<td>Botany</td>
<td>Chicago Apparatus Co., Chicago</td>
<td>4,000.00 f.o.b. delivered and installed including one year free service</td>
</tr>
<tr>
<td>One spectrophotometer, infrared, large size recording, single or double beam, quick scan device, for use in various research programs in inorganic chemistry</td>
<td>Chemistry and Chemical Engineering</td>
<td>Beckman Instruments, Inc., Lincolnwood</td>
<td>4,905.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One centrifuge, automatic, super-speed, refrigerated, with two rotors for use in sustained low temperature operations, suitable for use with corrosive solutions for biosynthesis research</td>
<td>Chemistry and Chemical Engineering</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>2,855.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Fabrication and balancing of two special gyro rotors, vacuum tight, helium filled, leak rate less than 10^-10 STD. CC/SEC.; material, beryllium, sphericity 0.000001 T.I.K., finish 5 micro inches; diameter 2.0035 ± .0005</td>
<td>Coordinated Science Laboratory</td>
<td>Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.</td>
<td>3,000.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One high vacuum evaporator system, large capacity, 400 liters per second organic and hydrocarbon free pumping system, vacuum range to 10^-8 mm Hg</td>
<td>Coordinated Science Laboratory</td>
<td>Varian Associates, Palo Alto, Calif.</td>
<td>16,256.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One magnetic core matrix stack: 256 x 32 word select, approximate core dimensions 0.029 in. O.D., 0.020 in. I.D., 0.0065 in. high, short words divided into four planes of 64 words each, long (1024 bit) words, two-dimensional random-access operation</td>
<td>Digital Computer Laboratory</td>
<td>Electronic Memories, Inc., Los Angeles, Calif.</td>
<td>2,780.00 f.o.b. Los Angeles, Calif.</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>------------------------------</td>
<td>-------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>1,020,000 data processing cards</td>
<td>Digital Computer Laboratory</td>
<td>International Business Machines Corp., Springfield</td>
<td>$ 6 013 32</td>
</tr>
<tr>
<td>60 reels without tape</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>60 reel containers</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>100 reels, each with 2,400 ft. magnetic tape</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Six ribbons, black</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One antenna system, special, for “sum” mode of monopulse operation, installed</td>
<td>Electrical Engineering</td>
<td>Granger Associates, Palo Alto, Calif.</td>
<td>30 780 00</td>
</tr>
<tr>
<td>One centrifuge, superspeed, refrigerated</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>One multiple sample absorbance re-</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>One ultracentrifuge, preparative type with four rotor heads, 195,000 x G speed, large capacity, refrigerated system</td>
<td>Microbiology</td>
<td>LKB Instruments, Inc., Washington, D.C.</td>
<td>4 935 50</td>
</tr>
<tr>
<td>One high vacuum pumping station with vacuum gauges and control unit for use in research on the surface behavior of liquids under high electric field condition by the Electrical Engineering Research Laboratory</td>
<td>Laboratory services for re-balancing sound tracks and other improvements in the Mathematics Project film series, which includes twenty film titles which are jointly owned by the University and the National Educational Television and Radio Center</td>
<td>UlCSC-Mathematics Project</td>
<td>7 866 39</td>
</tr>
<tr>
<td>One oscilloscope, dual trace, plug-in-type preamplifiers, with Null Read-out feature, frequency response DC to 500 KC</td>
<td>Electrical Engineering</td>
<td>Bendix Corp., Computer Division, Chicago</td>
<td>18 500 00</td>
</tr>
<tr>
<td>One universal line coupler to be used to permit coupling of the G-20 Bendix computer system to non-standard peripheral accessory equipment</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>One metallograph, research microscope and camera for visual examination and photography of specimens in bright field, dark field or polarized light illumination, reflected or transmitted light</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>8 434 70</td>
</tr>
<tr>
<td>Ten power supply systems, special, each consisting of two modular power supplies 95-125VAC 50-60 cps input, 20-VDC output variable ±5 per cent; two, ditto, except output voltage 10-VDC; two, ditto, 20VDC output, variable ±10 per cent; all 1.5 amperes</td>
<td>Physics</td>
<td>Technipower, Inc., c/o Kenneth W. Meyers Co., Chicago</td>
<td>10 950 00</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
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</tr>
<tr>
<td>One magnetic resonance stabilizer, field control unit, including</td>
<td>Physics</td>
<td>Harvey-Wells Corp.,</td>
<td>3 453 00</td>
</tr>
<tr>
<td>Gauss probes, oscillator, lock in amplifier, power supply and</td>
<td></td>
<td>Framingham, Mass.</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>amplifier</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>One field ion microscope with polaroid camera and mechanical pump</td>
<td>Physics</td>
<td>Central Scientific Co.,</td>
<td>3 199 00</td>
</tr>
<tr>
<td>One special combination temperature and power controller</td>
<td>Theoretical and</td>
<td>Research, Inc.,</td>
<td>2 947 43</td>
</tr>
<tr>
<td>One automatic programmer-reader</td>
<td>Applied Mechanics</td>
<td>Minneapolis, Minn.</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>One recorder, 6 in. strip chart, eight chart speeds, ten calibrated</td>
<td>Theoretical and</td>
<td>F. L. Moseley Co.,</td>
<td>3 525 00</td>
</tr>
<tr>
<td>spans, 0.2 per cent accuracy with installed re-transmitting</td>
<td>Applied Mechanics</td>
<td>c/o Crossley,</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>potentiometer</td>
<td></td>
<td>Associates, Chicago</td>
<td>Pasadena, Calif.</td>
</tr>
<tr>
<td>One metallographic microscope, camera, and attachments</td>
<td>Theoretical and</td>
<td>W. H. Kessel &amp; Co.,</td>
<td>6 876 77</td>
</tr>
<tr>
<td>One stereoscope and one compound microscope, to be used in</td>
<td>Applied Mechanics</td>
<td>Chicago</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>used in Zoology research programs</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>One ultracentrifuge, preparative type with three rotors with</td>
<td>Zoology</td>
<td>Eric Sobotka Co., Inc.,</td>
<td>3 737 00</td>
</tr>
<tr>
<td>capacities of 15 milliliters, 100 milliliters, and 940 milliliters,</td>
<td></td>
<td>New York, N.Y.</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>refrigerated, speeds up to 196,000 rpm.</td>
<td>Zoology</td>
<td>Spinc Division,</td>
<td>9 803 20</td>
</tr>
<tr>
<td>120 lessons on film and tape produced by the Encyclopedia Britannica</td>
<td>University High School</td>
<td>Encyclopaedia Britannica</td>
<td>3 000 00</td>
</tr>
<tr>
<td>22 films, 16 mm., miscellaneous, color and black and white</td>
<td>University Press</td>
<td>Wilmette Sedimentary School,</td>
<td>2 574 00</td>
</tr>
<tr>
<td>Print and bind 15,000 copies of <em>Charting the Universe</em>, approximately</td>
<td>Education,</td>
<td>George Banta Co.,</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>80 pages per copy, trim size 8½ in. by 11 in.</td>
<td>Elementary Education</td>
<td>Chicago</td>
<td>delivered</td>
</tr>
<tr>
<td>Print and bind 25,000 copies <em>High School Mathematics</em>, units 1</td>
<td>University Press</td>
<td>George Banta Co.</td>
<td>30 083 60</td>
</tr>
<tr>
<td>through 4, student edition, approximately 708 pages per copy, trim</td>
<td></td>
<td>Chicago</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>size 8½ in. by 11 in.</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>Print and bind 4,000 copies <em>High School Mathematics</em>, unit 1,</td>
<td></td>
<td></td>
<td>3 180 00</td>
</tr>
<tr>
<td>student edition, approximately 164 pages per copy, trim size 8½ in.</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>by 11 in.</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>One portable basketball floor for the Assembly Hall, 60 ft. by 120</td>
<td>Assembly Hall</td>
<td>Cincinnati Floor Co.,</td>
<td>16 500 00</td>
</tr>
<tr>
<td>ft., wood construction, rubber cushioned, designed for</td>
<td></td>
<td>Cincinnati, Ohio</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>single-upright basketball backstop installations; the floor will</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>be completely finished and fitted</td>
<td></td>
<td></td>
<td>and</td>
</tr>
<tr>
<td>Fifteen storage trucks, caster wheel mounted</td>
<td></td>
<td></td>
<td>installed</td>
</tr>
<tr>
<td>Furnish and install low-frequency radio paging system to include</td>
<td>Illini Union</td>
<td>Motorola Communications &amp;</td>
<td>5 740 00</td>
</tr>
<tr>
<td>base station, 20 radio receivers, and 10 lapel speakers</td>
<td></td>
<td>Electronics, Inc.,</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>80 receivers, television, hotel type, table model, 19-inch screen,</td>
<td>Illini Union</td>
<td>Lee School Supply Co.,</td>
<td>10 054 00</td>
</tr>
<tr>
<td>to be furnished and installed in guest rooms of the Illini Union</td>
<td></td>
<td>Inc., Terre Haute, Ind.</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Building Addition</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>Paper, English finish, book, white, as follows:</td>
<td>Office Supply Storeroom</td>
<td>Decatur Paper House, Inc.,</td>
<td>14 392 55</td>
</tr>
<tr>
<td>800 reams, 25 by 38 - 60 lb.</td>
<td></td>
<td>Decatur</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>350 reams, 22½ by 35 - 49½ lb.</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>150 reams 25 by 38 - 70 lb.</td>
<td></td>
<td></td>
<td>15 654 87</td>
</tr>
<tr>
<td>702 steel office chairs, upholstered, swivel, posture, and side</td>
<td>Office Supply Storeroom</td>
<td>Milwaukee Metal Furniture Co.,</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>chairs; deliveries are to be made to Urbana and Chicago storerooms</td>
<td></td>
<td>Chicago</td>
<td>delivered</td>
</tr>
<tr>
<td>on three shipping dates, namely, November 15, 1962, January 7, 1963,</td>
<td></td>
<td></td>
<td>15 654 87</td>
</tr>
<tr>
<td>and April 15, 1963</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>One street sweeper, self-propelled by gasoline engine, two cubic yard capacity complete with two gutter brushes and 49-inch wide main brush with a total sweeping swath of 8 ft. 6 in., to be used by Physical Plant Department to maintain parking lots, streets, and bicycle lanes</td>
<td>Physical Plant</td>
<td>Scruggs-Drake Equipment, Inc., Decatur</td>
<td>$8,309.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Seventy-one parking meters, sealed, single-cylinder type collection system, to be furnished and installed in the Illini Union drive and the parking lot at 601-03-05 East Healey Street, Champaign</td>
<td>Physical Plant</td>
<td>Duncan Parking Meter Co., Division of Nauter Corp., Chicago</td>
<td>4,230.54 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Special replacement parts for stoker No. 5 at Abbott Power Plant, as follows: 100 grate bars, 20 ½ in. pins for chain, 2 top support rails, side, 2 rear corner support rails</td>
<td>Physical Plant</td>
<td>Detroit Stoker Co., Monroe, Mich.</td>
<td>2,726.50 f.o.b. Monroe, Mich.</td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were authorized.

**COMPTROLLER'S REPORT OF CONTRACTS**

(18) The Comptroller's report of contracts executed during the period September 1 to 30, 1962.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. and W. H. Corson, Inc.</td>
<td>Prospectus for lime-pozzolan mixtures</td>
<td>$3,125.00</td>
<td>July 1, 1962</td>
</tr>
<tr>
<td>Dairy Industries Supply Association, Inc.</td>
<td>Study of problems relating to the dairy industry</td>
<td>2,050.00</td>
<td>September 14, 1962</td>
</tr>
<tr>
<td>Edison Electric Institute</td>
<td>Study of electrical heating</td>
<td>74,000.00</td>
<td>September 10, 1962</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR-63</td>
<td>Photoproduction of mesons in liquid hydrogen bubble chamber</td>
<td>47,050.00</td>
<td>July 1, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 29 (601) $535</td>
<td>Study of the dynamic soil-structure interaction characteristics of real soil media</td>
<td>79,377.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>United States Army DA-31-124-ARO (D)-35</td>
<td>Synthesis, reactions, and structures of certain sulfur-nitrogen compounds</td>
<td>56,311.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-10-031</td>
<td>Rule-guided behavior and strategies in teaching</td>
<td>121,849.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$383,762.00</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>State's Attorney of Piatt County</td>
<td>Payment, in lieu of taxes, for services rendered (Allerton and Warren)</td>
<td>$11,362.64</td>
<td>July 9, 1962</td>
</tr>
</tbody>
</table>

**Leases**

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delta Alumni of Sigma Phi Delta, Inc.</td>
<td>905-905½ South Fifth Street, Champaign, from September 1, 1962, to June 30, 1963</td>
<td>$5,500.00 (ten months rental)</td>
<td>July 31, 1962</td>
</tr>
</tbody>
</table>

**Contract Changes**

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Cyanamid Co.</td>
<td>Systemic insecticides for control of insects on wheat</td>
<td>$1,000.00</td>
<td>June 25, 1962</td>
</tr>
<tr>
<td>American Society of Heating, Refrigerating, and Air Conditioning Engineers</td>
<td>Steam and condensate flow in pipes</td>
<td>5,000.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
<td>Amount to be Paid to the University</td>
<td>Effective Date</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>------------------------------------------------------</td>
<td>-------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>American Steel &amp; Wire Division</td>
<td>Behavior of deformed wire fabric in concrete</td>
<td>$1 200 00</td>
<td>April 27, 1962</td>
</tr>
<tr>
<td>Bendix Corp.</td>
<td>High temperature thermal properties of ceramic-metal combinations</td>
<td>$5 28 656 25</td>
<td>September 15, 1962</td>
</tr>
<tr>
<td>Griffin Wheel Co.</td>
<td>Improvement of cast steel railway car wheels</td>
<td>$13 489 29</td>
<td>June 14, 1962</td>
</tr>
<tr>
<td>Moorman Manufacturing Co.</td>
<td>Nutritional quality of pig starter rations</td>
<td>$2 600 00</td>
<td>August 21, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-2</td>
<td>Highway problems</td>
<td>$16 500 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-3</td>
<td>Riveted and bolted structural joints</td>
<td>$10 000 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-9</td>
<td>Impact on highway bridges</td>
<td>$21 500 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-10</td>
<td>Prestressed concrete highway bridges</td>
<td>$29 000 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-12</td>
<td>Soil exploration and mapping</td>
<td>$30 000 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-46</td>
<td>Soil-aggregate mixtures for highway pavement</td>
<td>$25 500 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-47</td>
<td>Chemical stabilization of soils</td>
<td>$6 000 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-53</td>
<td>Vehicular speed regulation</td>
<td>$27 000 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-58</td>
<td>Equipment for roadside cover</td>
<td>$17 500 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-59</td>
<td>Highway medians</td>
<td>$18 500 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-64</td>
<td>Welded highway structures</td>
<td>$21 000 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-65</td>
<td>Drainage laws and practices</td>
<td>$14 000 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-66</td>
<td>Woody ground cover</td>
<td>$13 500 00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
<td>Amount to be Paid to the University</td>
<td>Effective Date</td>
</tr>
<tr>
<td>-----------</td>
<td>---------</td>
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<td>---------------</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-57</td>
<td>Grasses and their establishment</td>
<td>$11,500.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-68</td>
<td>Guide lines for appraisals</td>
<td>$20,000.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-69</td>
<td>Traffic linkage patterns</td>
<td>$5,000.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-70</td>
<td>Social factors and traffic</td>
<td>$8,500.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-71</td>
<td>Impact on urban real estate values</td>
<td>$21,000.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-72</td>
<td>Creep in structural concrete</td>
<td>$16,000.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-73</td>
<td>Fatigue failure in concrete</td>
<td>$17,500.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-74</td>
<td>Seal coats and surface treatments</td>
<td>$13,000.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-75</td>
<td>Lime stabilization of soils</td>
<td>$17,000.00</td>
<td>August 20, 1962</td>
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<tr>
<td>United States Air Force AP 18 (600) 689</td>
<td>Properties of insulating and conducting solids</td>
<td>$2,578.06</td>
<td>August 23, 1962</td>
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<tr>
<td>United States Air Force AF 29 (601) 2876</td>
<td>Effects of dynamic loads on soils and buried structures</td>
<td>$25,000.00</td>
<td>May 9, 1962</td>
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<tr>
<td>United States Army DA 41-022-ORD-3467</td>
<td>Mechanical characteristics of polycrystalline N10</td>
<td>$19,070.00</td>
<td>September 10, 1962</td>
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<tr>
<td>United States Army DA 49-193-MD-2060</td>
<td>Interpersonal and psychological adjustment of group members</td>
<td>$32,684.00</td>
<td>August 31, 1962</td>
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<tr>
<td>United States Bureau of Public Roads, Department of Commerce CPR 11-7768</td>
<td>Study on fatigue of welded beams and girders in structural and low alloy steels</td>
<td>$30,000.00</td>
<td>July 1, 1962</td>
</tr>
<tr>
<td>VioBin Corp.</td>
<td>Fishmeal and fishmeal products in swine nutrition</td>
<td>$1,500.00</td>
<td>August 1, 1962</td>
</tr>
</tbody>
</table>

Total $542,277.60

This report was received for record.

RELEASE OF LANGUAGE-STUDY MATERIALS PREPARED UNDER CONTRACT WITH THE PEACE CORPS

(19) Certain instructional materials in the Gujarati language were prepared last summer under the University's contract with the Peace Corps, principally by Mr. Purushottam J. Mistry. These consisted of ten written lesson-units with coordinated magnetic tapes. Under University regulations, and in accordance with the contract with the Peace Corps, this material belongs to the University of Illinois, but the Peace Corps and other agencies of the federal government would be granted license-free use of them.
It is understood that the Peace Corps is contracting directly with Mr. Mistry for the production of some seven additional lesson-units for further training in India of the Peace Corps volunteers trained in Gujarati on this campus. Furthermore, Professor Page, the project director under the Peace Corps contract, indicates that the materials prepared last summer need substantial revision before they can be considered to be in satisfactory final form. Both he and Dean Dangerfield, Director of International Programs, state that the materials in their present form have little or no commercial value. Mr. Mistry has requested that the University of Illinois release to him the materials developed under the Peace Corps contract in order that he might improve and extend the instructional program in Gujarati, with the right to copyright and publish the materials if this seems desirable. Both Professor Page and Dean Dangerfield recommend approval of this request, with the stipulation that both the University and the Peace Corps and other agencies of the federal government would have the right to use the materials developed under the University's contract in their present form without payment of royalties or license fees.

The Executive Vice-President and Provost, the Vice-President and Comptroller, and the Legal Counsel endorse this recommendation. I concur.

On motion of Mr. Johnston, this recommendation was approved.

GIFT OF ELECTRONIC CARILLON

(20) Mr. A. R. Staley, a member of the Class of 1931, has agreed to give the University of Illinois Foundation for the University at Urbana-Champaign a "Carillon Americana" having 305 bells, the largest carillon made by Schulmerich Carillons, Inc. of Sellersville, Pennsylvania. The playing console will be installed on the second floor of the University Auditorium and the stentors will be located on the northeast tower of Memorial Stadium. Mr. Staley has made this gift as a contribution to the program of the School of Music and to the cultural life of the campus. The Carillon will be played from time to time by mechanical means and by members of the staff of the School of Music.

The gift has been accepted by the Foundation and the President and is reported for record. I have already expressed appreciation on behalf of the University but the Board will also wish to record its appreciation.

The Carillon is being installed and it is anticipated that the work will be completed so that the first concert can be played on Saturday, November 24, on which day a brief dedicatory ceremony will also be held in the forenoon.

On motion of Mr. Pogue, acceptance of this gift by the University of Illinois Foundation and the President of the University was confirmed.

On motion of Mrs. Watkins, the Board recorded its appreciation of this gift, and the Secretary was instructed to send Mr. Staley an appropriate message on behalf of the Trustees.

REPORTS TO THE BOARD OF HIGHER EDUCATION OF ILLINOIS

(21) The University of Illinois has submitted to the State Board of Higher Education reports on new public service activities undertaken, new courses added, and new research and public service contracts negotiated, during the period August 22, 1961, through June 30, 1962.

The Board of Higher Education has requested such reports periodically, the first of these being for the period indicated which began when the Act creating that Board became effective and continuing through the end of the fiscal year 1961-62.

The University has also submitted to the State Board of Higher Education a statement of the procedures it follows in the initiation, review, and approval of new units of instruction, research, and public service.

Copies of these reports and statement are submitted herewith for the information of the Board and copies are being filed with the Secretary of the Board for record.

These reports were received for record.
MEMORIAL TO MRS. NELLIE VOIGHT FREEMAN

Mr. Pogue offered the following resolution.

The Board of Trustees records with deep sorrow the death on October 14, 1962, of Mrs. Nellie Voight Freeman of Mattoon, a former member of this Board. Mrs. Freeman (Nellie Voight) was born in Mattoon March 12, 1873. She married Dr. T. O. Freeman of that city in December, 1898, who died in October, 1932.

Mrs. Freeman devoted much of her life to education and to civic affairs—as a teacher in the public schools of Mattoon, prior to her marriage, as an officer at the local and state levels in parent-teacher associations, as an officer of the Women's Auxiliary of the Illinois State Medical Society, in the Business and Professional Women's Club of her community, and as a worker for her church.

Mrs. Freeman served as a member of the Board of Trustees of the University of Illinois from 1933-39, and on its Committees on Buildings and Grounds, Agriculture, Chicago Departments, and Student Welfare and Activities, being Chairman of the latter Committee for five years. In all these assignments she discharged her responsibilities faithfully and effectively.

The Board of Trustees desires to pay tribute to the memory of a former colleague who served her community and the state of Illinois, by incorporating this resolution in the official minutes of today's meeting and by sending copies to the surviving members of Mrs. Freeman's family as an expression of the Board's sympathy.

This resolution was unanimously adopted.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, declinations, and cancellations; leaves of absence; retirements.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

Adams, Robert K., Instructor in Architecture (Chicago Undergraduate Division), academic year beginning September 1, 1962, $6,500 (10-3-62).
Alexopoulos, George G., Instructor in Physics (Chicago Undergraduate Division), ½ time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, $1,200 (10-2-62).
Anderson, Rachel E., Assistant Editor in the University Press, ½ time, one year from September 1, 1962, $3,125, supersedes (9-14-62).
Andrews, James A., Instructor in Accountancy (Chicago Undergraduate Division), academic year beginning September 1, 1962, $5,200 (9-7-62).
Aro, Aurelia M., Instructor in Pharmacognosy and Pharmacology (Pharmacy), ½ time, academic year beginning September 1, 1962, $2,800, supersedes (10-1-62).
Aranson, Alan R., Clinical Instructor in Medicine (Medicine), ½ time, one year from September 1, 1962, $1,500 (8-29-62).
Azuma, Yasuo, Research Associate in Food Technology (S), one year from September 1, 1962, $5,850 (9-7-62).
Baker, James L. L., Research Assistant and Assistant in Mechanical Engineering (C), nine months from September 16, 1962, $5,000 (9-14-62).
Bales, Retta E., Assistant Director of Admissions and of Clinics (Research and Educational Hospitals), one year from September 1, 1962, $9,450, supersedes (9-7-62).
Beers, Ray E., Jr., Clinical Assistant Professor of Medicine (Medicine), ½ time, one year from September 1, 1962, $3,600 (8-29-62).
Beervers, Leonard, Research Associate in Plant Physiology (Agronomy) (S), one year from September 1, 1962, $6,500 (9-7-62).
Benzel, James F., Research Associate in Ceramic Engineering (S), ½ time, September 15, 1962-August 31, 1963, $3,300 a year, supersedes (10-3-62).
BERGERON, CLIFTON G., Research Assistant Professor of Ceramic Engineering (C and S), full time from September 1-15, 1962, and June 16-August 31, 1963, $6,795 a year, and ½ time from September 16, 1962-June 15, 1963, $4,705 a year, supersedes (9-11-62).

BLAHA, GORDON C., Instructor in Anatomy (Medicine), one year from September 1, 1962, $6,000 (8-29-62).

BOCKMAN, DALE E., Instructor in Anatomy (Medicine), one year from September 1, 1962, $7,000 (9-12-62).

BOOTH, ALFRED W., Professor of Geography, Peace Corps Training Office (Provost's Office), September 1-15, 1962, $220; this is in addition to his present appointment (9-14-62).

BOSMA, E. GAYLE C., Research Assistant in Physiology and Biophysics, one year from September 1, 1962, $4,900 (9-13-62).

BOYLE, MRS. JUDITH E., Research Assistant in Education (University High School), nine months from September 16, 1962, $4,000 (9-13-62).

BRANCH, BEVERLY, Assistant in French, nine months from September 16, 1962, $4,800 (9-7-62).

BRENT, GEORGE W., Instructor in Prosthodontics (Dentistry), 7/10 time, one year from September 1, 1962, $5,250, supersedes (10-1-62).

BROADRICK, KING W., Associate Professor of Speech, ½ time, indefinite tenure, and Assistant Dean of the College of Liberal Arts and Sciences, ½ time, one year, to render service during each academic year beginning September 1, 1962, $9,100 a year; Associate Professor of Speech, full time, indefinite tenure from September 1, 1963, supersedes (9-14-62).

BRODY, MRS. LITA H., Assistant in Medicine (Medicine), one year from September 1, 1962, $5,600 (10-1-62).

CALAHAN, DONALD A., Assistant Professor of Electrical Engineering (C), one month from August 16, 1962, $811.11; this is in addition to his present appointment (9-1-62).


CARROLL, JOHN A., Program Director of the Illini Union, one year from September 1, 1962, $8,000, supersedes nonacademic appointment (9-28-62).

CESSNA, KENNETH, Assistant Extension Editor, with rank of Instructor (E), September 16, 1962-August 31, 1963, $6,800 a year (10-2-62).

CHURCHICH, JORGE E., Research Associate in Chemistry, eleven months from October 1, 1961, $7,330 a year (9-11-62).

CLAUSING, ARTHUR M., Research Assistant in Mechanical Engineering (C), nine months from September 16, 1962, $5,000 (9-13-62).

COOMBS, FRED S., Assistant in Education (University High School), nine months from September 16, 1962, $5,400 (9-13-62).

COPP, MARION, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1962, $5,300, supersedes (9-17-62).

CROW, SAMUEL E., Extension Specialist in Firemanship Training (Division of University Extension), eleven months from October 1, 1962, $7,900 a year (9-26-62).

CURTIS, LELIA A., House Director, Beta Cooperative House, ten months from September 1, 1962, $2,200; for the convenience of the University she will receive room and board valued at $31 a month (9-27-62).

DADMUN, STEWART E., Instructor in Medicine (Medicine), ½ time, four months from September 1, 1962, $200 a month (8-29-62).

DAI, PETER K., Research Associate in Civil Engineering (C and S), academic year beginning September 1, 1962, $6,500, supersedes (10-2-62).

DANIELZADEH, ALBERT, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1962, $4,900 (8-29-62).

DAVIS, CHARLES S., Instructor in Medicine (Medicine), ½ time, one year from September 1, 1962, $3,750 (9-14-62).
DEES, DENZIL E., Instructor in Veterinary Anatomy and Histology (College of Veterinary Medicine), 2/3 time, one year from September 1, 1962, $4,850 (9-14-62).

DENMARK, WILLIAM L., Assistant Professor of Climatology (Horticulture) (S), one year from September 1, 1962, without salary (10-2-62).

DERRICK, LUCILE, Special Administrative Appointment, Office of the Vice-President (Chicago Undergraduate Division), 1/4 time, one month from July 1, 1962, $302.77; this is in addition to her previous appointment (10-3-62).

DIMICK, ROBERT C., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, $4,400, supersedes (10-1-62).

DINGER, SHARON, Research Assistant in Physiology and Biophysics, one year from September 1, 1962, $3,600 (10-2-62).

DIVILBISS, JAMES L., Research Associate in the Coordinated Science Laboratory (C), ½ time, one year from September 1, 1962, $7,100 (10-3-62).

DOLNEY, EDWIN L., Research Associate in Education (University High School), ½ time, academic year beginning September 1, 1962, $5,900 (10-3-62).

DRAEDS, JAMES L., Research Assistant Professor of Geology, one year from September 1, 1962, $9,000 (9-21-62).

ELLIOTT, BRUCE D., Research Associate in the Coordinated Science Laboratory (C), ½ time, one year from September 1, 1962, $3,600 (10-1-62).

ELSEY, JOHN C., Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1962, $7,100 (10-3-62).

EVANS, CLARYCE L., Research Associate in Education (University High School), academic year beginning September 1, 1962, $5,900, supersedes (9-14-62).

FAIR, ARMOR J., Instructor in Management (Chicago Undergraduate Division), academic year beginning September 1, 1962, $6,500 (9-14-62).

FARA, HARRY, Research Associate in Petroleum Engineering (C), September 1-15, 1962, $666.67 a month; this is in addition to his present appointment (9-14-62).

FARHI, EDNA S., Research Assistant in Physiology and Biophysics, one year from September 1, 1962, $4,900 (9-13-62).

FEDER, CECILE S., Instructor in Mathematics (Chicago Undergraduate Division), ½ time, academic year beginning September 1, 1962, $3,000 (9-28-62).

FIELDMAN, SHELDON, Research Associate in Psychology, ½ time, and in the Institute of Communications Research, ½ time, June 16, 1962-May 31, 1963, $722.22 a month, supersedes; and Research Associate in Psychology, ½ time, June 1-15, 1963, $120.37 (9-7-62).

FIEDLER, MARY A., Research Assistant in Preventive Medicine (Medicine), eleven months from October 1, 1962, $6,300 a year, supersedes (10-3-62).

FIELDS, K. JOANNE, Instructor in Library Science, one year from September 1, 1962, $6,120, supersedes nonacademic appointment (9-28-62).

FILBEY, MARY L., Assistant to the Dean of Women, ½ time, nine months from September 16, 1962, $2,000 (9-7-62).

FLYNN, JAMES D., Supervisor of Counseling in the Student Rehabilitation Center with rank of Instructor, (College of Physical Education), one year from September 1, 1962, $7,000 (9-14-62).

FRANKMANN, MRS. JUDITH F., Assistant Professor of Psychology, ½ time, academic year beginning September 1, 1962, $2,400 (9-14-62).

FRATICELLI, JOANNE C., Assistant in Occupational Therapy (Medicine), September 10, 1962-August 31, 1963, $6,000 a year (8-29-62).

FRENCH, WILBUR L., Research Associate in Zoology, one year from September 1, 1962, $7,500 (10-2-62).

FREUND, ERICH C., Research Associate in the Bureau of Community Planning, one month from September 1, 1962, $641.75 (10-3-62).

FUKAZAWA, KAIICHI, Research Associate in Food Technology (S), one year from September 1, 1962, $7,000, supersedes (10-3-62).

GALL, ALESSANDRO, Research Associate in Chemistry, one year from September 1, 1962, $6,000 (9-13-62).

GIBBS, ERICH, Research Assistant in Psychiatry (Medicine), ½ time, one year from September 1, 1962, $2,450 (10-2-62).

GILBERT, ROBERT L., Instructor in Physics (Chicago Undergraduate Division), ½ time, five months from September 1, 1962, $240 a month (10-3-62).
GOLDEN, WILLIAM M., Research Associate in Education (University High School), one year from September 1, 1962, $9,900 (9-11-62).

GÖTZ, GERTRUDE, Assistant in Home Economics (S), in the Physical Environment Unit, and in Mechanical Engineering, one year from September 1, 1962, $5,400 (9-28-62).

GRANT, EMERSON W., Adjutant, Military Science, 1/10 time, one year from September 1, 1962, $600 (9-28-62).

GRANT, RHODA, Research Associate in Pathology (Medicine), one year from September 1, 1962, $8,000 (10-2-62).

GRAY, PETER V., Research Assistant in Electrical Engineering (S), one year from September 1, 1962, $5,600 (9-27-62).

HAASE, GERHARD H., Clinical Instructor in Medicine (Medicine), 1/4 time, one year from September 1, 1962, $1,900 (9-17-62).

HAGENBERGER, CHERYL M., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, $4,300 (9-13-62).

HALFORD, GARY R., Instructor in Theoretical and Applied Mechanics (C), 66/100 time, academic year beginning September 1, 1962, $3,800 (10-3-62).

HARDINC, MRS. SARAH K., Research Associate in Veterinary Pathology and Hygiene (College of Veterinary Medicine), September 15, 1962-August 31, 1963, $5,850 a year (9-14-62).

HIBNICK, HERBERT, Special Lecturer in Pharmacy (Pharmacy), 2/5 time, January 2-March 16, 1963, $240 a month (9-4-62).

HILDRETH, MILDRED L., Assistant Reference Librarian, with rank of Instructor, September 12, 1962-August 31, 1963, $6,500 a year (9-17-62).

HILKER, GLORIA, Assistant Professor of Hygiene and Medical Adviser for Women in the Health Service (Chicago Undergraduate Division), 3/5 time, one year from September 1, 1962, $7,200, supersedes (9-14-62).

HINDLEY, RICHARD D., Research Associate in Education (University High School), academic year beginning September 1, 1962, $6,300 (9-14-62).

HINRICHS, COLIN, Research Associate in Pedodontics (Dentistry), one year from September 1, 1962, $5,000 (9-27-62).

HOCHMAN, LAWRENCE S., Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral and Maxillofacial Surgery (Dentistry), 1/4 time, $3,500, one year from September 1, 1962 (8-29-62).

HODGES, THOMAS K., Research Associate in Agronomy (S), September 6, 1962-August 31, 1963, $6,500 a year (10-2-62).

HOFFMAN, FREDERICK, Instructor in Mathematics, academic year beginning September 1, 1962, $6,500 (9-13-62).

HOGG, LORETTA A., Research Assistant in Microbiology, nine months from September 16, 1962, $4,000 (10-2-62).

HONMA, TOSHIORI, Visiting Assistant Professor of Physical Metallurgy (C), one year from September 1, 1962, $8,000, supersedes (9-7-62).

HULSIZER, ROBERT I., JR., Professor of Physics (C), September 1-15, 1962, $741.67; this is in addition to his present appointment (9-14-62).

IVENS, VIRGINIA, Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1962, $7,000, supersedes (9-7-62).

JUNKER, DARREL D., Assistant in Animal Science (S), one year from September 1, 1962, $5,000 (10-2-62).

JULIAN, JAMES W., Research Associate in Psychology, one year from September 1, 1962, $8,000 (9-17-62).

JUNGER, DARRELL D., Assistant in Animal Science (S), one year from September 1, 1962, $5,000 (10-2-62).

KAHLER, DAVID T., Instructor in Architecture, academic year beginning September 1, 1962, $6,500 (9-14-62).

KATAGUE, DAVID B., Instructor in Chemistry (Pharmacy), ½ time, to render service during the academic year, September 16, 1962-August 31, 1963, $3,000 a year (9-26-62).

KIESLER, DONALD, Instructor in Psychology, ½ time, to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, $1,000 (9-4-62).

KILLIAN, PAULETTA L., Research Assistant in Chemistry, one year from September 1, 1962, $5,400 (10-1-62).

KOIK, JUTA V., Assistant Professor of Medicine (Medicine), ¾ time, one year from September 1, 1962, $10,500 (8-29-62).

KONITZKI, JOSEPH F., Assistant to Director of the Student Rehabilitation Center with rank of Instructor, (College of Physical Education), one year from September 1, 1962, $8,000 (10-3-62).


KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), 12/100 time, one year from September 1, 1962, $900 (8-29-62).

LEVINGS, CHARLES S., III, Assistant in Plant Breeding (Agronomy) (S), two months from September 1, 1962, $450 a month (8-27-62).

LEWIS, L. DEAN, Associate Professor of Hygiene and Staff Physician in the Health Service, ½ time, September 1, 1962-June 15, 1963, $5,455 (8-29-62).

LONG, CHESTER C., Assistant Professor of Speech and Theatre, academic year beginning September 1, 1962, $7,000, supersedes (9-14-62).

Loomis, F. WHEELER, Professor of Physics (C), 1/3 time, one year from September 1, 1962-6, $7,200 (9-14-62).

LOW, LEONE, Instructor in Mathematics, academic year beginning September 1, 1962-2, $7,000 (9-14-62).

MACNEIL, ELIZABETH, Assistant in Pediatrics (College of Nursing), one year from September 1, 1962, $6,000 (8-29-62).

MALHOTA, OM P., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), one year from September 1, 1962, $9,150, supersedes (9-25-62).

MALTER, RICHARD F., Psychometrist in the Student Counseling Service (Chicago Undergraduate Division), one year from September 1, 1962, $5,400 (9-4-62).


MAY, WILLIAM H., Research Associate in the Institute of Communications Research (College of Journalism and Communications), one year from September 1, 1962, $6,000 (9-14-62).

MCAMISH, JOAN, Instructor in Microbiology, academic year beginning September 1, 1962, $7,500 (9-7-62).

McCOWEN, THOMAS A., Assistant Coordinator in the Office of the Coordinator of International Cooperation Programs (Provost's Office), eleven months from October 1, 1962, $6,300 a year (8-24-62).

McDONALD, OWEN G., Clinical Assistant Professor of Surgery (Medicine), ¼ time, one year from September 1, 1962, $2,400 (8-29-62).

McGUIRE, EDWARD, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1962, $4,900 (8-29-62).

McIVER, JAMES M., Research Assistant in Surgery (Medicine), one year from September 1, 1962, $7,200 (8-29-62).


MEDROW, ROBERT A., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, $4,400 (9-13-62).


MEUWESE, WILHELMUS A. T., Research Associate in Psychology, 2/3 time, and Instructor in Psychology, ¼ time, academic year beginning September 1, 1962, $6,600 (9-4-62).

MEYER, JULIA, Assistant Professor of Oral Pathology (Dentistry), one year from September 1, 1962, $11,500 (10-2-62).

Miller, Laurence H., Bibliographer in the Library with rank of Instructor, one year from September 1, 1962, $7,200, supersedes (10-3-62).
MONTGOMERY, CLARK A., Instructor in Medicine (Medicine), ½ time, one year from September 1, 1962, $4,600 (8-29-62).

MORRISON, SHERMAN W., Instructor and Registered Pharmacist in Manufacturing Pharmacy (Pharmacy), eleven months from October 1, 1962, $7,900 a year (10-1-62).

MUHLSTADT, WILLIAM J., Assistant and Research Assistant in Ceramic Engineering (C), nine months from September 16, 1962, $4,200, supersedes (8-29-62).

MURTY, N. R., Research Associate in Botany (Photosynthesis), one year from September 1, 1962, $7,900 (10-1-62).

NAJELIS, UGNYS S., Instructor in Mathematics (Chicago Undergraduate Division), academic year beginning September 1, 1962, $5,800 (9-14-62).

NAM, NGUYEN HOANG, Research Associate in the Radiocarbon Laboratory, one year from September 1, 1962, $6,600 (8-24-62).

NAMTVISET, MRS. MARY J., Research Assistant in Chemistry, one year from September 1, 1962, $5,700 (8-27-62).

NAVARETE, DELIA A., Assistant in Home Economics (S), one year from September 1, 1962, $5,200 (8-29-62).

NARASINGA-RAO, KOTCHELAKOTA V., Research Associate in Electrical Engineering (S), one year from September 1, 1962, $7,500 (9-14-62).

NARAYANASAMY, R., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering (C), 2/3 time, one year from September 1, 1962, $3,920 (9-7-62).

NEILL, DAVID M., Assistant in Electrical Engineering (Chicago Undergraduate Division), nine months from September 16, 1962, $6,000 (10-2-62).

NEWMAN, GERALD A., Research Associate in Chemistry, one year from September 1, 1962, $5,850 (9-13-62).

NOTZOLD, RICHARD A., Instructor in Veterinary Anatomy and Histology (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), one year from September 1, 1962, $7,700, supersedes (9-7-62).

NUTTALL, JOHN L., Jr., Assistant Director of International Programs (Provost's Office), eight months from January 1, 1963, $8,000 a year (10-2-62).

OETTING, GEORGE D., Administrative Officer in Air Force Science, 1/10 time, one year from September 1, 1962, $600 (9-28-62).

OSBORN, HOWARD, Research Associate Professor of Mathematics, one month from August 1, 1962, $1,089; this is in addition to his present appointment (9-14-62).

PEDERSOLI, WALDIR M., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), ½ time, one year from September 1, 1962, $4,850 (9-7-62).

PENEV, LUBEN C., Clinical Instructor in Medicine (Medicine), 12/100 time, one year from September 1, 1962, $900 (8-29-62).

PERRY, MRS. AIKO KINJO, Assistant in Home Economics (C and S), one year from September 1, 1962, $5,400 (8-29-62).

PETERSON, DONALD R., Associate Professor in charge of the Psychological Clinic (Psychology), on indefinite tenure from September 1, 1962, $12,850 a year, supersedes (10-1-62).

PINKERTON, MARY, Research Assistant in Chemistry, one year from September 1, 1962, $5,900 (8-29-62).

POLCACK, MICHAEL L., Instructor in Physical Education for Men, ½ time, and Counselor on the University Council on Teacher Education, ½ time, academic year beginning September 1, 1962, $5,800, supersedes (9-11-62).

PROBST, FRANK M., Research Associate in the Coordinated Science Laboratory and in Physics (C), one year from September 1, 1962, $9,800 (9-7-62).

RAFF, LIONEL M., Research Associate in Chemistry, five months from September 1, 1962, $2,750 (10-3-62).

RANSFORD, RALPH E., Lecturer, with rank of Assistant Professor in Anatomy (Medicine), ½ time, nine months from October 1, 1962, $557 a month (9-12-62).

RAO, PILLARISETTY J., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), ½ time, eleven months from October 1, 1962, $4,800 a year (10-3-62).
Reilly, James R., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), ½ time, one year from September 1, 1962, $4,800, supersedes (10-3-62).

Reissner, Salomon H., Research Associate in Pediatrics (Medicine), one year from September 1, 1962, $7,000 (10-2-62).


Rose, Cronwell A., Research Assistant in Preventive Medicine (Medicine), eleven months from October 1, 1962, $6,300 a year (10-3-62).

Ross, June R. P., Research Associate in the State Geological Survey, one year from October 1, 1962, $6,900 (9-14-62).

Ross, Robert C., Leader of Foreign Agriculture Visitors and Assistant Coordinator, International Cooperation Programs (E), ½ time, one year from September 1, 1962, $6,750 (9-14-62).

Rubenis, Mary E., Research Assistant in Medicine (Medicine), one year from September 1, 1962, $6,350 (10-3-62).

Russo, Alexander J., Assistant in the Radiocarbon Laboratory, nine months from September 16, 1962, $4,050 (8-24-62).

Ryder, Walter R., Assistant in Industrial Engineering (C), nine months from September 16, 1962, $4,500 (9-7-62).

Saadeh, Ibrahim Q., Research Associate in Education, one year from September 1, 1962, $9,000 (9-14-62).


Sanghvi, Indravadan S., Research Assistant in Pharmacology (Medicine), one year from September 1, 1962, $5,000 (10-3-62).

Scheidegger, Adrian E., Professor of Petrophysics (Mining, Metallurgy, and Petroleum Engineering) (C), September 1-15, 1962, $1,333.33 a month; this is in addition to his present appointment (10-3-62).

Schoen, David E., Instructor in Mathematics, academic year beginning September 1, 1962, $7,700 (10-2-62).

Seligmeier, Richard A., Assistant in Industrial Engineering (C), nine months from September 16, 1962, $6,000 (10-2-62).

Shapira, Harold A., Clinical Assistant Professor of Medicine (Medicine), ½ time, one year from September 1, 1962, $2,400 (8-29-62).

Shohry, Dmytro M., Cataloger in the Library, with rank of Instructor, one year from September 1, 1962, $7,800, supersedes (10-3-62).

Shuman, Frank H., Foreign Visitor Consultant in International Cooperation Programs (Provost's Office), ⅔ time, one year from September 1, 1962, $2,520 (10-1-62).

Siegfried, Robert, Associate Professor of Chemistry in the Division of General Studies, ⅔ time, and in the Department of Chemistry, ⅔ time, indefinite tenure from September 1, 1962, to render service during each academic year, $8,900 a year (10-2-62).

Simonsen, Elaine, Assistant in Education (University High School), nine months from September 16, 1962, $4,000 (10-2-62).

Singh, Mrs. Indu B., Research Assistant in Plant Pathology (S), one year from September 1, 1962, $5,000 (8-29-62).

Skora, Robert, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1962, $4,900 (8-29-62).

Smith, Garth, Clinical Assistant Professor of Psychiatry (Medicine), ⅔ time, one year from September 1, 1962, $3,300 (10-2-62).

Smith, James L., Research Assistant in Civil Engineering (S), nine months from September 16, 1962, $3,300, supersedes (9-13-62).

Smith, Richard K., Instructor in History (Chicago Undergraduate Division), ½ time, ten months from September 1, 1962, $2,200 (9-7-62).

Sohn, David M., Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral and Maxillofacial Surgery (Dentistry), ½ time, one year from September 1, 1962, $1,400 (8-29-62).

Stambaugh, Mary K., Research Assistant in Microbiology, one year from September 1, 1962, $6,000 (9-13-62).
STEIN, HERBERT J., Instructor in Electrical Engineering (C), academic year beginning September 1, 1962, $5,500 (9-17-62).

STOOPS, BETTY, Extension Specialist in Audio-Visual Aids Service (Division of University Extension), to render Service during the academic year, October 1, 1962-June 30, 1963, $888.89 a month (9-28-62).

SWANSON, JUDITH E., Research Assistant in Microbiology, one year from September 1, 1962, $5,390 (10-2-62).

TAMAI, TADASI, Research Associate in Physiology and Biophysics, one year from September 1, 1962, $6,000 (10-2-62).

TANAKA, RYO, Research Associate in Psychiatry (Medicine), one year from September 1, 1962, $7,500 (10-2-62).

TAYLOR, SUSAN, Assistant in English (Division of English for Foreign Students), nine months from September 16, 1962, $4,500 (8-27-62).

TOMITA, MASAO, Instructor in Anesthesiology (Surgery) (Medicine), ½ time, August 29, 1962-August 31, 1963, $4,250 a year (10-2-62).

UNZICKER, JOHN D., Research Associate in the State Natural History Survey, ½ time, nine months from September 1, 1962, $4,000 a year, and full time, three months from June 1, 1963, $4,500 a year (8-29-62).

VARZANDEH, MASSOUD, Research Associate in Radiology (Medicine), one year from September 1, 1962, $9,600 (9-27-62).

VON LEHMDEN, ALICE A., Research Assistant in Zoology, nine months from September 16, 1962, $4,000 (9-27-62).

WEBB, RICHARD S., JR., Instructor in Surgery (Medicine), 9/10 time, one year from September 1, 1962, $4,600 (9-13-62).

WEBER, EDWARD E., Research Assistant Professor in the Institute of Communications Research, ½ time, and Assistant Professor of Journalism, ¼ time, academic year beginning September 1, 1962, $8,200 (9-7-62).

WILSON, EULINED., Assistant in Mining, Metallurgy, and Petroleum Engineering (C), ¼ time, and Assistant in Verbal Communication (Division of General Studies), ½ time, nine months from September 16, 1962, $5,000, supersedes (9-11-62).

WINTER, S., Assistant in Mechanical Engineering (C), nine months from September 16, 1962, $5,000 (9-17-62).
Wolfe, Sharon, Research Associate in the Institute of Communications Research and in Psychology, one year from September 1, 1962, $6,000 (10-3-62).


Yamauchi, Kunio, Research Associate in Food Technology (S), one year from September 1, 1962, $6,200 (8-27-62).

Zehme, Donald F., Instructor in Foreign Languages (Chicago Undergraduate Division), academic year beginning September 1, 1962, $5,400, supersedes (9-14-62).

GRADUATE FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

Afreemow, Arthur M., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-21-62).

Atwood, Gerald J., United States Public Health Service Fellow (Trainee) in Medicine, July 1-September 15, 1962, $600 (7-27-62).

Bailey, Mrs. Mary E. R., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-17-62).

Balkan, Mrs. Esther, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

Bartosik, Delwine B., United States Public Health Service Fellow (Trainee) in Medicine, one year from July 1, 1962, $4,500 (7-16-62).

Beauchamp, James W., Magnavox Fellow in Electrical Engineering (and Music), one year from September 1, 1962, $3,600 (9-6-62).

Becker, Mrs. Aletitia A. H., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-17-62).

Becker, Frank O., United States Public Health Service Fellow (Trainee) in Medicine, one year from July 1, 1962, $6,500 (7-25-62).

Beeman, Samuel D., United States Office of Vocational Rehabilitation Fellow (Trainee) in Speech and Theatre, nine months from September 16, 1962, $2,800 (8-21-62).

Boardman, Mary S., Special Fellow in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

Bostic, Doyle L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $4,740, supersedes, (8-21-62).

Brefeld, Gail L., Special Fellow in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

Brill, Winston J., United States Public Health Service Fellow (Trainee) in Microbiology, ten months from September 1, 1962, $2,667 (9-6-62).

Brooker, Marie I. L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-21-62).

Browning, Edward T., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, $2,400 (8-10-62).

Chalfant, James C., United States Office of Education Fellow in Education, nine months from September 16, 1962, $4,000 (10-2-62).

Christensen, James, Jr., Office of Vocational Rehabilitation Fellow (Trainee) in Education, September 16, 1962-January 31, 1963, $900 (9-12-62).

Clarke, Gregory B., United States Public Health Service Fellow (Trainee) in Food Technology, four months from September 1, 1962, $733.34 (9-13-62).

Davis, Lorin R., Engineering Faculty Development Teaching Fellow in Mechanical Engineering, one year from September 1, 1962, $2,000 (8-1-62).


Dyer, Olympia P., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-17-62).

Ferguson, Julianne, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

Fierer, Mrs. Martha J. S., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

Fischer, Joel, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-17-62).
FITZGERALD, JAMES E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, nine months from September 1, 1962, $4,125, superseded (8-29-62).

FLYNN, MRS. MARYLYN L. J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-17-62).

FUJWARA, JOHN J., John B. Felmley Memorial Fellow in Architecture, nine months from September 16, 1962, $2,400 (8-21-62).

FLYNN, MRS. MARILYN L. J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-21-62).

FUNK, MERLE W., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

FUNK, MERLE W., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,400 (8-21-62).

FUNK, MERLE W., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).


GLASS, MATTHEWS L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $5,310, superseded (8-3-62).

GRAHAM, MRS. BARBARA A. R., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

HABUSH, SANDRA B., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-17-62).


HAWKES, ROBERT C., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1962, $2,400 (9-19-62).

HAWKES, PATRICIA J., United States Public Health Service Fellow (Trainee) in Education, nine months from September 1, 1962, $1,800 (7-30-62).

HEMBROUGH, CAROL J. S., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-21-62).

HIRSCH, ESTHER D., Office of Education Fellow in Education, nine months from September 16, 1962, $2,000 (10-2-62).

HOFMANN, LORENZ, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, $2,900 (8-10-62).


HOWARD, SARAH J., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, nine months from September 16, 1962, $2,400 (9-11-62).


JOHNSON, JUDITH A., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-21-62).

JOHNSON, WILLIAM D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, $1,800 (10-3-62).


KRAMER, LINDA L., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1962, $2,000 (8-30-62).


LEVINE, SUSAN P., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from November 1, 1962, $3,600 (8-27-62).

LIEBER, ROSLYN, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-17-62).

MAKROME, FRANK D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, $2,800 (9-12-62).

MCCREATH, DAVID W., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-17-62).
MELTON, MRS. MARILYN R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, $1,800 (9-12-62).

MICHENER, ELIZABETH, United States Office of Vocational Rehabilitation Fellow (Trainee) in Speech and Theatre, nine months from September 16, 1962, $2,400 (8-21-62).

MIKA, DOROTHY E., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-17-62).

MILLER, RAYMOND P., Raymond Concrete Pile Company Fellow in Civil Engineering, nine months from September 16, 1962, $1,500 (9-7-62).

MORRIS, DAVID R., Procter and Gamble Fellow in Chemistry, eleven months from September 16, 1962, $2,570, supersedes (7-25-62).


MYERS, DAVID D., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, nine months from September 1, 1962, $3,500, supersedes (8-29-62).

NISHIDA, MRS. HIROI., Lauterback Memorial Fellow in Food Technology, nine months from September 1, 1962, $1,500 (9-19-62).

O'BLOCK, FRANCIS R., United States Public Health Service Fellow (Trainee) in Education, nine months from September 1, 1962, $2,000 (7-30-62).

PEACOCK, DOUGLAS W., National Institute of Health Teaching Fellow (Trainee) in Chemistry, one year from September 1, 1962, $2,400 (9-24-62).

PLATT, SHEILA C., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-21-62).

RADBATT, ALAN P., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-17-62).

RAINSFORD, DENNIS, Office of Vocational Rehabilitation Fellow (Trainee) in Microbiology, nine months from September 16, 1962, $1,800 (9-12-62).

REED, MRS. MARY R. B., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

REEFS, DARLENE C., United States Public Health Service Fellow (Trainee) in Biochemistry, ten months from September 1, 1962, $2,000 (8-14-62).

RUDOLPH, GREGORY C., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1962, $2,000 (8-17-62).


SCLAFFINI, PATRICIA A., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, $2,340 (8-2-62).

SEELY, OLIVER, Jr., United States Public Health Service Fellow (Trainee) in Chemistry, one year from September 1, 1962, $2,400 (7-24-62).

SPRIGGS, GEORGE H., Special Fellow in Social Work, nine months from September 16, 1962, $2,000 (8-21-62).

STEWART, THOMAS B., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, four months from September 1, 1962, $1,900 (8-21-62).


THEISS, PAUL E., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1962, $2,000 (9-13-62).

TRAASLAND, M. JEANNE, Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-21-62).

VOLNER, PATSY R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, $1,800 (9-12-62).

VOY, PHYLLIS G., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, $2,000 (9-12-62).


WEIDMAN, THOMAS A., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, $2,700 (7-30-62).

WELTMAN, ADELE M., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1962, $1,800 (8-21-62).

WILLIAMS, CHARLES A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $5,880, supersedes (9-19-62).
WILLICK, GORDON E., National Institute of Health Fellow (Trainee) in Chemistry, one year from September 1, 1962, $2,400 (9-10-62).

WINDOM, SULSA D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, $1,800 (9-20-62).

YACKEL, ADOLPH, Office of Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1962, $2,000 (9-12-62).

RESIGNATIONS, DECLINATIONS, AND CANCELLATIONS

AMON, ALBERT H., Assistant Professor of Psychology (Digital Computer Laboratory and College of Liberal Arts and Sciences) — declination effective September 1, 1962.

BERESKIN, BEN, Research Associate in Dairy Science — cancellation effective September 1, 1962.

BIRGE, WESLEY J., Assistant Professor of Zoology — resignation effective September 1, 1962.

BOSWORTH, R. C. L., Visiting Professor of Chemical Engineering — declination effective February 1, 1963.


BRIMHALL, PAULINE N., Associate Professor of Health Education (Home Economics) — resignation effective September 1, 1962.

BRUCE, ELEANOR A., Assistant in Home Economics — resignation effective November 1, 1962.

CELLI, VITTORIO, Assistant Professor of Metallurgical Engineering — resignation effective September 16, 1962.

DECKER, LORENE., Administrative Officer in Air Force Science — resignation effective September 1, 1962.

DEPEYSTER, FREDERIC, Clinical Associate Professor of Surgery (Medicine) — declination effective September 1, 1962.

DICKERSON, VINCENT M., Professor of Naval Science and Head of the Department — resignation effective September 1, 1962.

DIVILBIS, JAMES L., Research Associate in the Coordinated Science Laboratory — declination effective September 1, 1962.

EYDE, WILLIAM J., Instructor in Biological Sciences — resignation effective September 1, 1962.

FIZZ, THOMAS E., Instructor in Veterinary Research and in Veterinary Pathology and Hygiene — resignation effective September 1, 1962.

GISHENDORF, OXEN P., Assistant Editor with rank of Assistant Professor of Agriculture — resignation effective August 20, 1962.

GOLLICK, JOSEPH, Visiting Research Assistant Professor of Theoretical and Applied Mechanics — resignation effective September 1, 1962.

GORDON, WALTER R., Fellow in Geology — resignation effective September 16, 1962.

GUPTA, BRAJENDRA K., Fellow in Civil Engineering — resignation effective September 16, 1962.


HEDISH, NORMAN D., Instructor in Accountancy (Chicago Undergraduate Division) — declination effective September 1, 1962.

ISOLINE, CHARLES J., Assistant Extension Editor with rank of Assistant Professor of Agriculture — resignation effective September 15, 1962.

JANOWSKI, TADEUSZ M., Instructor in Architecture — resignation effective September 1, 1962.

JORDAN, DAVID M., Consultant in Psychology, with rank of Associate Professor — resignation effective September 1, 1962.

KINGSOLVER, JOHN M., Research Associate in the State Natural History Survey — resignation effective October 11, 1962.


LERNER, RICHARD H., Instructor in English (Chicago Undergraduate Division) — resignation effective September 1, 1962.

MACHINE, XENIA, Assistant Professor of Pharmacology (Medicine) — resignation effective September 1, 1962.

MADDEN, DIANA M., Research Assistant in Chemistry — resignation effective September 1, 1962.

MANN, DENNIS K., Research Associate in Veterinary Pathology and Hygiene (College of Veterinary Medicine) — resignation effective October 1, 1962.

MEYERS, BARBARA E., Fellow in Music — resignation effective September 16, 1962.

MOLTENI, AGOSTINO, Research Associate in Pathology (Medicine) — resignation effective October 1, 1962.

MORGAN, LEZLIE A., Research Assistant in the Coordinated Science Laboratory — declination effective September 1, 1962.

NEILL, DAVID M., Research Assistant in Electrical Engineering — resignation effective September 1, 1962.


PANTONE, ANTON M., Clinical Associate Professor of Radiology (Medicine) — resignation effective October 1, 1962.

PATTERSON, MURRAY N., Research Assistant in Mechanical Engineering — resignation effective September 1, 1962.

PATTON, WILLARD T., Instructor in Electrical Engineering — resignation effective September 1, 1962.


REYNOLDS, HARRY A., United States Public Health Service Fellow (Trainee) in Veterinary Medicine — resignation effective September 1, 1962.

ROBINSON, IRWIN B., Clinical Associate Professor of Surgery and Associate Professor of Oral and Maxillofacial Surgery — declination effective September 1, 1962.


SHENOI, B. ANANTHA, Assistant Professor of Electrical Engineering — resignation effective September 1, 1962.

SINGAL, MAHENDAR K., Visiting Professor of Mathematics — declination effective September 16, 1962.


STEER, WILLIAM H., Assistant Professor of Electrical Engineering — resignation effective September 1, 1962.

STREHL, FRANCIS W., Clinical Assistant Professor of Surgery (Medicine) — declination effective September 1, 1962.

STROMFELD, ROBERT M., United States Public Health Service Fellow (Trainee) in Anatomy (Medicine) — resignation effective July 1, 1962.

SUSINA, STANLEY V., Associate Professor of Pharmacy (Pharmacy) — resignation effective September 1, 1962.


YOUNGWORTH, RANDOLFE J., Research Assistant in Civil Engineering — cancellation effective September 16, 1962.

LEAVES OF ABSENCE

DeBoer, John J., Professor of Education — leave of absence, with full pay, for the first semester of 1962-63, on account of illness.

KAIFER, GERTRUDE E., Associate Professor and Assistant Leader of Extension Education and Training, in the Cooperative Extension Service in Agriculture and Home Economics — leave of absence, without pay, November 1 through 30, 1962, so that she may engage in graduate study at the University of Chicago.
Miller, Dwight C., Associate Professor of Art — leave of absence, without pay, one year from September 1, 1962, so that he may accept a Fulbright Research Grant for study abroad.

Wetmore, L. B., Professor of City and Regional Planning and Head of the Department — leave of absence, one-third time, without pay, September 1, 1962, through February 28, 1963, to enable him to work with the Chicago City Planning Department.

Retirements

Collins, William R., Chief Pharmacist and Instructor in Hospital Pharmacy — retirement effective September 1, 1962.

Hartley, Miles C., Professor of Mathematics (Chicago Undergraduate Division) — retirement effective September 1, 1962.

OCTOBER DEGREES CONFERRED

The Secretary presented for record the list of degrees conferred at Urbana, Illinois, as of October 15, 1962, on recommendation of the Urbana-Champaign Senate.

Summary

Degrees in the Graduate College, conferred at Urbana:

- Doctor of Philosophy .................................................................................................................. 153
- Doctor of Education ..................................................................................................................... 19
- Doctor of Musical Arts .................................................................................................................. 1
- Doctor of Business Administration ............................................................................................. 3
- Master of Arts ............................................................................................................................... 27
- Master of Science .......................................................................................................................... 54
- Master of Music ............................................................................................................................ 2
- Master of Education ...................................................................................................................... 2
- Master of Fine Arts ....................................................................................................................... 1
- Master of Comparative Law .......................................................................................................... 1

Total, Graduate College .................................................................................................................. (263)

Baccalaureate Degrees, conferred at Urbana:

- Bachelor of Science, College of Agriculture ............................................................................... 2
- Bachelor of Science, College of Engineering .............................................................................. 3
- Bachelor of Arts, College of Liberal Arts and Sciences ............................................................ 5
- Bachelor of Science, College of Liberal Arts and Sciences ....................................................... 7
- Bachelor of Science, College of Education ................................................................................. 6
- Bachelor of Science, College of Commerce and Business Administration ......................... 4
- Bachelor of Science, College of Journalism and Communications ........................................ 1
- Bachelor of Fine Arts, College of Fine and Applied Arts .......................................................... 1

Total, Baccalaureate Degrees ......................................................................................................... (29)

Total, Degrees Conferred at Urbana ............................................................................................. 292

Graduate College

Degree of Doctor of Philosophy

- In Accountancy
  William Bernard Barrett, B.S., Arkansas Agricultural and Mechanical College, 1952; M.B.A., University of Arkansas, 1954
  James William Giese, A.B., University of Washington, 1947; M.S., 1959
  Wayne Melvin Higley, B.S., University of Omaha, 1958; A.B., State University of Iowa, 1958; M.S., 1960
  George Clarence Mead, B.S., M.S., 1957, 1959

- In Agricultural Economics
  Albert Gail Madsen, B.S., M.S., Utah State University, 1956, 1960

- In Agronomy
  Russell Stanley Adams, Jr., B.S., M.S., Kansas State University, 1958, 1959
  Jere Evans Freeman, B.S., University of Tennessee, 1958; M.S., 1961
  Jack Corum Shannon, B.S., University of Tennessee, 1958; M.S., 1959
In Animal Science

George William Breniman, B.S., M.S., Colorado State University, 1949, 1959
Harley Allen Jordan, B.S., Utah State University, 1957; M.S., Montana State College, 1959

In Botany

Francis August Uecker, B.S., Quincy College, 1956; M.S., 1959

In Business

James Judson Chastain, B.S., University of Utah, 1948; M.B.A., University of Chicago, 1949
Atef Mohamed Ebied, B.Com., Cairo University, 1952; M.Com., Fouad University, 1956
Frank Johnson, B.S., University of Utah, 1955; M.S., 1959
Jerome Bernard Kernan, B.B.A., University of Cincinnati, 1957; M.S., 1959

In Ceramic Engineering

Rajnikant Babubhai Amin, B.S., Gujarat University, 1956; B.S.(Tech.), Banaras Hindu University, 1959; M.S., 1960
Charles Ainsley Hall, B.S., M.S., 1959, 1960

In Chemical Engineering

Donald Allen Bafus, B.S., Kansas State University, 1959; M.S., 1961
Robert Harold Baum, B.S., Cornell University, 1957
Floyd Allen Blankenship, B.S., University of Georgia, 1957
Richard Julian Challis Brown, B.S., M.S., University of Sydney, 1957, 1959
Philip John Burck, A.B., Lawrence College, 1958; M.S., 1960
William Cecil Deal, Jr., B.S., Louisiana College, 1958; M.S., 1962
Robert Clinton Fay, A.B., Oberlin College, 1957; M.S., 1960
Mary Twickler Frankhouser, B.S., University of Louisville, 1955
William Ernest Groves, B.S., Southern Methodist University, 1957; M.S., 1959
Herman Stewart Hendrickson II, A.B., Pomona College, 1959
Melvin Duane Joesten, B.S., Northern Illinois University, 1954; M.S., 1959
Soter George Kokalis, B.S., Purdue University, 1958; M.S., 1960
Marvin Joseph Konz, B.S., M.S., St. Bonaventure University, 1954, 1956
James Robert Kuszewski, B.S., Marquette University, 1959
John Allan Landgrebe, B.S., University of California (Berkeley), 1959
David Frank O'Brien, A.B., Wabash College, 1958
Lionel Mischa Raff, B.S., M.S., University of Oklahoma, 1956, 1957
William Herod Riley, Jr., B.S., University of Tampa, 1952; M.S., University of Florida, 1955
Wallace Larimer Rippie, A.B., University of Pennsylvania, 1954
Lawrence Henry Shepherd, Jr., B.S., Millsaps College, 1957; M.S., 1959
Robert Clayton Slagel, B.S., Western Michigan College of Education, 1958
Edward Frederick Steiglmann, B.S., University of Wisconsin, 1957; M.S., 1962
Harold Spencer Swofford, Jr., A.B., Western Washington College of Education, 1958; M.S., 1960
David Lawrence Tuleen, B.S., Wittenberg College, 1958

In Civil Engineering

Robert Nolan Bruce, Jr., B.S., M.S., Tulane University, 1952, 1953
Chunduri Venkata Chelapati, B.Eng., Andhra University, 1954; M.S., 1959
Kuen-Puo Chuang, B.S., National Taiwan University, 1956; M.S., 1959
Mohamed Aref Mahayni, B.S., University of Texas, 1958; M.S., 1959
Tonis Raamot, A.B., M.S., Columbia University, 1953, 1954, 1956
Sidney Herbert Simmonds, B.S., M.S., University of Alberta, 1954, 1956

In Dairy Science

Robert Merold Cook, B.S., M.S., 1957, 1961
LARRY LARUE EWING, B.S., University of Nebraska, 1958; M.S., 1960
RUSSELL LEWIS LARSON, B.S., M.S., South Dakota State College of Agriculture and Mechanic Arts, 1957, 1959
FRED WILLIAM WEYTER, A.B., University of Pennsylvania, 1956; A.M., Amherst College, 1958
CARL ARTHUR ZOGC, B.S., M.S., 1949, 1960

In Dairy Technology
GEORGE ARTHUR MUCK, B.S., M.S., 1959, 1961

In Economics
SAM BARONE, B.S., M.S., 1958, 1959
RUKUMA ITO, A.B., A.M., 1956, 1959
WILLIAM HALL WALLACE, B.B.A., M.B.A., University of Mississippi, 1955, 1956

In Education
ABEL-HAMID FAWZI ABDEL-AZIZ, B.Sc., Cairo University, 1945; A.M., California State Polytechnic College, 1957
DONALD GENE BEANE, A.B., Iowa Wesleyan University, 1951; A.M., 1958
DONALD FITZGERALD, Diploma, Sydney Technical College, 1951; A.M., 1961
FRANK HENRY KLASSEN, A.B., University of Manitoba, 1953; A.M., 1960
WILGA MARIE RIVERS, A.B., A.M., University of Melbourne, 1939, 1948

In Electrical Engineering
RICHARD LEE CUMMINS, B.S., M.S., 1953, 1959
VICTOR HUGO GONZALEZ, Engineer, National University of Cordoba, 1954; M.S., 1958
KENNETH WENDELL HEIZER, B.S., M.S., Southern Methodist University, 1950, 1951
WILLIAM FREDERICK Mcgee, B.A.Sc., A.M., University of Toronto, 1959, 1960
JOHN ORIN PENHOLLOW, B.S., University of Iowa, 1956; M.S., 1959

In English
MARGARET MECKES CONROW, A.B., Swarthmore College, 1954; A.M., 1956
JOHN HENRY DORENKAMP, A.B., A.M., St. Louis University, 1954, 1957
GEORGE BURNHAM FERGUSON, B.S., M.S., State Teachers College (St. Cloud, Minnesota), 1952, 1955
JOSEPH GEORGE JURICH, Ph.B., A.M., University of Chicago, 1946, 1951
RAYMOND ALBERT KLOPSCH, B.S., Illinois Institute of Technology, 1949; A.M., 1950
WILLIAM EDWARD LINDBLAD, A.B., A.M., 1951, 1955
WILLIAM ASHLEY McQUEEN III, A.B., Vanderbilt University, 1949; A.M., University of New Mexico, 1952
CHARLES ALEXANDER FENNEL, B.S., A.M., Memphis State College, 1955, 1956
DANIEL SHIVER SILVIA, JR., A.B., A.M., University of North Carolina, 1956, 1958

In Food Technology
DONALD ROBERT DICKERSON, B.S., M.S., 1950, 1959
KRYSTyna CZESLAWA KOPACZYK, B.S., Wayne State University, 1953; M.S., Western Reserve University, 1956

In Geography
CHARLES FREDERICK HELLER, JR., A.B., A.M., University of Kansas, 1952, 1957
ROYLE JAMES HEYL, B.S., M.S., 1953, 1957

In Geology
JOHN DALLAS BREDEHOEFT, B.S.E., Princeton University, 1955; M.S., 1957
NOBERT EVERETT CYGAN, B.S., M.S., 1954, 1956
JAMES LYNWOOD EADES, A.B., A.M., University of Virginia, 1950, 1953
DONALD ROBERT GORMAN, B.S., A.B., Saint Joseph's College (Indiana), 1953, 1957
JOHN WILLIAM HAWEY, A.B., Hanover College, 1954
WILLIAM HILTON JOHNSON, A.B., Earlham College, 1956; M.S., 1961
ROBERT FOLKE LUNDIN, A.B., Augustana College, 1958; M.S., 1961
ODELL S. McGUIRE, B.Geol., University of Tulsa, 1956; A.M., Columbia University, 1958
JARMO GEORG WILLIAM SODERMAN, A.B., Columbia University, 1957; M.S., 1960
In History
RALPH DALE GRAY, A.B., Hanover College, 1955; A.M., University of Delaware, 1958
JAMES OLIN RICHARDS, A.B., Georgetown College, 1958; A.M., 1960
JOSEPH FREDERICK ZACEK, A.B., A.M., 1952, 1953

In Home Economics
RUBY LOUISE FRANKLIN ADAMS, B.S., M.S., Kansas State University, 1953, 1957

In Horticulture
DAVID BUDD DICKINSON, Jr., B.S., University of New Hampshire, 1957

In Mathematics
JOSEPH HAROLD OPPERHEIM, B.S., University of Chicago, 1954; M.S., 1955
ROBERT CARTER SINE, B.S., 1958; M.S., Massachusetts Institute of Technology, 1959

In Mechanical Engineering
ROBERT BARKER GAITHER, B.M.E., Auburn University, 1951; M.S., 1957
RAYMOND JOHN GOLIK, B.S., M.S., 1953, 1959
ZUHAIR NAIM SARAFI, Diploma, Baghdad College of Engineering, 1956; M.S.E., University of Michigan, 1957

In Microbiology
STEPHEN BURT FRIEDMAN, A.B., University of Rochester, 1953; M.S., Syracuse University, 1955
RICHARD STEPHEN HANSON, B.S., South Dakota State College of Agriculture and Mechanic Arts, 1959
MASAKI HAYASHI, B.Agr., University of Tokyo, 1954
ROBERT WILLIAM KYNDBERG, A.B., Lake Forest College, 1954; M.S., 1958
RAYMOND CARLYLE VALENTINE, B.S., M.S., 1958, 1960

In Musicology
DOUBLE E HILL, B.Mus., Northwest Nazarene College, 1948; M.Mus., University of Idaho, 1954

In Physical Education
JAMES SALVATORE BOSCO, B.S., Springfield College, 1951; M.S., 1952
EUGENE VALEN DOROSCHUK, B.P.E., University of British Columbia, 1957; M.S., 1959
FRANCIS JOSEPH HAYDEN, A.B., University of Western Ontario, 1955; M.S., 1958

In Physics
WALTER BAUER, A.B., University of California, 1957; M.S., 1959
PAUL MARTIN BAUM, A.B., Columbia University, 1955; M.S., 1957
JOHN WILLIAM DE FORD, A.B., Carleton College, 1957; M.S., 1959
SNOWDEN LEMUEL ISAAC HUNTER, A.B., Berea College, 1956; M.S., 1958
DOUGLAS BEACH FITCHEN, A.B., Harvard College, 1957; M.S., 1959
FREDERICK GRAY, B.S., Union College, 1958; M.S., 1959
DON CARLOS HOPKINS, B.S., Eastern Illinois University, 1957; M.S., 1959
ROBERT KESSLER SWANK, A.B., Miami University, 1943; M.S., California Institute of Technology, 1948
ARTHUR BERTRAM CUTHBERT WALKER, Jr., B.S., Case Institute of Technology, 1957; M.S., 1958

In Physiology
JOHN KENNETH KLICKA, B.S., M.S., Northern Illinois University, 1957, 1958
ALLAN MARK LEFER, A.B., Adelphi College, 1957; A.M., Western Reserve University, 1959

In Plant Pathology
PAUL GENE CALTRIDER, B.S., Glenville State College, 1956; M.S., West Virginia University, 1958
DALE IVAN EDWARDS, B.S., Eastern Illinois University, 1956; M.S., 1960
WILLIAM LOUIS KLARMA, B.S., Eastern Illinois University, 1957; M.S., 1960
JANESHWAR UPADHYAY, B.S., Bihar University, 1954; M.S., Banaras Hindu University, 1956
In Political Science

LEONARD EDWIN GOODALL, A.B., Central Missouri State College, 1958; A.M., University of Missouri, 1960

JOSEPH BLANTON TUCKER, A.B., Ohio Wesleyan University, 1958; A.M., 1960

In Psychology

MOHAMMAD AKHTAR, A.B., Islamia College, 1955; A.M., University of Karachi, 1957

LYLE ROSS CREAMER, B.S., M.S., Kansas State University, 1953, 1959

LOWELL THOMAS CROW, B.S., A.M., University of South Carolina, 1957, 1959

ROBERT GOLDSTEIN, A.B., College of the City of New York, 1954

EDWARD ELLES KRIECKHAUS, A.B., Williams College, 1954

CHARLES LAWRENCE KUTSCHER, A.B., Georgetown College (Kentucky), 1958; A.M., 1961

COLIN GORDON MCDIARMID, A.B., University of British Columbia, 1954

DARL MAX PEDERSEN, B.S., M.S., Brigham Young University, 1957, 1958

ALBERT SANOM RODWAN, A.B., Wayne State University, 1957; A.M., 1961


JAMES SHAW TERWILLIGER, B.S., A.M., 1957, 1960

INA CEPENAS UZGIRIS, B.S., A.M., 1957, 1960

DANIEL JAMES WEINTRAUB, A.B., Dartmouth College, 1954; A.M., 1961

In Sociology

JULIE ELLEN WHITE, A.B., A.M., Texas State College for Women, 1945, 1950

In Spanish

DANIEL EDWARD QUILTER, A.B., University of Toledo, 1955; A.M., 1956

In Speech

MORRIS RAY BOGARD, Ph.B., Illinois Wesleyan University, 1950; A.M., 1952

JEAN VALJEAN CUTLER, A.B., Lynchburg College, 1955; A.M., 1959

ROGER LEON MEERSMAN, A.B., St. Ambrose College, 1952; A.M., 1959

NORMAN JERALD MYERS, A.B., Hiram College, 1957; A.M., 1959

Abe WOLLOCK, A.B., Brooklyn College, 1947; A.M., Cornell University, 1948

In Theoretical and Applied Mechanics

KENNETH RONALD BOCKMAN, B.S., University of Idaho, 1958; M.S., 1961

FRITZ EGBERT DOHSE, M.S., Louisiana State University, 1954

SHUN-KU LEE, B.S., National Taiwan University, 1956; M.S., 1960

ROBERT LEE THOMS, B.S., M.S., University of Texas, 1953, 1957

In Veterinary Medical Science

JULIUS PETER KREIER, D.V.M., University of Pennsylvania, 1953; M.S., 1959

ALVIN HAROLD SAFANIE, D.V.M., Cornell University, 1947; M.S., Michigan State University, 1950

In Zoology

WILBUR LILE FRENCH, B.S., M.S., 1956, 1957

Degree of Doctor of Education

In Education

DOLORES FAY AHRENS, B.S., M.S., 1951, 1954


LAURENCE DONALD BROWN, B.S., University of Dayton, 1953; Ed.M., Miami University, 1957

GLEN EDWARD GAIDES, B.S., M.S., 1955, 1957

NORMAN STANLEY GILBERT, B.S., Northern Illinois University, 1954; Ed.M., 1959

TOD HAMILTON HERRING, B.S., Northern Illinois University, 1949; A.M., Ohio State University, 1952

EDWARD LEONARD KELLY, B.S., State Teachers College (Lock Haven, Pennsylvania), 1953; Ed.M., Pennsylvania State University, 1954
James Leon Lister, B.S., M.S., Eastern Illinois University, 1958, 1959
Leon Mary Smith, A.B., A.M., University of Auckland, 1955, 1958
Robert McNiel Smith, B.S., University of Maryland, 1957; Ed.M., 1958
Louise Gavoni Soares, B.Mus., M.Mus., Boston University, 1954, 1956
Elizabeth Frances Spencer, B.S., Northeast Missouri State Teachers College, 1945; Ed.M., University of Missouri, 1951
Ronald Wilmer Stadt, B.S., Illinois State Normal University, 1957; Ed.M., 1958
Alan Roman Suess, B.S., A.M., Western Michigan University, 1956, 1959

In Music Education

Degree of Doctor of Musical Arts
Stephen Thomas Farish, Jr., B.S., East Carolina College, 1958; M.Mus., 1959

Degree of Doctor of Business Administration
Frank Miller Rachel, B.S., Oklahoma State University of Agricultural and Applied Science, 1952; M.Com., 1961
Leon Ernest Richartz, B.S., M.B.A., 1959, 1961
Halbert Calvin Smith, Jr., B.S., Purdue University, 1956; M.B.A., Indiana University, 1959

Degree of Master of Arts
In Art History
Mary Ellen Young Pagel, B.F.A., 1955

In English
Jean Carolyn Bendt, A.B., Northern Illinois University, 1960
Thomas Michael Bloom, A.B., 1960
Rosemary Annette Coffey, A.B., 1959
Helen Elisabeth Ostrowski, A.B., Northern Illinois University, 1960

In German
Naomi Irene Stephan, A.B., Indiana University, 1961

In History
John Henry Althoff, A.B., 1961
Marguerite Fallucco, A.B., 1959
James Anthony Harrington, B.S., Eastern Illinois University, 1954

In Labor and Industrial Relations
Walter Charles Brauer III, B.S., University of Kansas, 1961
Robert Evan Cole, A.B., Hobart College, 1959

In Mathematics
Frederick George Wise, A.B., 1961

In Philosophy
Stanley Jack Odell, A.B., University of Kansas City, 1960
Velva Jeanne Osborn, B.S., Kansas State Teachers College (Emporia), 1939; A.M., University of Chicago, 1944

In Political Science
Karen Draut Long, A.B., Ohio Wesleyan University, 1961
Eugene Arnold Olsen, B.S., New York University, 1954
Frederick Lee Wettering, A.B., 1961
In Psychology

Richard Lee Gorsuch, A.B., Texas Christian University, 1959
Glenn Irwin Hatton, A.B., North Central College, 1960
Edward Andrew Holovka, B.S., Pennsylvania State University, 1958
Richard Edwin Martin, A.B., Pomona College, 1955; B.D., McCormick Theological Seminary, 1959
Luther James Tromater, A.B., Bethany College, 1958

In Russian

Michael Hegedus, A.B., Augustana College, 1959
Richard Trickovich, A.B., 1961

In Social Sciences

Homer Wessel Swenson, B.S., University of Pittsburgh, 1949

In Spanish

William Whitney Cressey, A.B., Trinity College, 1961
Marcia Simpson Lewis, A.B., College of Notre Dame (Maryland), 1961

Degree of Master of Science

In Accountancy

Metwalli Badawi Amer, B.Com., Cairo University, 1957
James Conrad Jacobson, A.B., Lake Forest College, 1957
Mohamed Onsi Mohamed, B.Com., Cairo University, 1956
James Ernest Wheeler, B.S., Bowling Green State University, 1958

In Advertising

Jerry Richard Lynn, B.S., Southern Illinois University, 1960

In Agricultural Economics

Lawrence Alvin Duewer, B.S., 1960
Robert Christopher Hughes, B.S., 1961

In Ceramic Engineering

Richard Martin Brown, B.S., 1961
Howard Wayne Hill, B.S., 1961
William Gordon Long, B.S., 1961
Valentine Morris Patarini, B.S., 1961

In Chemical Engineering

David Randolph Carter, B.S., Stanford University, 1961
John Robert Collier, B.S., South Dakota School of Mines and Technology, 1961
Harold Sonny Hahn, B.Ch.E., University of Dayton, 1960
John Louis Kardos, B.S., Pennsylvania State University, 1961
James Lyle McCormick, B.S., Oregon State College, 1961
Jon Mixio Yatabe, B.S., University of California (Berkeley), 1960

In Civil Engineering

Stewart Willard Johnson, B.S., South Dakota State College, 1956; A.B., University of Maryland, 1961

In Dairy Science

Anna Sophie Berner, B.S., The Royal Veterinary and Agricultural College (Denmark), 1961
Evan Earl Jones, B.S., Colorado State University, 1960
Padmakar Nilkanth Rao Pathak, B.V.Sc., University of Saugar, 1952
Audrey Delbert Wagner, B.S., 1957

In Education

Anita Louise Hermann, B.S., University of Wisconsin (Milwaukee), 1959

In Entomology

Diamantia Nallini Tiyasaka Wickramasinghe, B.S., University of Ceylon, 1957
In Finance
PETER JOHN WALSH, A.B., LaSalle College, 1957

In Food Technology
EDWARD CLARENCE GROESCHEL, Jr., B.S., Illinois Institute of Technology, 1958

In Geology
JOAN ESTHER GORDON, B.S., University of Wisconsin, 1956

In Home Economics
HELEN MILLER HOUSE, B.S., 1943
ALICE PIXLEY KOENERECKE, B.S., Eastern Illinois University, 1958
FRANCES MILLER LAFONT, B.S., University of Tennessee, 1957

In Journalism
WILLIAM DAVID PENNIMAN, B.S., 1960

In Library Science
MARGUERITE BROOKS FERGUSON, B.S., Southern University, 1945
SOONG OK LEE YI, A.B., Ewha Womans University, 1950

In Marketing
MORRIS DAVID LOSKOVE, B.B.A., Memphis State University, 1961
RICHARD DALE VON RIESEN, B.B.A., Washburn University of Topeka, 1960

In Mechanical Engineering
WILLIAM GRANT YEICH, JR., B.S., Drexel Institute of Technology, 1960

In Metallurgical Engineering
BRUNO GRISON, Ing., Ecole Nationale Superieure des Mines, 1961
HASSELL MARION LEDBETTER, JR., B.S., Wayne State University, 1961
RAJ KUMAR MALIK, B.S., University of Delhi, 1958
RICHARD BRUCE MINCH, B.S., Case Institute of Technology, 1960

In Physical Education
DONALD EDWIN BROWNING, B.S., Eastern Illinois University, 1961
ASHER FARHI, B.S., Northeast Missouri State Teachers College, 1961
ABRAHAM ISRAEL GROSSFELD, B.S., 1960
HAROLD EUGENE HARRIS, B.S., 1960
RAY OLSON McCULING, B.S., Agricultural and Mechanical College of Texas, 1959

In Physiology
THOMAS CHARLES BIANCO, A.B., St. Ambrose College, 1960

In Recreation
HENRY ALEXANDER TURIK, A.B., Central Washington College of Education, 1961

In Sanitary Engineering
THOMAS HENRY PATTON, Jr., B.Eng., Vanderbilt University, 1961

In Theoretical and Applied Mechanics
ARTHUR RALPH GIAQUINTA, B.S., Northeastern University, 1960

In Zoology
MARSHALL BURNICE BISCHOFF, B.S., 1960
NOYCE LANE BISCHOFF, A.B., Berea College, 1960
BRUCE BENNER CRILEY, B.S., 1960
NANCY JO VAN CURA, B.S., 1959
Degree of Master of Music
Barbara Kathryn Barnett, A.B., Wellesley College, 1960
Ted Arlen Harris, A.B., William Jewell College, 1953; B.Mus., Oklahoma Baptist University, 1961

Degree of Master of Education
Edward James Finn, B.S., Lewis College of Science and Technology, 1961
Mildred Miller Rea, B.S., Eastern Illinois University, 1957

Degree of Master of Fine Arts
In Landscape Architecture
Donald Lumsden Walker, Jr., B.F.A., 1955

Degree of Master of Comparative Law
Paul S. Fu, LL.B., Soochow University, 1960

Collegiate of Agriculture
Degree of Bachelor of Science
In Agriculture
David Boerner
In Home Economics
Melba Jean Oakley Snively

Collegiate of Engineering
Degree of Bachelor of Science
In Aeronautical and Astronautical Engineering
Virgil Alfred Blythe
In Civil Engineering
Esteban Antonio Quintero
In Engineering Physics
Bruce Dee Wheeler

Collegiate of Liberal Arts and Sciences
Degree of Bachelor of Arts
In Liberal Arts and Sciences
Virginia Lytle Brougher
Patrick Cogan O'Day
Barbara Isrealda Schrote
Nancy Ann Singman, (Posthumously)
In the Teaching of English
Terry Janis Libman

Degree of Bachelor of Science
In Chemical Engineering
William Byron Ayton
In Liberal Arts and Sciences
Beverly Dennen, Honors
in Liberal Arts and Sciences
Donna Peters Kolariik
Jack Komenetzky
Larry Ray Mittendorf
Bonnie Louise Molander, Honors
in Liberal Arts and Sciences
Alvin Ronald Voelkner

Collegiate of Education
Degree of Bachelor of Science
In Elementary Education
Nancy Townsend Clement
Lynn Fox Eggers
Florence Beverly Goldman
Penelope Groves
Myrna Bornstein Levin
By vote of the Board of Trustees, the November meeting has been changed from the third Wednesday, November 21, to Friday, November 9, so that official action by the Board can be taken on the University's building program for 1963-65 and estimates of state capital appropriations needed in time for filing of said estimates with the State Department of Finance not later than November 15, as required by law.

President Clement reminded the Board that it has agreed to hold the November meeting in Danville to enable the Trustees to participate in the dedication of the University's Radio Telescope at the Vermilion River Observatory in the outskirts of Danville, the dedication to be sponsored jointly by the University and the Danville Chamber of Commerce. Official notice of the meeting and schedule will be sent by the Secretary.

RECESS

The Comptroller reported that bids on the Housing Revenue Bonds which will be issued to finance construction of the Illinois Street Residence Halls were opened at 11:00 a.m. today and are being evaluated. He asked that action on the recommendation relating to the revenue bond issue be deferred until later in the day.

President Clement stated that President Henry has requested a recess period to give representatives of the press an opportunity to ask questions and to secure further information concerning the biennial operating budget for 1963-65 which has been approved at today's meeting.

At 12:05 p.m., on motion of Mr. Dilliard, the Board recessed.
When the Board reconvened, at 1:40 p.m., the same members of the Board and officers of the University were present as recorded at the beginning of these minutes.

**HOUSING REVENUE BONDS OF 1962, SERIES B AND C**

(23) Eight bids were received at 11:00 a.m. today (October 17, 1962) in the Illini Center, LaSalle Hotel, Chicago, for the sale of $2,400,000 of Housing Revenue Bonds of 1962, Series B, and six bids were received at the same time for certain maturities of $4,300,000 Housing Revenue Bonds, Series C, to finance construction of the Illinois Street Residence Halls.

The Vice-President and Comptroller recommends that the Series B bonds be sold to Wertheim and Company, 1 Chase Manhattan Plaza, New York, New York, and L. F. Rothschild and Company, 120 Broadway, New York, New York, at a price of $2,377,392 plus accrued interest and at an effective interest rate of 3.4867 per cent; that $390,000 of Series C bonds maturing in 1965 through 1972 be sold to Smith, Barney, and Company and Associates at a price of $390,287.82 plus accrued interest and at an effective interest rate of 2.7723 per cent; and that $790,000 Series C bonds maturing in 1973 through 1982 be sold to Wertheim and Company and L. F. Rothschild and Company at a price of $791,003.30 plus accrued interest and at an effective interest rate of 3.172 per cent. These bids represent the lowest interest cost to the University.

Submitted herewith are schedules of all bids received, copies of which have been filed with the Secretary of the Board for record.

The Vice-President and Comptroller presents a Loan Agreement (Contract No. H(402)-697) with the Federal Housing and Home Finance Agency and recommends that he be authorized to execute it. In accordance with the provisions of the Loan Agreement, he recommends that $3,120,000 Series C bonds maturing in 1983 through 2002 be sold to the Housing and Home Finance Agency at par and accrued interest and at an interest rate of 3.6 per cent.

The Vice-President and Comptroller also presents the Sixth Supplemental Housing Bond Resolution supplementing the Resolution approved December 17, 1958, and creating $2,400,000 Housing Revenue Bonds of 1962, Series B, and $4,300,000 Housing Revenue Bonds of 1962, Series C, and recommends its adoption.

He further recommends that the Board (1) authorize the execution of the bonds by A. J. Janata, Secretary of the Board, by facsimile signatures of the President of the Board, and by the facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board, and (2) ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the bonds to the purchasers indicated above.

The President of the University concurs in all the foregoing recommendations.

On motion of Mr. Johnston, these recommendations were approved and the Sixth Supplemental Housing Bond Resolution supplementing the Resolution approved December 17, 1958, and creating $2,400,000 Housing Revenue Bonds of 1962, Series B, and $4,300,000 Housing Revenue Bonds of 1962, Series C, was adopted, this action being taken by the following vote of record: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

**Sixth Supplemental Housing Revenue Bond Resolution**

A Resolution Creating and Authorizing the Issue, Authentication, and Delivery of $2,400,000 Housing Revenue Bonds of 1962, Series B, and $4,300,000 Housing Revenue Bonds of 1962, Series C, and Further Supplementing a Resolution Duly Adopted by the Board of Trustees of the University of Illinois on December 17, 1958.

Whereas, The Board of Trustees of the University of Illinois, on due consideration and investigation, does now find and determine that it is advisable
and necessary and in the interests of the University of Illinois and the welfare of its students and faculty to construct and equip additional buildings and related facilities for the purpose of housing its students and staff; and

WHEREAS, in order to provide such facilities it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes 1961, and all laws amendatory thereof and supplemental thereto; and

WHEREAS, the Board of Trustees of the University of Illinois on December 17, 1958, did duly adopt a resolution (herein sometimes called "Original Resolution") providing for the issuance of revenue bonds; and

WHEREAS, the Board of Trustees of the University of Illinois on June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, and May 24, 1962, respectively, duly adopted First, Second, Third, Fourth and Fifth Supplemental Resolutions for the purpose of supplementing the Original Resolution and providing for the issuance of additional revenue bonds thereunder, and

WHEREAS, there are now issued and outstanding under the Original Resolution as supplemented by the First, Second, Third, Fourth and Fifth Supplemental Resolutions thereto, $24,296,000 aggregate principal amount of Bonds designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds" and having the further designations of year and series in the respective principal amounts as follows:

<table>
<thead>
<tr>
<th>Year and Series</th>
<th>Principal Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1958, Series A</td>
<td>$1,570,000</td>
</tr>
<tr>
<td>1958, Series B</td>
<td>1,477,000</td>
</tr>
<tr>
<td>1959, Series A</td>
<td>90,000</td>
</tr>
<tr>
<td>1959, Series B</td>
<td>1,489,000</td>
</tr>
<tr>
<td>1959, Series C</td>
<td>3,410,000</td>
</tr>
<tr>
<td>1959, Series D</td>
<td>3,410,000</td>
</tr>
<tr>
<td>1960, Series A</td>
<td>5,000,000</td>
</tr>
<tr>
<td>1960, Series B</td>
<td>5,000,000</td>
</tr>
<tr>
<td>1960, Series C</td>
<td>750,000</td>
</tr>
<tr>
<td>1962, Series A</td>
<td>2,100,000</td>
</tr>
</tbody>
</table>

WHEREAS, the Board of Trustees of the University of Illinois now desires to create and to authorize the issue, authentication and delivery of an additional issue of Bonds under and in accordance with the Resolution as supplemented by this Sixth Supplemental Resolution thereto which additional Bonds are to be limited to the aggregate principal amount of $6,700,000 at any one time outstanding, $2,400,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series B (hereinafter called "1962 Series B Bonds") and $4,300,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series C" (hereinafter called "1962 Series C Bonds").

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois:

ARTICLE ONE

SUPPLEMENTARY PROVISIONS RELATING TO INCOME AND THE APPLICATION THEREOF

SECTION 1.1. Pledge of Revenues. The pledge of the revenues (including the revenues to be derived from the operation of Project G hereinafter mentioned) contained in Section 5.01 of the Original Resolution and Section 1.1 of each of the First, Second, Third, Fourth and Fifth Supplemental Resolutions is hereby ratified and confirmed and all revenues to be derived from the operation of Project G are hereby specifically pledged for the purposes mentioned in said Section 5.01 of the Original Resolution.

SECTION 1.2. Supplementation of Revenues. It is hereby determined by the Board of Trustees and it is hereby covenanted that in view of the additional issue of Bonds to be outstanding it is necessary to supplement the revenues to be derived from the facilities by a further use of student tuitions which are author-
ized by law to be retained in the Treasury of the University and therefore the limitation contained in clause (b) of Section 5.03 of the Original Resolution as supplemented by Section 1.2 of each of the First, Second, Third, Fourth and Fifth Supplemental Resolutions be and the same is hereby increased by an amount equal to $250,000 so that such supplementation shall henceforth be an amount not to exceed in any one fiscal year the lesser of (a) an amount which when added to the revenues to be derived from the facilities will be sufficient to meet the annual operating expenses of the facilities and to provide for the payments required to be made into the Bond and Interest Sinking Fund established for the benefit of the Bonds in subsection (b) of Section 5.02 of the Original Resolution, or (b) $1,110,000 plus such additional sums as may be specified in any other resolution supplemental to the Resolution as supplemented hereby, creating or authorizing the issuance of additional Bonds.

ARTICLE TWO


SECTION 2.1. Project G and Purpose of Issue of Bonds. The project (hereinafter designated "Project G") to be acquired, constructed, equipped and completed pursuant to this Sixth Supplemental Resolution is described in a general way as:

A residence hall to be located north of Illinois Street and east of the Student-Staff Apartments, consisting of two housing buildings, one food service building and a lounge-recreation building for approximately 1210 undergraduate students, sometimes known as the Illinois Street Residence Halls, plus parking lots near the Illinois Street Residence Halls and the Graduate Residence Halls.

The estimated cost of said Project G is $6,700,000 exclusive of land and exclusive of any pro rata share of the University power and heating plant serving the Project, but including the cost of extending utilities to the Project. The estimated cost of each portion of said Project G is more fully set forth in the plans and specifications therefor on file with the Comptroller of the University.

It is hereby determined that in order to produce the funds necessary to construct and equip Project G that the University borrow the sum of $6,700,000 and in evidence thereof to issue its Housing Revenue Bonds hereunder in said principal amount.

SECTION 2.2. Terms of 1962 Series B Bonds and 1962 Series C Bonds. There is hereby created and authorized two additional series of Bonds to be issued under the Resolution as supplemented by this Sixth Supplemental Resolution to be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Six Million Seven Hundred Thousand Dollars ($6,700,000) at any one time outstanding, Two Million Four Hundred Thousand Dollars ($2,400,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series B" (hereinafter called "1962 Series B Bonds") and Four Million Three Hundred Thousand Dollars ($4,300,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1962, Series C" (hereinafter called "1962 Series C Bonds").

The 1962 Series B Bonds and the 1962 Series C Bonds shall be issued as negotiable coupon Bonds dated October 1, 1962, registrable as to principal in the denomination of $1,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to April 1, 1963, in which case they shall be dated October 1, 1962. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons, shall be numbered in such manner satisfactory to the Trustee as may be designated by the Comptroller and shall be issued in denominations of $1,000 or multiples thereof, shall bear interest from October 1, 1962, payable semiannually on the first days of April and October in each year until paid, commencing April 1, 1963, at the rates provided below and shall mature in the following amounts on October 1 of the following years:
<table>
<thead>
<tr>
<th>Year of Maturity</th>
<th>1962 Series B Bonds</th>
<th>1962 Series C Bonds</th>
</tr>
</thead>
<tbody>
<tr>
<td>1965</td>
<td>$20,000 3%</td>
<td>$40,000 2½%</td>
</tr>
<tr>
<td>1966</td>
<td>20,000 3%</td>
<td>40,000 2½%</td>
</tr>
<tr>
<td>1967</td>
<td>30,000 3%</td>
<td>40,000 2½%</td>
</tr>
<tr>
<td>1968</td>
<td>30,000 3%</td>
<td>50,000 2.90%</td>
</tr>
<tr>
<td>1969</td>
<td>30,000 3%</td>
<td>50,000 2.90%</td>
</tr>
<tr>
<td>1970</td>
<td>30,000 3%</td>
<td>50,000 2.90%</td>
</tr>
<tr>
<td>1971</td>
<td>40,000 3%</td>
<td>60,000 2.90%</td>
</tr>
<tr>
<td>1972</td>
<td>40,000 3%</td>
<td>60,000 2.90%</td>
</tr>
<tr>
<td>1973</td>
<td>40,000 3%</td>
<td>70,000 3%</td>
</tr>
<tr>
<td>1974</td>
<td>40,000 3%</td>
<td>70,000 3%</td>
</tr>
<tr>
<td>1975</td>
<td>40,000 3%</td>
<td>70,000 3%</td>
</tr>
<tr>
<td>1976</td>
<td>40,000 3%</td>
<td>70,000 3%</td>
</tr>
<tr>
<td>1977</td>
<td>50,000 3⅓%</td>
<td>70,000 3½%</td>
</tr>
<tr>
<td>1978</td>
<td>50,000 3⅓%</td>
<td>80,000 3⅓%</td>
</tr>
<tr>
<td>1979</td>
<td>50,000 3⅓%</td>
<td>80,000 3⅓%</td>
</tr>
<tr>
<td>1980</td>
<td>50,000 3⅓%</td>
<td>90,000 3⅓%</td>
</tr>
<tr>
<td>1981</td>
<td>50,000 3⅓%</td>
<td>90,000 3⅓%</td>
</tr>
<tr>
<td>1982</td>
<td>50,000 3⅓%</td>
<td>100,000 3⅓%</td>
</tr>
<tr>
<td>1983</td>
<td>50,000 3⅓%</td>
<td>110,000 3⅓%</td>
</tr>
<tr>
<td>1984</td>
<td>50,000 3⅓%</td>
<td>110,000 3⅓%</td>
</tr>
<tr>
<td>1985</td>
<td>60,000 3⅓%</td>
<td>120,000 3⅓%</td>
</tr>
<tr>
<td>1986</td>
<td>60,000 3⅓%</td>
<td>120,000 3⅓%</td>
</tr>
<tr>
<td>1987</td>
<td>60,000 3⅔%</td>
<td>120,000 3⅔%</td>
</tr>
<tr>
<td>1988</td>
<td>70,000 3⅔%</td>
<td>130,000 3⅔%</td>
</tr>
<tr>
<td>1989</td>
<td>70,000 3⅔%</td>
<td>130,000 3⅔%</td>
</tr>
<tr>
<td>1990</td>
<td>70,000 3⅔%</td>
<td>130,000 3⅔%</td>
</tr>
<tr>
<td>1991</td>
<td>70,000 3⅔%</td>
<td>140,000 3⅔%</td>
</tr>
<tr>
<td>1992</td>
<td>80,000 3⅔%</td>
<td>150,000 3⅔%</td>
</tr>
<tr>
<td>1993</td>
<td>80,000 3⅔%</td>
<td>150,000 3⅔%</td>
</tr>
<tr>
<td>1994</td>
<td>80,000 3⅔%</td>
<td>150,000 3⅔%</td>
</tr>
<tr>
<td>1995</td>
<td>90,000 3⅔%</td>
<td>160,000 3⅓%</td>
</tr>
<tr>
<td>1996</td>
<td>90,000 3⅔%</td>
<td>160,000 3⅓%</td>
</tr>
<tr>
<td>1997</td>
<td>100,000 3⅔%</td>
<td>170,000 3⅔%</td>
</tr>
<tr>
<td>1998</td>
<td>100,000 3⅔%</td>
<td>180,000 3⅔%</td>
</tr>
<tr>
<td>1999</td>
<td>120,000 3⅔%</td>
<td>190,000 3⅔%</td>
</tr>
<tr>
<td>2000</td>
<td>130,000 3⅔%</td>
<td>210,000 3⅔%</td>
</tr>
<tr>
<td>2001</td>
<td>130,000 3⅔%</td>
<td>230,000 3⅔%</td>
</tr>
<tr>
<td>2002</td>
<td>140,000 3⅔%</td>
<td>250,000 3⅔%</td>
</tr>
</tbody>
</table>

The 1962 Series B Bonds and the 1962 Series C Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on October 1, 1972, or on any interest payment date thereafter in the inverse order in which they mature at the principal amount thereof plus accrued interest to the date of redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<table>
<thead>
<tr>
<th>Period of Redemption</th>
<th>Applicable Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 1, 1972 through April 1, 1977</td>
<td>3%</td>
</tr>
<tr>
<td>October 1, 1977 through April 1, 1982</td>
<td>2½%</td>
</tr>
<tr>
<td>October 1, 1982 through April 1, 1987</td>
<td>2%</td>
</tr>
<tr>
<td>October 1, 1987 through April 1, 1992</td>
<td>1½%</td>
</tr>
<tr>
<td>October 1, 1992 through April 1, 1997</td>
<td>1%</td>
</tr>
<tr>
<td>October 1, 1997 or thereafter prior to maturity</td>
<td>None</td>
</tr>
</tbody>
</table>

provided, however, that the 1962 Series C bonds maturing in the years 1997 through 2002 shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date at the principal amount thereof plus accrued interest to the date of redemption and without premium. All redemptions shall be made in the manner, upon the notice, and with the effect provided in Article Three of the Original Resolution.
SECTION 2.3. Payment of Principal and Interest. Both the principal of and
the interest on the 1962 Series B Bonds and the 1962 Series C Bonds shall be
payable in any coin or currency which, on the respective date of payment of such
principal and interest, is legal tender for the payment of debts due the United
States of America, at The First National Bank of Chicago, or its successor, in
the City of Chicago, Illinois, or, at the option of holders at The Chase Manhattan
Bank, or its successor, in the Borough of Manhattan and City and State of
New York.

SECTION 2.4. Form of Bonds. The definitive coupon Bonds of 1962 Series B
and 1962 Series C, the interest coupons to be attached thereto, and the form of
fully registered Bonds without coupons of 1962 Series B and 1962 Series C, shall
be in substantially the following forms with appropriate insertions, omissions and
variations to evidence differences in series, number, interest rate, maturity and
like matters:

(Form of Coupon Bond)

UNITED STATES OF AMERICA
STATE OF ILLINOIS
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF
ILLINOIS HOUSING REVENUE BOND OF 1962
(Series ............)

Number.....................

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS,
a body corporate, created and existing under the laws of the State of Illinois,
for value received promises to pay to bearer, but only out of the Housing Rev-
enue Bond Fund, as hereinafter provided for, and not otherwise, the principal
sum of ONE THOUSAND DOLLARS ($1,000), on October 1, 19........., and to
pay interest on said sum from the date hereof until paid at the rate of ..............
per cent (........%) per annum, payable April 1, 1963, and semiannually thereafter
on the first days of April and October in each year until the principal amount
hereof has been fully paid. Interest accruing on this bond on and prior to the
maturity date hereof shall be payable on presentation and surrender of the interest
coupons hereto attached as they subsequently become due, but no interest shall
accrue on this bond after the maturity hereof unless this bond shall be presented
for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any
coin or currency which, on the respective dates of payment of such principal
and interest, is legal tender for the payment of debts due the United States of
America, at The First National Bank of Chicago (hereinafter called "Trustee"),
or its successor in trust under the Resolution hereinafter referred to, in the City
of Chicago, Illinois, or, at the option of the holder, at The Chase Manhattan
Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of .................. Dollars ($...........)
principal amount of Housing Revenue Bonds of 1962, Series ............., which, with the 1962 Series ............. Bonds constitute an issue of Six
Million Seven Hundred Thousand Dollars ($6,700,000), issued or to be issued
pursuant to a Bond Resolution of The Board of Trustees of the University of
Illinois duly adopted December 17, 1958, as supplemented by First, Second, Third,
Fourth, Fifth and Sixth Supplemental Resolutions thereto duly adopted June 23,
1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, and October 17,
1962, respectively (said Bond Resolution as so supplemented being herein referred
to as the "Resolution"), for the purpose of providing funds for paying the cost of
constructing and equipping student and staff housing and related facilities. Said
Resolution, among other things, provides for the issuance of additional bonds
pursuant thereto in the manner and upon the terms and conditions more fully set
forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in
part on October 1, 1972, or on any interest payment date thereafter in the inverse
order in which they mature at the option of The Board of Trustees of the Uni-
versity of Illinois at par and accrued interest to the date of redemption and a
premium as follows: three per cent (3%) of the principal amount thereof if
redeemed October 1, 1972 through April 1, 1977; two and one-half per cent
(2½%) of the principal amount thereof if redeemed October 1, 1977 through
April 1, 1982; two per cent (2%) of the principal amount thereof if redeemed October 1, 1982 through April 1, 1987; one and one-half per cent (1½%) of the principal amount thereof if redeemed October 1, 1987 through April 1, 1992; one per cent (1%) of the principal amount thereof if redeemed October 1, 1992 through April 1, 1997; and without premium if redeemed October 1, 1997 or thereafter.

(1962 Series C Bonds Only)

The period at the end of the foregoing paragraph shall be deleted in the 1962 Series C Bonds and a semicolon substituted therefor and the following proviso added to the end of said paragraph.

[provided, however, that the bonds of this series maturing in the years 1997 through 2002 shall be redeemable prior to their maturity at the option of The Board of Trustees of the University of Illinois, either in whole or in part, on any interest payment date at the principal amount thereof plus accrued interest to the date of redemption and without premium].

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of $1,110,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Trustees in Chicago, Illinois, such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made on such books by the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer hereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of
the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, the Trustee, and any paying agent may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of $1,000 and as registered bonds without coupons in the denomination of $1,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66⅔%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the interest rate or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of
Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of October, 1962.

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

Attest:............................................................
Secretary

By.............................................................
President

Member

Member

(Form of Interest Coupon)

Number........................................... $................................

On the first day of....................................................., 19........ (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of ................................................

Dollars ($............................. ...) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York, as provided in the Housing Revenue Bond of 1962, Series........, dated October 1, 1962, Number..................................


(From of Registered Bond Without Coupons)

UNITED STATES OF AMERICA

STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS HOUSING REVENUE BOND OF 1962

(Series .............)

Number............................................ $.......................... 

The Board of Trustees of the University of Illinois, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Housing Revenue Bond Fund as hereinafter provided for, and not otherwise) to ............................................................., or registered assigns, on October 1, 19........, the principal sum of ................................................ Dollars ($............................. ...) and to pay interest thereon which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the Trustee hereinafter mentioned as Bond Registrar, at the rate of ................................................ per cent (..................%) per annum, payable April 1, 1963, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of ............................................ Dollars ($............................. ...) principal amount of Housing Revenue Bonds of 1962, Series ........., which, with the 1962 Series ...... Bonds constitute an issue of Six Million Seven Hundred Thousand Dollars ($6,700,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of
Illinois duly adopted December 17, 1958, as supplemented by First, Second, Third, Fourth, Fifth and Sixth Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, and October 17, 1962, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on October 1, 1972, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if redeemed October 1, 1972 through April 1, 1977; two and one-half per cent (21/2%) of the principal amount thereof if redeemed October 1, 1977 through April 1, 1982; two per cent (2%) of the principal amount thereof if redeemed October 1, 1982 through April 1, 1987; one and one-half per cent (11/2%) of the principal amount thereof if redeemed October 1, 1987 through April 1, 1992; one per cent (1%) of the principal amount thereof if redeemed October 1, 1992 through April 1, 1997; and without premium if redeemed October 1, 1997 or thereafter.

(1962 Series C Bonds Only)

The period at the end of the foregoing paragraph shall be deleted in the 1962 Series C Bonds and a semicolon substituted therefor and the following proviso added to the end of said paragraph.

[provided, however, that the bonds of this series maturing in the years 1997 through 2002 shall be redeemable prior to their maturity at the option of The Board of Trustees of the University of Illinois, either in whole or in part, on any interest payment date at the principal amount thereof plus accrued interest to the date of redemption and without premium].

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of $1,110,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illi-
nois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and shall be transferable by the registered owner to the principal office of the Trustee in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution, upon payment of the transfer charges therein prescribed. The Board of Trustees of the University of Illinois, the Trustee and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of $1,000 and as registered bonds without coupons in the denomination of $1,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66⅔%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage of principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.
ARTICLE THREE

MISCELLANEOUS

SECTION 3.1. Application of Bond Proceeds. The Board of Trustees hereby determines that Project G will become revenue producing on or about September 30, 1964 and therefore that portion of the proceeds of the 1962 Series B Bonds and 1962 Series C Bonds representing the interest accrued on such Bonds to the date of payment thereof shall, together with an amount equal to the interest to accrue on such Bonds through September 30, 1964 be deposited with the Trustee in the Bond and Interest Sinking Fund account as required by Section 6.01 of the Resolution. The balance of said proceeds of the 1962 Series B Bonds and 1962 Series C Bonds shall, as required by Section 6.01 of the Resolution, be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation and shall be accounted for as one or more separate funds. The application of the funds in such accounts and the disposition thereof shall in all respects comply with all the terms and provisions of Article Six of the Resolution, subject to the terms and provisions of any contract or agreement permitted by or contemplated in said Article Six between The Board of Trustees and any original purchaser of such Bonds.

SECTION 3.2. Exchanges of 1962 Series B Bonds and 1962 Series C Bonds. Notwithstanding the provisions of Section 2.08 of the Original Resolution the University may, in addition to any other charges permitted to be made upon the exchange or transfer of bonds, charge to the holders of any fully registered 1962 Series B Bonds and 1962 Series C Bonds presented for exchange for coupon Bonds, the actual costs of printing new coupon Bonds for the purpose of making such exchange. However, 1962 Series B Bonds and 1962 Series C Bonds originally issued in fully registered form at the time of initial delivery thereof may be exchanged without charge for coupon Bonds by the initial purchaser of such Bonds.

SECTION 3.3. Interpretation and construction. This Sixth Supplemental Resolution is supplemental to and is adopted in accordance with Sections 2.06 and 4.02 of the Resolution. In all respects not inconsistent with this Sixth Supplemental Resolution, the Resolution is hereby ratified, approved and confirmed, and all of the definitions, terms, covenants and restrictions of the Resolution shall be applicable to the additional Bonds authorized by this Sixth Supplemental Resolution and the proceeds thereof except as otherwise expressly provided. All of the terms and provisions of this Sixth Supplemental Resolution shall be deemed to be part of the terms and provisions of the Resolution, and the Resolution and this Sixth Supplemental Resolution shall be read, taken and construed as one and the same instrument. In executing or authenticating any Bond authorized by this Sixth Supplemental Resolution the Trustee and each officer, agent or employee of the University shall be entitled to all of the privileges and immunities afforded to them under the terms of the Resolution.

SECTION 3.4. Resolution Effective on Passage. This resolution shall become effective upon its passage.
STATE OF ILLINOIS
COUNTY OF CHAMPAIGN} ¶s.

I, ........................................................................... do hereby certify that I am the
duly elected, qualified and acting Secretary of The Board of Trustees of the
University of Illinois, and as such official have charge and custody of the minutes
and records of said Board of Trustees.

I further certify that the attached resolution is a true, correct and exact copy
of the original resolution adopted by The Board of Trustees of the University of
Illinois at its legally convened meeting held on the 17th day of October, 1962, all as
appears of record in my office.

IN WITNESS WHEREOF I have hereunto set my hand and the seal of
said University this ................................................ day of .................................................,
19........

Secretary as aforesaid.

CONTRACTS FOR CONSTRUCTION OF ILLINOIS STREET
RESIDENCE HALLS

(24) The Director of the Physical Plant and the Vice-President and Comptroller
recommend awards of contracts for the construction of the Illinois Street Residence
Halls (for 1,210 single undergraduate students) in the area between Illinois and Green
Streets and east of the Student-Staff Apartments in Urbana, the award in each case
being to the lowest bidder:

General — Kuhne-Simmons Company, Inc., Champaign.................. $3 639 870
   Base bid .................................................. $3 669 870
   Deductive alternates for omission of reflective pool in
   central court and substitution of top soil; replace-
   ment of all black walnut wall paneling in the food
   service building and the two residence hall build-
   ings with painted plaster; substitution of enamel
   finish on ceilings in toilet rooms and shower rooms
   in the dormitory buildings for ceramic tiled ceilings
   −30 000

Elevator — Otis Elevator Company Chicago.............................. 183 381

Food Service Equipment — Century Equipment
   Company, Chicago .......................................... 190 696

Plumbing— Nu-Way Plumbing Service, Inc., Chicago.................. $429 500
   Base bid .................................................. $436 000
   Deductive alternate for omission of reflecting pool
   in the central court and substitution of a drain in
   the filled court and a storm sewer from the drain to
   a manhole in the court .................................... −6 500

Heating, Piping, and Refrigeration — Borg, Inc., Chicago............ 353 730

Ventilating — R. H. Bishop Company, Champaign...................... 197 844

Thermal Insulation — General Insulation, Inc., Peoria................. 69 900

Temperature Control — Minneapolis-Honeywell Regulator Company,
   Chicago ................................................................ 35 961
   Base bid .................................................. $ 51 627
   Deductive alternate for omission of the central control
   center ................................................................. −15 666

Electrical — Art-O-Lite Company, Inc., Galesburg..................... 407 880
   Base bid .................................................. $419 200
   Deductive alternates for omission of all electrical work
   for the reflecting pool fountain system; all wiring
   and equipment from communications sound system;
   secondary clocks in corridors and floor lounges in
   the two residence hall buildings and offices in the
   lounge building .............................................. −11 320

Total .......................................................... $5 508 762
Funds will be available from the proceeds of revenue bonds to finance the construction of these halls, which are being sold today.

Submitted herewith is a report from the Physical Plant Department on this project including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur in these recommendations.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

EXECUTIVE SESSION
At this point, on motion of Mr. Swain, an executive session was ordered for consideration of the following matters of business.

PURCHASE OF PROPERTIES
(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the following properties:

<table>
<thead>
<tr>
<th>Property Description</th>
<th>Sale Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1111 West Springfield Avenue, Urbana, Illinois</td>
<td>$19,750</td>
</tr>
<tr>
<td>1113 West Springfield Avenue, Urbana, Illinois</td>
<td>$18,250</td>
</tr>
<tr>
<td>1208 West Oregon Street, Urbana, Illinois</td>
<td>$33,600</td>
</tr>
</tbody>
</table>

The sale prices are within University appraisals and have been reviewed with the Buildings and Grounds Committee which recommends these purchases.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, purchase of these properties, at the prices indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Wilkins.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE
(2) The University Patent Committee submits, with the concurrence of the University Research Board, the following reports and recommendations relating to patentable inventions by members of the staff.

Group A. It is the judgment of the Committee that the inventions in this group have little possibility of commercial development and the recommendation in each case is that the University's rights in the invention be released as indicated.

1. Flash light source—Robert K. Swank, Graduate Student in Physics, inventor. The purpose of the flash lamp is to produce a focused spot of light of high intensity and short duration, repetitive at about one flash per second, with
all flashes of equal intensity. The features of this arrangement are low stray inductance with high light gathering efficiency and operation in an atmosphere of nitrogen. In concurrence with various members of the Department of Physics, the Committee recommends that the rights in this invention be released to the sponsoring agency, the United States Air Force.

2. Contour-tracing pattern recognizer—Paul Weston, Research Assistant in Electrical Engineering, inventor. This device consists of an oscilloscope, a photomultiplier which receives light from the oscilloscope face and a special feedback circuit connecting the photomultiplier to the oscilloscope. It is impossible to exhaustively enumerate the methods which are applicable to this process. In concurrence with the head of the department and the inventor, the Committee recommends that the rights in this invention be released to the sponsoring agency, the United States Navy.

3. Agitator-incubator for aseptic culturing of virus-infected cells and tissue in liquid media—H. H. Thornberry, Professor of Plant Pathology, inventor. The apparatus was constructed to provide the growth of isolated plant tissue cultures under aseptic conditions in a chemically defined liquid medium with controlled temperature and aeration by agitation. In concurrence with the head of the department, the Committee recommends that the rights in the invention be released to the inventor.

4. Automatic recording light-scattering instrument—Hiroshi Mizukami, Graduate Student in Biophysics, inventor. The light-scattering instruments are designed so as to measure the ratio of the intensity of incident light I, and that of scattered light from a sample cell I. In general, the angular dependence of scattered light is measured with rotating either a photomultiplier or a minor system around the cell manually. After study and report by the University of Illinois Foundation, the Committee recommends release of the rights in this invention to the sponsoring agency, the United States Public Health Service.

5. Iron core electromagnet with windings of niobium—G. B. Yntema, Research Associate in Physics (1954), inventor. There are two potentially novel features in this design—the use of superconductive windings and the use of iron to augment the field possible with superconducting windings. After study and report by the University of Illinois Foundation, the Committee recommends the release of the rights of the University in this invention to the inventor.

6. Methods for generating hypersonic waves in liquids—Floyd Dunn, Associate Professor of Electrical Engineering, inventor. The novel features of the invention lie in the fact that the quarter wave matching sections of two methods considered enable a sufficiently high electric field gradient to be developed over the thickness of the piezoelectric plate such that the plate vibrates and thereby produces sound waves in the contiguous liquid. After study and report by the University of Illinois Foundation, the Committee recommends release of the rights of the University to the sponsoring agency, the United States Navy.

7. Non-contacting device for accurately locating the spin axis direction of a rotating object—Howard W. Knoebel, Research Associate Professor in the Coordinated Science Laboratory, and A. T. Nordsieck, Research Professor in the Coordinated Science Laboratory, inventors. The device employs two diametrically opposite photoelectric, magnetic, or electrostatic transducers which scan the surface of the rotating object and produce electrical signals in accordance with random surface texture or pattern material applied to the surface of the rotating object. After study and report by the University of Illinois Foundation, the Committee recommends that the rights of the University be released to the sponsoring agency, the United States Army Signal Corps.

Group B. In the judgment of the Committee, the inventions in this group are potentially patentable and may have some value. The Committee therefore recommends that the University's rights be released to the University of Illinois Foundation for further study, development, and possible patentable application.

1. Transistorized digital-to-analog converter—William J. Kopek, Research Assistant in the Coordinated Science Laboratory, and Jack Stifle, Research Assistant in the Coordinated Science Laboratory, inventors. This device utilizes switching techniques whereby constant voltage or constant current generators are switched into or out of a coupling network, and the sum of the voltages or currents produced by these generators at the output is the analog representation of the input digital level. (Under United States Army Signal Corps Contract.)
2. Internally reflecting confocal resonant system — Don F. Holshouser, Associate Professor of Electrical Engineering, inventor. This resonator is generally composed of two opposing reflecting elements with the active medium, either a crystal or a gas, filling the region between. It is useful for frequencies in which wavelengths are short compared to physical dimensions. (Under United States Air Force Contract.)

3. Magnetic pulse integrator — James L. Divilbiss, Research Associate in the Coordinated Science Laboratory, inventor. The principle advantages of this circuit are (1) very large count ranges are possible; (2) nondestructive interrogation; (3) greater independence of setting pulse amplitude for a specified count range; (4) greater temperature independence; (5) device can be incremented both positively and negatively; and (6) count range — i.e., the number of set pulses required to bring the output to a specified level — can be adjusted without changing the setting pulse amplitude. (Under United States Army Signal Corps Contract.)

4. High temperature, high vacuum brazeable electrical feedthrough — Nicholas Vassos, Electronics Technician in the Coordinated Science Laboratory, inventor. The electrical feedthrough is a molybdenum sheet and molybdenum pin isolated electrically with Corning 1720 or Corning 1723 alumina silicate glass. (Under United States Army Signal Corps Contract.)

5. Disposable tissue grinder — Deam H. Ferris, Associate Professor of Veterinary Pathology and Hygiene and Senior Member in the Center for Zoonoses Research, inventor. The novel feature is the disposability of the device since the time involved in cleaning and sterilizing the traditional mortar and pestle or tissue grinder greatly limits their use in multiple specimens or in the field. (Under United States Public Health Service Grant.)

Group C.

1. Passive element resonant levitation servo — Howard W. Knoebel, Research Associate Professor in the Coordinated Science Laboratory, inventor. This is a device to suspend objects in electric or magnetic fields without need of amplifiers. The principle is to use the characteristics of a resonant circuit to reverse the slope of the relationship between distance and field intensity. The technique is equally applicable to magnetic and electric field levitation devices.

The Committee has been advised by the University of Illinois Foundation that there is little likelihood of commercial development. The inventor does not wish to have the rights released to him and it is therefore recommended that the University’s rights be released to the United States Army Signal Corps.

I concur in these recommendations.

On motion of Mr. Swain, these recommendations were approved.

REQUEST FOR RETURN OF GIFT

(3) Mrs. Nellie Voight Freeman of Mattoon, Illinois, a former member of the Board of Trustees, transferred a farm to the University by a deed recorded January 18, 1960, subject to the retention of a life estate in Mrs. Freeman and an additional life estate in her daughter, Mrs. Bernadine Freeman Bailey, 253 East Delaware Place, Chicago 11, Illinois. The land is located about seven miles north of Mattoon and includes approximately 218 acres. Mrs. Freeman passed away on October 14, 1962, and is survived by her daughter, Mrs. Bailey.

The deed provides that the farm is to be retained by the University for not less than fifty years after the deaths of the life tenants and is to be operated as an “example of good farming practice in the community in which it is located.” During such period the income is to be used for educational purposes and thereaf ter the University may dispose of the property, retaining the proceeds of any sale of the farm as a perpetual endowment fund for the same purposes.

Prior to Mrs. Freeman’s death, the University received the following request from the attorney for the two life tenants:

“Because of difficulties in leasing the land for farming, since prospective tenants are not interested in leasing the land and investing in improvements to farm the land because of the title which depends upon the uncertainty of the two life estates with the remainder in the University of Illinois, Mrs. Freeman would appreciate the return of her gift by the reconveyance of
the land to her, and will express her gratitude by making other gifts to the University of Illinois."

Subsequently the Legal Counsel advised the attorney that in his opinion compliance with the request for reconveyance was not within the power of the Board of Trustees as it would constitute a gift of public property without consideration other than an indefinite and unenforceable promise of future gifts. It was suggested to the attorney that the feasibility of the University joining with the life tenants in a lease to a prospective tenant be explored, but this alternative was not acceptable to the attorney, who requested that the matter be presented to the Board of Trustees for action, which request was repeated after the death of Mrs. Freeman.

The Legal Counsel states that he remains of the opinion that the Board has no legal right to comply with the request for reconveyance of the property since such would constitute a prohibited gift of public property. The Vice-President and Comptroller, and the Legal Counsel, therefore, recommend that the request be denied but that the attorney for the life tenants be advised of the University's continuing willingness to cooperate in solving the problem of securing tenants by joining in the negotiation of leases.

I concur.

On motion of Mr. Pogue, the foregoing recommendation was accepted and adopted as the action of the Board.

On motion of Mr. Swain, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President
The November meeting of the Board of Trustees of the University of Illinois was held in the Wolford Hotel, Danville, Illinois, on Friday, November 9, 1962, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner, Mr. Earl M. Hughes, and Mr. George T. Wilkins were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel; and the officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT
President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

BUILDING PROGRAM FOR 1963-65
(1) Submitted herewith is the proposed building program for the biennium of 1963-65, based upon the recommendations of the University Building Program Committee and consultation with the University Council.

I recommend that the Board of Trustees approve this building program for presentation to the appropriate state officials and agencies, and committees of the Seventy-third General Assembly of Illinois; and I further recommend that the President of the Board, the Chairmen of the Board Committees on Buildings and Grounds, General Policy, and Finance, and the President of the University be authorized to represent the Board of Trustees in such conferences as may be required in discussing the program with state officials and agencies.

The building program and requests for state capital appropriations for 1963-65, as prepared by the Building Program Committee and recommended by the President of the University, were submitted to the members of the Board of Trustees in advance of today's meeting. The building program had also been studied in detail by the Committee on Buildings and Grounds in consultation with the President and other University officers at two meetings, on July 17 and November 8, 1962, in which other Trustees participated.

President Henry, Vice-President and Provost Lanier, and Comptroller Farber again reviewed the recommendations.

Following this presentation and discussion by the Trustees, on motion of Mr. Pogue, the building program and recommendations were approved, and authority was given as requested. This action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

The complete report of the Building Program Committee, including the schedules of capital funds to be requested in state appropriations for 1963-65, on which this action was taken, was filed with the Secretary of the Board for official record.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES
(2) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHUR LIEBER, JR.</td>
<td>University City, Missouri</td>
<td>Missouri</td>
</tr>
<tr>
<td>DONALD ALAN NAY</td>
<td>Lombard, Illinois</td>
<td>Indiana</td>
</tr>
<tr>
<td>ALFRED F. ROLFE</td>
<td>St. Louis, Missouri</td>
<td>Missouri</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Johnston, these certificates were awarded.
APPoitNMENTS TO THE FACULTY
(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. Bernard Century, Assistant Professor of Biological Chemistry, College of Medicine, beginning September 1, 1962, without salary (DY).

2. Richard William Tiecke, Lecturer with rank of Professor, Department of Oral Pathology, College of Dentistry, beginning September 1, 1962, on one-tenth time, at an annual salary of $1,200 (DY10).

3. Clara Beatrice Weimer, Assistant Professor of Psychology, Department of Psychiatry, College of Medicine, beginning September 17, 1962, at an annual salary of $9,000 (BY100).

4. Peng-Chih Constance Yang, Visiting Assistant Professor of Civil Engineering, for the academic year 1962-63, at a salary of $6,500 (E).

5. Avivi I. Yavin, Research Assistant Professor of Physics, beginning October 15, 1962, at an annual salary of $11,000 (DY).

6. James Webb Young, Visiting Professor of Advertising, College of Journalism and Communications, for one month from February 8, 1963, at a salary of $2,000 (G).

On motion of Mr. Swain, these appointments were confirmed.

ADVISORY COMMITTEE FOR THE DIVISION OF UNIVERSITY EXTENSION
(4) The Dean of the Division of University Extension recommends the following appointments to the Division of University Extension Advisory Committee for two years beginning September 1, 1962, unless otherwise indicated.

Representatives of the University
Professor Charles K. Brightbill, Head, Department of Recreation and Municipal Park Administration
Professor Warren F. Doolittle, Jr., Department of Art
Professor Kenneth J. Trigger, Department of Mechanical Engineering

These appointees replace Professors Ross J. Martin, College of Engineering; R. Stewart Jones, College of Education; and Duane A. Branigan, Director, School of Music, whose terms have expired.

Other representatives of the University on the Committee are Professors Harvey W. Huegy, Head, Department of Marketing, and George W. White, Head, Department of Geology.

Non-University Representatives
Russell L. Guin, President, Interstate Printers and Publishers, Inc., Jackson at VanBuren, Danville, for one year
William R. McIntosh, Superintendent, Rockford Public Schools, 201 South Madison Street, Rockford
Gerald Plank, Director, Department of Personnel, Caterpillar Tractor Company, Joliet

These appointees replace Mr. Dale Sutton, Supervisor of Personnel, Illinois Bell Telephone Company, 212 West Washington Street, Chicago 6, and Mr. Russell L. Guin, Danville, whose terms have expired. Mr. Guin is being re-appointed for one year to fill the unexpired term of Mr. Richard G. Browne who has asked to be relieved of this assignment.

Other non-University representatives are Mr. Lloyd McBride, Sub-district Director, United Steelworkers of America, Granite City, and Mr. Earl I. Swords, President, Peoria Tractor Company, Peoria. Their terms expire September, 1963.

I concur.

On motion of Mrs. Watkins, these appointments were approved.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES
(5) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:
Urbana-Champaign

1. College of Agriculture
   Department of Agronomy, South Farm heating system .................. $ 2,800
   Department of Plant Pathology, equipment ......................... 5,965
   Department of Forestry, pressure-vacuum cylinder and related
   instrumentation (an addition to $10,000 appropriated July 18,
   1962) ........................................................................ 4,600
2. College of Education
   Industrial Education, equipment (surface planer and Universal
   grinder) ........................................................................ 6,900
   University High School, audio-visual equipment and library
   expansion ...................................................................... 7,227
3. College of Engineering
   Department of Civil Engineering, Universal testing machine .... 25,500
   Physics Betatron, prefabricated metal building .................... 8,000
4. College of Fine and Applied Arts
   School of Music, practice pianos and organs .................... 36,000
5. College of Liberal Arts and Sciences
   Department of Chemistry and Chemical Engineering, undergradu-
   date teaching equipment .............................................. 5,266
   Department of Mathematics, equipment ................................ 8,135
   Department of Psychology, Comparative Laboratory furnishings
   and equipment ................................................................ 9,322
6. Library, equipment .......................................................... 21,520
7. College of Physical Education
   Ice Rink, ice resurfer .................................................. 8,500
8. Physical Plant Department
   Department of Mechanical Engineering, remodeling to increase re-
   search space and for expansion of Machine Shop ................. 4,400
9. Statistical Service Unit, auxiliary equipment for the 1401 IBM
   Computer ...................................................................... 5,242
10. University Extension
    Audio-Visual Aids Service, replacement of equipment, materials,
    and supplies lost in a fire (an addition to $25,000 appropriated
    April 19, 1961) .......................................................... 30,040
    
    Total Urbana-Champaign .................................................. (189,417)

Chicago Undergraduate Division

11. College of Architecture and Art, equipment ......................... 4,540
12. Library, additional acquisitions ........................................ 15,000

Medical Center

13. Physical Plant, replacement of ducts in the Medical Research
    Laboratory ...................................................................... 33,000
14. College of Pharmacy, equipment ........................................ 14,000
    
    Grand Total ................................................................... $255,957

I concur.

On motion of Mr. Johnston, these appropriations were made by the
following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr.
Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent,
Mr. Hughes, Mr. Kerner, Mr. Wilkins.

CONTRACTS FOR MODERNIZATION OF ELEVATORS

(6) The Director of the Physical Plant and the Vice-President and Comptroller
    recommend awards of contracts for modernization of elevators in three buildings,
    the award in each case being to the lowest bidder:

Montgomery Elevator Company, Chicago
   David Kinley Hall ...................................................... $24,398
   Westinghouse Electric Corporation, Elevator Division, Chicago
   Mumford Hall .......................................................... 30,367
   Library .......................................................................... 29,870
It is recommended that one contract be awarded to Westinghouse for the Mumford Hall and Library jobs at a total contract price of $60,237. Funds are available in the state capital appropriations to the University for 1961-63 and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

CONTRACTS FOR CONSTRUCTION OF ADDITION ON BURNSIDES RESEARCH LABORATORY

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of a third floor addition on the Burnsides Research Laboratory to provide additional usable space for seminar and office areas, the award in each case being to the lowest bidder:

<table>
<thead>
<tr>
<th>Category</th>
<th>Company</th>
<th>Bid Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>A. F. Krall Construction Company, Inc., Decatur</td>
<td>$32,343</td>
</tr>
<tr>
<td>Electrical</td>
<td>Square Deal Electrical Contracting, Inc., Urbana</td>
<td>3,100</td>
</tr>
<tr>
<td>Plumbing</td>
<td>Thomas Plumbing and Heating Company, Urbana</td>
<td>1,579</td>
</tr>
<tr>
<td>Heating and Temperature Control</td>
<td>David W. Reichard, Plumbing and Heating, Urbana</td>
<td>5,300</td>
</tr>
<tr>
<td>Ventilating</td>
<td>Reliable Plumbing and Heating Company, Champaign</td>
<td>4,095</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$46,417</strong></td>
</tr>
</tbody>
</table>

Funds are available in the original financing of the project.

Submitted herewith is a supporting memorandum from the Physical Plant Department including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Dilliard, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

CONTRACT FOR LABORATORY EQUIPMENT FOR THE COLLEGE OF EDUCATION BUILDING

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $62,701 to E. H. Sheldon Equipment Company, St. Louis, Missouri, the lowest bidder, for fixed laboratory equipment for the College of Education Building.

It is further recommended that this contract be assigned to Felmley-Dickerson Company, Urbana, Illinois, the contractor for general construction work on this building, making the total of his contract price $2,795,023; and that an agreement be entered into with Felmley-Dickerson Company for the assignment of the contract with E. H. Sheldon Equipment Company to that firm without any adjustment in the original fee ($27,000) for assignment of other contracts which amount has been included in the contract price, being the amount bid as a service charge for supervision of contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.
CONTRACTS FOR REMODELING ILLINOIS SURGICAL INSTITUTE

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling and construction of an addition to the fourth floor of the Illinois Surgical Institute, a unit of the Research and Educational Hospitals, the award in each case being to the lowest bidder:

General—Oman and Giden, Inc., Northfield.........................$ 63,660
Base bid .............................................$ 61,300
Additive alternates
Service charge for supervision of other contracts assigned to this contractor.......................... 2,000
Air conditioning ............................................. 360
Laboratory Equipment—Browne-Morse Company, Chicago.................... 16,574
Plumbing—Ewing Plumbing, Inc., River Forest ............................ 7,500
Heating—Louis Cutler Plumbing and Heating Company, Chicago........... 20,140
Base bid .............................................$11,400
Additive alternate for air conditioning............................ 8,740

Ventilating—Byness, Inc., Chicago........................................ 14,653
Electrical—Divane Brothers Electric Company, Chicago.................. 16,670
Base bid .............................................$15,940
Additive alternate for air conditioning............................... 730

Total..........................................................$139,197

The contracts are for remodeling of the present fourth floor and construction of an addition on the roof of the Illinois Surgical Institute for research laboratories for the Department of Orthopaedics.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $139,197; and that an agreement be entered into with Oman and Giden, Inc., for the assignment of these other contracts for $2,000 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released and from a matching National Institutes of Health Grant (RC-1069).

A schedule of all bids received is submitted herewith and is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

CONTRACTS FOR REMODELING AND AIR CONDITIONING IN FIRST UNIT OF DENTISTRY-MEDICINE-PHARMACY BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling and air conditioning conference and lecture rooms in the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

Heating—Utility Air Conditioning and Heating Company, Oak Park.. $ 54,411
Base bid .............................................$ 52,811
Additive alternate for service charge for supervision of other contracts assigned to this contractor.......................... 1,600
Ventilating—Narowitz Heating and Ventilating Company, Chicago...... 20,370
Plumbing—Ewing Plumbing, Inc., River Forest ............................ 705
Electrical—Midwest Interstate Electrical Construction Company, Chicago............................................. 13,872
General—Simpson Construction Company, Chicago........................ 18,841

Total..........................................................$108,199

It is further recommended that all contracts other than the contract for heating be assigned to the contractor for that work, making the total of his contract price $108,199; and that an agreement be entered into with Utility Air Conditioning and Heating Company for the assignment of these other contracts.
for $1,600 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of all bids received is submitted herewith and a copy is filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of architects and engineers for the following assignments and on the terms indicated:

Veterinary Medicine, Small Animal Clinic — Perkins and Will, Chicago, for architectural services including preliminary studies, working drawings, plans and specifications, and supervision of construction, at a fee of 6 per cent of the construction costs.

Physical Plant Service Building, Medical Center — Friedman, Alschuler, and Sincere, Chicago, for architectural services including design, working drawings, plans and specifications, and supervision of construction, at a fee of 6 per cent of the cost of construction.

Paving of Oak Street, Construction of Central Trash Disposal Depot, and Construction of Parking Facilities South of Florida Avenue, Urbana-Champaign — Clark, Daily, Dietz, and Associates, Urbana, for engineering services including surveys, estimates of cost, preparation of plans and specifications, and general supervision of construction, at a fee based on Schedule B of minimum fees of the Illinois Society of Professional Engineers.

These firms have been recommended for the specific assignments by the Advisory Committee on the Selection of Architects and Engineers. The Committee on Buildings and Grounds has also been consulted and recommends approval. I concur in these recommendations.

On motion of Mr. Pogue, these recommendations were approved.

PURCHASES

(12) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

I concur.

**Chicago Colleges and Divisions**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic instruments consisting of eleven vacuum tube voltmeters, eleven audio oscillators, and eleven amplifiers</td>
<td>Engineering, University of Illinois</td>
<td>Crossley Associates, Inc., Chicago</td>
<td>$6,764.69 delivered</td>
</tr>
<tr>
<td>Two superspeed refrigerated centrifuges for continuous and batch operation with accessories</td>
<td>Medicine, University of Illinois</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>$5,100.00 delivered</td>
</tr>
<tr>
<td>One research microscope and photomicrographic accessories</td>
<td>Oral Anatomy, University of Illinois</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$3,359.46 delivered</td>
</tr>
<tr>
<td>Rehabilitation of one 200-ton refrigeration compressor including cleaning and reassembling of all compressor parts, cleaning of the cooler and condenser, and replacement of parts wherever necessary</td>
<td>Physical Plant, University of Illinois</td>
<td>Carrier Air Conditioning Co., Chicago</td>
<td>$11,630.00 estimated price</td>
</tr>
<tr>
<td>One hypothermia unit, to be used for the control of patient's body temperature in the Recovery and Operating Rooms of the Research and Educational Hospitals</td>
<td>Research and Educational Hospitals, University of Illinois</td>
<td>Hemathermatrol Corp., Indianapolis, Ind.</td>
<td>$2,550.00 freight allowed</td>
</tr>
</tbody>
</table>
### Item

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of hospital equipment consisting of 27 examining tables, one treatment table, one treatment cabinet, 24 pieces of diagnostic equipment, one bassinet, one cast cutter, eight stools, and 12 waste cans</td>
<td>Research and Educational Hospitals</td>
<td>Chicago Hospital Supply Co., Chicago</td>
<td>$6,431.06 delivered</td>
</tr>
<tr>
<td>Two sets of balanced stainless steel metal doors, frames, and hardware for replacements of existing entrances at 805 South Wolcott Street and 817 South Wolcott Street, at the Medical Center, Chicago</td>
<td>Physical Plant</td>
<td>Ellison Bronze Co., Inc., Chicago</td>
<td>$916.00 delivered</td>
</tr>
<tr>
<td>One measurement and recording system consisting of: Recording oscillograph, twelve-trace capacity, speeds 0.25 to over 100 inches per second; seven galvanometers, trace numbering, electronic flash timing (Group A) Two amplifiers, D.C., 20 KC, single channel, frequency response flat to ±1 per cent (Group B) Amplifier, carrier, four-channel, 20 KC, rack mount (Group C)</td>
<td>Civil Engineering</td>
<td>Consolidated Electrodynamics Corp., Chicago</td>
<td>$10,001.75 f.o.b. delivered</td>
</tr>
<tr>
<td>One computer, digital, and data storage unit, 1 to 4 simultaneous discrete inputs, 400 ordinates One extra modulator set; 1-type-punch read control unit One light bank</td>
<td>Civil Engineering</td>
<td>Mnemotron Corp., c/o Electronic Aides, Chicago</td>
<td>$14,095.00 f.o.b. North Haven, Conn.</td>
</tr>
<tr>
<td>One recording system consisting of two eight-channel units, 1½ and 60 lps, 6-10,000 cps, FM (Group A) One magnetic oscillograph, 18-channel, with 0-500 and 0-1000 cps galvanometers, rack mount (Group B) 16-amplifier modules and two-rack mounts and power supplies (Group C)</td>
<td>Civil Engineering</td>
<td>Minneapolis-Honeywell Regulator Co., Chicago (Group A) Consolidated Electrodynamics Corp., Chicago (Group B) Dana Laboratories, c/o Pivan Engineering, Chicago (Group C)</td>
<td>$22,000.00 $5,430.20 $6,900.00 $34,420.20</td>
</tr>
<tr>
<td>Fifteen steel plates, size 4 ft. by 8 ft. by ½ in. thick, produced from one heat under military specifications</td>
<td>Civil Engineering</td>
<td>United States Steel Corp., Chicago</td>
<td>$3,876.63 f.o.b. delivered</td>
</tr>
<tr>
<td>One kerr-cell camera system, 5 nanoseconds to 10 microseconds exposure time</td>
<td>Coordinated Science Laboratory</td>
<td>Electro-Optical Instruments, Inc., Pasadena, Calif.</td>
<td>$4,285.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 15,000 copies of <em>The Universe in Motion</em>, by J. Myron Atkin and Stanley P. Wyatt, approximately 96 pages per copy, trim size 8½ in. by 11 in., to be printed by offset</td>
<td>Elementary Education</td>
<td>George Banta Co., Chicago</td>
<td>$3,118.18 f.o.b. delivered</td>
</tr>
<tr>
<td>One counter, eight-digit, solid stage, 50 mc. sensitivity 0.1 volt, RMS time base stability ± 3 parts in 10⁵ per day, with plug-in to extend range to 100 mc. and with time interval plug-in with 0.1 microsecond resolution One digital recorder for use with above and with analog output installed</td>
<td>Electrical Engineering</td>
<td>Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago</td>
<td>$5,075.00 f.o.b. Palo Alto, Calif.</td>
</tr>
<tr>
<td>One slicing machine, crystal, manually indexed, 6 in. by 12 in. table area (this machine is used for precision slicing of wafers from semi-conductor materials such as germanium with a minimum amount of lost material; semi-conductor materials are used to make electronic devices such as transistors and diodes)</td>
<td>Electrical Engineering</td>
<td>DoAll Rockford Co., Rockford</td>
<td>$3,904.36 f.o.b. delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>One analog computer including chassis, power supplies, amplifiers, pre-patch program system, variable function diode generator, patch-bay installation kits, pre-patch panel, and slaving cable</td>
<td>Electrical Engineering</td>
<td>Electronic Associates, Inc., Mount Prospect</td>
<td>$8,391.00</td>
</tr>
<tr>
<td>One liquid scintillation spectrometer with bench top electronics, one gas fraction collector, and one supply kit containing chemicals and standards to put the spectrometer and collector into operation</td>
<td>Food Technology</td>
<td>Packard Instrument Co., Inc., La Grange</td>
<td>$13,199.00</td>
</tr>
<tr>
<td>One high vacuum ultracentrifuge, preparative type and two rotors for use in the study of lipoproteins in the human blood stream</td>
<td>Food Technology</td>
<td>Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$8,995.00</td>
</tr>
<tr>
<td>Laboratory equipment and apparatus for stock in the General Chemical Stores including one recording spectrophotometer, glass cutters, micro burners, rubber tubing, ring supports, rubber sheeting, hydrion paper, razor blades, and neoprene filter adapters (this is an estimated six-month supply)</td>
<td>General Chemical Stores</td>
<td>Chicago Apparatus Co., Chicago</td>
<td>$4,655.00</td>
</tr>
<tr>
<td>One lot laboratory glassware including flasks, distilling columns, condensers, stoppers, and thermometers for stock in the General Chemical Stores (this is an estimated six-month supply)</td>
<td>General Chemical Stores</td>
<td>Chatas Glass Co., Vineland, N.J.</td>
<td>$2,564.01</td>
</tr>
<tr>
<td>Computer service for the period of October 5, 1962, to June 30, 1964</td>
<td>Physics</td>
<td>General Motors Corp. Research Laboratories, Warren, Mich.</td>
<td>$30,000.00</td>
</tr>
<tr>
<td>One monochromator, double pass quartz prism, including beam chopper, wavelength range 0.2 to 5.2 microns</td>
<td>Physics</td>
<td>The Perkin-Elmer Corp., Norwalk, Conn.</td>
<td>$3,815.00</td>
</tr>
<tr>
<td>One prism, mounted fused quartz, 60°, 60 by 70 mm.</td>
<td>Physics</td>
<td>Nuclear Research Instruments, Berkeley, Calif.</td>
<td>$10,090.00</td>
</tr>
<tr>
<td>One data read-out system consisting of new encoders, translators, and output control electronics for precision film reader</td>
<td>Mechanical and Industrial Engineering</td>
<td>Consolidated Electrodynamics Corp., Chicago</td>
<td>$5,176.00</td>
</tr>
<tr>
<td>One oscillograph, recording 18 trace capacities, recording one recording spectrophotometer, glass cutters, micro burners, rubber tubing, ring supports, rubber sheeting, hydrion paper, razor blades, and neoprene filter adapters (this is an estimated six-month supply)</td>
<td>Nuclear Engineering</td>
<td>Radiation Instrument Development Laboratory, Inc., Melrose Park</td>
<td>$19,193.50</td>
</tr>
<tr>
<td>One transistorized pulse height analyzer system, and two detectors with pre-amplifiers, designed to scan, on a simultaneous basis, random voltage pulses having a wide range of amplitudes and waveforms, and to sort them on an amplitude basis into one of 400 amplitude ranges</td>
<td>Physical Education</td>
<td>Frank J. Zamboni &amp; Co., Paramount, Calif.</td>
<td>$8,328.90</td>
</tr>
<tr>
<td>One ice rink resurfacing machine, rider type, self-propelled, powered by automotive type gasoline engine, designed to be operated by one man to shave the ice, pick up loose snow, wash and squeegee behind the blade; machine to be capable of completely resurfacing a 100 ft. by 200 ft. area in 15 minutes for use in University of Illinois Ice Rink</td>
<td>Forty-one prints each of three films, &quot;Point of View,&quot; Parts I and II, and &quot;Biology Plus&quot; from AB negative, 16mm., sound, black and white movie film, plus required reels and cans (total footage is 117,957)</td>
<td>Fisher Photographic Laboratory, Oak Park</td>
<td>$4,980.81</td>
</tr>
<tr>
<td>Fifteen films, 16 mm., black and white and color</td>
<td>University High School</td>
<td>Walt Disney Films, Educational Film Division, Park Ridge</td>
<td>$2,570.00</td>
</tr>
<tr>
<td></td>
<td>Audio-Visual Aids Service</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Thirty-eight films, 16 mm., miscellaneous, color and black and white

Print and bind 2,000 copies of Problems of Economics and Sociology, by Carl Menger, approximately 256 pages per copy, trim size 6 in. by 9 3/4 in.

Print and bind 25,000 copies of High School Mathematics, Units 1 through 4, Students' Edition, approximately 708 pages per copy, trim size 8 1/2 in. by 11 in.

Print and bind 4,000 copies High School Mathematics, Unit 1, Students' Edition, approximately 164 pages per copy, trim size 8 1/2 in. by 11 in.

Print and bind 35,000 copies of Time Table, second semester, 1962-63, approximately 320 pages per copy, trim size 5 1/2 in. by 8 3/4 in.

Thirty-six memo books, various sizes, 4,016 ring binders, three-ring, various sizes, 1,074 composition notebooks, bound, size 5 in. by 7 in.

132 order books, various sizes, 1,728 notebooks, shorthand, size 5 in. by 8 in.

The above are for Office Supply Storeroom and for the Chicago Medical Center Campus and is an estimated ten-to-twelve-month supply

Steel office furniture with option to purchase small odd lot quantities between scheduled shipments, if needed, at the base bid unit prices plus 6 per cent.

Examination booklets, 8 1/4 in. by 11 in., white, faint ruled, 16 lb., No. 4 sulphite bond, as follows: 100,000 sixteen-page 300,000 eight-page 100,000 four-page

One paper cutter, 42-in. capacity from back gauge to knife, complete with standard accessories, six cutting knives, electric motors and controls less credit for trade-in of one 33-in. capacity paper cutter; the supplier will be responsible for removal of the trade-in cutter and for the installation of the new paper cutter

One duplicator, offset, with maximum copy area of 9 3/4 in. by 13 in., equipped with work organizer, flexible light fixture, jogger, and quick change card magazine

On motion of Mr. Johnston, these purchases were authorized.

THE COMPTROLLER'S REPORT OF CONTRACTS

(13) The Comptroller's report of contracts executed during the period October 1 to 31, 1962.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hoffman-LaRoche, Inc.</td>
<td>Factors influencing the vitamin A nutrition of cattle, sheep, and laboratory animals</td>
<td>$3,000.00</td>
<td>October 5, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project 17-106</td>
<td>Chromosomal abnormalities in mental retardation</td>
<td>19,479.00</td>
<td>July 5, 1962</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project 17-121</td>
<td>Residency training in psychiatry</td>
<td>55,321.00</td>
<td>July 5, 1962</td>
</tr>
<tr>
<td>University of Virginia (Task order under Nonr-3623 (S-6))</td>
<td>Statistical properties of two-phase flow</td>
<td>27,000.00</td>
<td>October 1, 1962</td>
</tr>
</tbody>
</table>

Total
$104,800.00
Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Business</td>
<td>Four keypunches</td>
<td>$288.00 (per year)</td>
<td>September 20, 1962</td>
</tr>
<tr>
<td>Machines Corp.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rohm and Haas Co.</td>
<td>Stress problems for solid propellant</td>
<td>$4,500.00</td>
<td>September 15, 1962</td>
</tr>
<tr>
<td>(under its prime contract</td>
<td>rockets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with United States Army)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Electronic properties of nonmetallic</td>
<td>$3,574.83</td>
<td>August 23, 1962</td>
</tr>
<tr>
<td>AF 18 (600) 662</td>
<td>crystals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Deformation and fracture of crystal-</td>
<td>$9,866.00</td>
<td>September 17, 1962</td>
</tr>
<tr>
<td>AF 33 (616) 8177</td>
<td>line solids under dynamic loading</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Army</td>
<td>Anti-radiation drugs</td>
<td>$19,639.00</td>
<td>August 6, 1962</td>
</tr>
<tr>
<td>DA 49-193-MD-2212</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Atomic</td>
<td>Radioactive chemistry and chemical</td>
<td>$63,961.00</td>
<td>September 26, 1962</td>
</tr>
<tr>
<td>Energy Commission AT (11-1)</td>
<td>kinetics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>691</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Atomic</td>
<td>Elementary particle physics</td>
<td>$70,000.00</td>
<td>October 12, 1962</td>
</tr>
<tr>
<td>Energy Commission AT (11-1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1195</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Atomic</td>
<td>Use charge for portion of Materials</td>
<td>$195,797.00</td>
<td>October 9, 1962</td>
</tr>
<tr>
<td>Energy Commission AT (11-1)</td>
<td>Research Laboratory used in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1198</td>
<td>commission supported research</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Navy</td>
<td>Welding procedures, including pre-</td>
<td>$15,000.00</td>
<td>October 2, 1962</td>
</tr>
<tr>
<td>NBy-24976</td>
<td>heating and stress-relieving</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Navy</td>
<td>Pressure vessel design</td>
<td>$20,000.00</td>
<td>September 24, 1962</td>
</tr>
<tr>
<td>NOb-85112</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Navy</td>
<td>Properties of insulating solids</td>
<td>$24,000.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>Nonr 1834 (12)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Navy</td>
<td>Variety of topics in number theory</td>
<td>$20,000.00</td>
<td>August 15, 1962</td>
</tr>
<tr>
<td>Nonr 1834 (18)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Navy</td>
<td>Mechanism of halophilism in bacteria</td>
<td>$6,000.00</td>
<td>August 8, 1962</td>
</tr>
<tr>
<td>Nonr 1834 (30)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Navy</td>
<td>Dependence of dielectric properties</td>
<td>$30,000.00</td>
<td>August 20, 1962</td>
</tr>
<tr>
<td>Nonr 1834 (38)</td>
<td>on crystal structures, chemical</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>composition, and defect concentration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$482,337.83</td>
<td></td>
</tr>
</tbody>
</table>

Adjustments Made in 1961-62 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. T. Drewitch</td>
<td>Plastering</td>
<td>$79.36</td>
<td>September 20, 1962</td>
</tr>
</tbody>
</table>

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(14) The Comptroller presented his quarterly report to the Board as of September 30, 1962.

This report was received for record, and a copy has been filed with the Secretary of the Board.

INVESTMENT REPORT

Report of the Finance Committee

(15) Mr. Williamson, for the Finance Committee, reported the following changes in investments of trust funds from April 1 through September 30, 1962:
Endowment Pool

Sale
$ 5,000 Chicago, Illinois, Electric Light 3\(\frac{3}{4}\) per cent 1/1/70 $ 5,128.50
3,000 Ashland Oil and Refining SF 3\(\frac{3}{4}\) 9/1/71 2,872.50
5,000 Chicago Park District 3\(\frac{3}{4}\) 11/1/71 5,247.50
5,000 Dallas SD, Texas 3.10 12/1/73 5,078.00
1,000 Rheem Manufacturing SF 3\(\frac{3}{4}\) 8/1/75 846.73
5,000 Adrian SD, Michigan 2\(\frac{3}{4}\) 6/1/81 4,432.50
200 shares Bethlehem Steel common stock 8,241.89
114 shares Borden Company common stock 7,296.61
75 shares Borg Warner common stock 2,985.39
110 shares Iowa-Illinois Gas and Electric common stock 5,409.46
15 shares Northern Illinois Gas Company common stock 933.88
200 shares Pillsbury Company common stock 9,153.87
60 shares Public Service Company of Colorado common stock 5,659.99
134 shares Shell Oil Company common stock 5,029.72
150 shares Union Pacific Railroad common stock 4,618.07
50 shares William Wrigley, Jr., Company common stock 5,979.44

Exchange
$ 4,000 U. S. Treasury bonds 2\(\frac{3}{4}\) per cent 6/15/62 for
4,000 U. S. Treasury certificates 3\(\frac{3}{4}\) 5/15/63.
4,000 U. S. Treasury certificates 3\(\frac{3}{4}\) 5/15/63 for
4,000 U. S. Treasury notes 3\(\frac{3}{4}\) 8/15/67.

Purchase
$28,000 Aluminum Company of America 4\(\frac{3}{4}\) per cent 1/1/82 $ 28,292.68
150 shares Ford Motor Company common stock 14,126.29
400 shares Northern States Power common stock 13,819.37
150 shares Quaker Oats Company common stock 12,359.68
250 shares Standard Oil Company of Indiana common stock 11,662.75

Cole Living Trust
Purchase
$2,000 Spokane SD, Washington 3 per cent 4/1/85-72 $ 1,844.72

Dennis Children
Exchange
$2,000 U. S. Treasury bonds 2\(\frac{3}{4}\) per cent 6/15/62 for
2,000 U. S. Treasury certificates 3\(\frac{3}{4}\) 5/15/63.

Duke
Purchase
$6,000 U. S. Treasury certificates 3\(\frac{3}{4}\) per cent 2/15/63 $ 6,041.25

Matula Oral Biochemistry
Purchase
$1,000 Aluminum Company of America 4\(\frac{3}{4}\) per cent 1/1/82 $ 1,005.00

Merck and Company Lectures
Sale
$1,000 U. S. Treasury notes 4 per cent 5/15/63 $ 1,006.88

Miller
Sale
600 shares Tampa Electric common stock $ 20,947.05
Chicago — City of Chicago Escrow

**Exchange**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Rate</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$178,000</td>
<td>U. S. Treasury notes</td>
<td>3 1/4%</td>
<td>8/15/62</td>
</tr>
<tr>
<td>178,000</td>
<td>U. S. Treasury certificates</td>
<td>3 1/2%</td>
<td>8/15/63</td>
</tr>
</tbody>
</table>

**Report of the Comptroller**

The Comptroller reports the following changes in investments of unexpended plant and current funds, over which he has authority as shown:

### Current Funds
#### Restricted Group (June 20, 1962)

**Exchange**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Rate</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000,000</td>
<td>U. S. Treasury notes</td>
<td>4%</td>
<td>5/15/62</td>
</tr>
<tr>
<td>1,000,000</td>
<td>U. S. Treasury certificates</td>
<td>3 1/4%</td>
<td>5/15/63</td>
</tr>
</tbody>
</table>

**Deposit**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2,000,000</td>
<td>Continental Illinois National Bank special account</td>
<td>$2,000,000 00</td>
</tr>
<tr>
<td>2,000,000</td>
<td>First National Bank of Chicago special account</td>
<td>2,000,000 00</td>
</tr>
<tr>
<td>1,000,000</td>
<td>Harris Trust and Savings Bank special account</td>
<td>1,000,000 00</td>
</tr>
</tbody>
</table>

**Purchase**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$100,000</td>
<td>CIT Financial Corporation notes</td>
<td>1/28/63</td>
<td>$98,116.32</td>
</tr>
<tr>
<td>200,000</td>
<td>General Motors Acceptance Corporation notes</td>
<td>1/28/63</td>
<td>196,232.64</td>
</tr>
<tr>
<td>300,000</td>
<td>General Motors Acceptance Corporation notes</td>
<td>4/16/63</td>
<td>292,687.50</td>
</tr>
<tr>
<td>200,000</td>
<td>Sears, Roebuck Acceptance Corporation notes</td>
<td>1/28/63</td>
<td>196,232.64</td>
</tr>
<tr>
<td>200,000</td>
<td>Sears, Roebuck Acceptance Corporation notes</td>
<td>4/16/63</td>
<td>195,125.00</td>
</tr>
<tr>
<td>1,700,000</td>
<td>U. S. Treasury bills</td>
<td>5/31/62</td>
<td>693,283.06</td>
</tr>
<tr>
<td>2,500,000</td>
<td>U. S. Treasury bills</td>
<td>6/21/62</td>
<td>497,066.67</td>
</tr>
<tr>
<td>700,000</td>
<td>U. S. Treasury bills</td>
<td>6/28/62</td>
<td>697,569.45</td>
</tr>
<tr>
<td>700,000</td>
<td>U. S. Treasury bills</td>
<td>7/19/62</td>
<td>694,620.89</td>
</tr>
<tr>
<td>1,700,000</td>
<td>U. S. Treasury bills</td>
<td>8/2/62</td>
<td>691,265.34</td>
</tr>
<tr>
<td>750,000</td>
<td>U. S. Treasury bills</td>
<td>8/30/62</td>
<td>749,265.00</td>
</tr>
<tr>
<td>1,500,000</td>
<td>U. S. Treasury bills</td>
<td>9/27/62</td>
<td>1,498,926.67</td>
</tr>
<tr>
<td>600,000</td>
<td>U. S. Treasury bills</td>
<td>10/15/62</td>
<td>598,873.33</td>
</tr>
<tr>
<td>1,500,000</td>
<td>U. S. Treasury bills</td>
<td>11/1/62</td>
<td>1,495,198.33</td>
</tr>
<tr>
<td>1,000,000</td>
<td>U. S. Treasury certificates</td>
<td>3 1/2%</td>
<td>8/15/62</td>
</tr>
</tbody>
</table>

### Construction Funds

**Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)**

**Purchase**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$100,000</td>
<td>U. S. Treasury bills</td>
<td>8/9/62</td>
<td>$99,313.00</td>
</tr>
</tbody>
</table>

**Housing Revenue Bonds of 1958 (December 17, 1958, and March 12, 1959)**

**Purchase**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$9,000</td>
<td>U. S. Treasury bills</td>
<td>6/21/62</td>
<td>8,963.88</td>
</tr>
<tr>
<td>9,000</td>
<td>U. S. Treasury bills</td>
<td>7/15/62</td>
<td>8,987.08</td>
</tr>
<tr>
<td>17,000</td>
<td>U. S. Treasury bills</td>
<td>8/2/62</td>
<td>16,876.90</td>
</tr>
<tr>
<td>10,000</td>
<td>U. S. Treasury bills</td>
<td>8/23/62</td>
<td>9,976.72</td>
</tr>
<tr>
<td>10,000</td>
<td>U. S. Treasury bills</td>
<td>10/4/62</td>
<td>9,956.57</td>
</tr>
<tr>
<td>10,000</td>
<td>U. S. Treasury bills</td>
<td>10/15/62</td>
<td>9,981.94</td>
</tr>
<tr>
<td>4,000</td>
<td>U. S. Treasury bills</td>
<td>10/18/62</td>
<td>3,978.51</td>
</tr>
</tbody>
</table>

**Graduate Housing (June 23, 1959)**

**Purchase**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$12,000</td>
<td>U. S. Treasury bills</td>
<td>6/28/62</td>
<td>$11,943.72</td>
</tr>
</tbody>
</table>
Assembly Hall (June 23, 1959, and March 17, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td>$390 000 U. S. Treasury bills 9/13/62</td>
</tr>
<tr>
<td>309 000 U. S. Treasury bills 10/15/62</td>
</tr>
<tr>
<td>318 000 U. S. Treasury bills 11/15/62</td>
</tr>
<tr>
<td>380 000 U. S. Treasury bills 12/15/62</td>
</tr>
<tr>
<td>834 000 U. S. Treasury bills 1/15/63</td>
</tr>
<tr>
<td>260 000 U. S. Treasury bills 2/14/63</td>
</tr>
</tbody>
</table>

Peabody Drive (October 21, 1959)

<table>
<thead>
<tr>
<th>Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 60 000 U. S. Treasury bills 4/15/62</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td>$173 000 U. S. Treasury bills 7/15/62</td>
</tr>
<tr>
<td>320 000 U. S. Treasury bills 8/16/62</td>
</tr>
<tr>
<td>310 000 U. S. Treasury bills 9/20/62</td>
</tr>
<tr>
<td>50 000 U. S. Treasury bills 10/15/62</td>
</tr>
<tr>
<td>248 000 U. S. Treasury bills 11/15/62</td>
</tr>
</tbody>
</table>

Orchard Downs (June 14, 1960)

<table>
<thead>
<tr>
<th>Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>$120 000 U. S. Treasury notes 3 1/4 per cent 8/15/62</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 75 000 U. S. Treasury bills 5/10/62</td>
</tr>
<tr>
<td>35 000 U. S. Treasury bills 6/17/62</td>
</tr>
<tr>
<td>40 000 U. S. Treasury bills 6/22/62</td>
</tr>
<tr>
<td>40 000 U. S. Treasury bills 7/15/62</td>
</tr>
<tr>
<td>20 000 U. S. Treasury bills 7/19/62</td>
</tr>
<tr>
<td>27 000 U. S. Treasury bills 9/13/62</td>
</tr>
<tr>
<td>255 000 U. S. Treasury bills 9/20/62</td>
</tr>
<tr>
<td>280 000 U. S. Treasury bills 10/25/62</td>
</tr>
</tbody>
</table>

Illini Union and Health Center (December 21, 1960)

<table>
<thead>
<tr>
<th>Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2 571 000 U. S. Treasury certificates 3 1/4 per cent 5/15/63</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exchange</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 811 000 U. S. Treasury notes 4 per cent 5/15/62</td>
</tr>
<tr>
<td>2 571 000 U. S. Treasury certificates 3 1/4 per cent 5/15/63.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td>$310 000 U. S. Treasury bills 6/14/62</td>
</tr>
<tr>
<td>610 000 U. S. Treasury bills 9/13/62</td>
</tr>
<tr>
<td>340 000 U. S. Treasury bills 10/15/62</td>
</tr>
<tr>
<td>840 000 U. S. Treasury bills 11/15/62</td>
</tr>
<tr>
<td>285 000 U. S. Treasury bills 11/29/62</td>
</tr>
<tr>
<td>194 000 U. S. Treasury bills 12/6/62</td>
</tr>
<tr>
<td>162 000 U. S. Treasury bills 12/13/62</td>
</tr>
<tr>
<td>290 000 U. S. Treasury bills 1/15/63</td>
</tr>
<tr>
<td>365 000 U. S. Treasury bills 2/14/63</td>
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</tbody>
</table>

Student Services (May 17, 1961)

<table>
<thead>
<tr>
<th>Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 5 000 U. S. Treasury bonds 2 3/4 per cent 6/15/62</td>
</tr>
<tr>
<td>40 000 U. S. Treasury bills 9/13/62</td>
</tr>
<tr>
<td>235 000 U. S. Treasury certificates 3 1/4 per cent 5/15/63</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exchange</th>
</tr>
</thead>
<tbody>
<tr>
<td>160 000 U. S. Treasury certificates 3 per cent 5/15/63.</td>
</tr>
<tr>
<td>235 000 U. S. Treasury certificates 3 1/4 per cent 5/15/63.</td>
</tr>
<tr>
<td>Date</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>4/15/62</td>
</tr>
<tr>
<td>4/15/62</td>
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<tr>
<td>10/15/62</td>
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<tr>
<td>11/15/62</td>
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<td>5/15/63</td>
</tr>
<tr>
<td>8/15/64</td>
</tr>
<tr>
<td>11/15/63</td>
</tr>
</tbody>
</table>

Sinking Funds

Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Quantity</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/15/62</td>
<td>U. S. Treasury bonds</td>
<td>194,000</td>
<td>33,789.06</td>
</tr>
<tr>
<td>2/15/66</td>
<td>U. S. Treasury notes</td>
<td>194,000</td>
<td>33,789.06</td>
</tr>
</tbody>
</table>

Dormitory Revenue Bonds of 1956 (March 23, 1956)

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Quantity</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/15/63</td>
<td>U. S. Treasury bonds</td>
<td>34,000</td>
<td>33,789.06</td>
</tr>
<tr>
<td>9/21/62</td>
<td>U. S. Treasury bills</td>
<td>46,000</td>
<td>45,900.18</td>
</tr>
<tr>
<td>2/15/64</td>
<td>U. S. Treasury bonds</td>
<td>5,000</td>
<td>5,477.66</td>
</tr>
</tbody>
</table>

Women's Residence Halls of 1956 (September 18, 1956)

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Quantity</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/21/62</td>
<td>U. S. Treasury bills</td>
<td>92,000</td>
<td>91,800.36</td>
</tr>
<tr>
<td>8/15/63</td>
<td>U. S. Treasury bonds</td>
<td>4,000</td>
<td>3,981.25</td>
</tr>
<tr>
<td>2/15/64</td>
<td>U. S. Treasury bonds</td>
<td>36,000</td>
<td>35,853.75</td>
</tr>
<tr>
<td>8/15/64</td>
<td>U. S. Treasury notes</td>
<td>45,000</td>
<td>46,392.19</td>
</tr>
</tbody>
</table>
Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

Purchase

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$120,000</td>
<td>U. S. Treasury bills</td>
<td>9/21/62</td>
<td>$119,734.43</td>
</tr>
<tr>
<td>57,000</td>
<td>U. S. Treasury certificates</td>
<td>2/15/63</td>
<td>57,148.60</td>
</tr>
<tr>
<td>118,000</td>
<td>U. S. Treasury bonds 2 1/2%</td>
<td>8/15/63</td>
<td>117,225.63</td>
</tr>
<tr>
<td>30,000</td>
<td>U. S. Treasury bonds 3%</td>
<td>2/15/64</td>
<td>29,878.13</td>
</tr>
</tbody>
</table>


Sale

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$91,000</td>
<td>U. S. Treasury bills</td>
<td>2/7/63</td>
<td>$90,031.76</td>
</tr>
</tbody>
</table>

Purchase

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$454,000</td>
<td>U. S. Treasury bills</td>
<td>9/20/62</td>
<td>$452,886.72</td>
</tr>
<tr>
<td>39,000</td>
<td>U. S. Treasury bills</td>
<td>9/21/62</td>
<td>38,757.81</td>
</tr>
<tr>
<td>518,000</td>
<td>U. S. Treasury bills</td>
<td>2/7/63</td>
<td>510,808.44</td>
</tr>
<tr>
<td>39,000</td>
<td>U. S. Treasury notes 3 1/4%</td>
<td>2/15/63</td>
<td>39,060.94</td>
</tr>
<tr>
<td>35,500</td>
<td>U. S. Treasury bonds 2 3/4%</td>
<td>8/15/63</td>
<td>35,267.03</td>
</tr>
</tbody>
</table>

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$24,000</td>
<td>U. S. Treasury bills</td>
<td>9/21/62</td>
<td>$23,723.17</td>
</tr>
</tbody>
</table>

Illini Union and Health Center (December 21, 1960)

Purchase

<table>
<thead>
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Student Services (May 17, 1961)

Purchase

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On motion of Mr. Williamson, the Committee's actions were confirmed, and the report was received for record.

EXTENSION OF CONTRACT WITH THE ATOMIC ENERGY COMMISSION

(16) On April 1, 1961, a contract was entered into with the Atomic Energy Commission for a research program, "Studies of Pattern Recognition and Data Handling Problems Arising in the Analysis of Bubble Chamber Photographs of High Energy Particle Events." The research work has been conducted in the Digital Computer Laboratory. The original contract was for an eight-month period, and provided payments to the University not to exceed $99,743. Subsequently, the contract was amended to provide additional funds of $223,034 for continuation of the research program through November 30, 1962.

A proposal has now been prepared requesting a total of $978,109 of additional funds for a two-year period beginning December 1, 1962. The amended contract will provide for the purchase of equipment at an estimated total cost of $558,940, which is required for assembling auxiliary units for the Digital Computer.

This proposal has been approved by all recommending officers in the Digital Computer Laboratory, the Graduate College, and by the Vice-President and Comptroller. Because of the amount of funds being requested, including funds for capital expenditures, approval must also be secured from the Illinois Board of Higher Education.

On motion of Mr. Swain, this proposal was authorized.

ASSOCIATION OF GOVERNING BOARDS OF STATE UNIVERSITIES AND ALLIED INSTITUTIONS

Mrs. Frances B. Watkins and Mr. A. J. Janata reported informally on the annual meeting of the Association of Governing Boards of State Universities and Allied Institutions at the University of Michigan, October 9-13, 1962, which they attended as official delegates of the Board of Trustees of the University of Illinois.
REPORT ON STUDENT HOUSING
Mr. V. L. Kretschmer, Director of Auxiliary Services, reported on current housing capacities for students at Urbana-Champaign in relation to the enrollment for the first semester of 1962-63. A copy of his report has been filed with the Secretary for record.

FIXED-BASE OPERATION AT UNIVERSITY OF ILLINOIS-WILLARD AIRPORT
President Clement reported he has received a request from Astro, Inc. — Aeronautical Sales, Training, and Research Organization— of Champaign, for a hearing on its application to the University for establishment of a fixed-base operation at the University of Illinois-Willard Airport. Mr. Clement stated that he will refer this request to the Committee on Buildings and Grounds for a hearing.

INSPECTION OF NEW BUILDINGS
The Secretary reported that Mrs. Watkins, Mr. Dilliard, and Mr. Williamson made an inspection on the afternoon of November 8 of three new buildings recently completed on the Urbana-Champaign campus: Student Services Building, Institute of Labor and Industrial Relations Building, and the Health Services Addition to McKinley Hospital.

DEGREES CONFERRED
The Secretary presented for record the list of degrees conferred at Urbana, Illinois, as of October 15, 1962, on recommendation of the Urbana-Champaign Senate, and requested authority to include them in the minutes of October 17, 1962.

On motion of Mr. Dilliard, these degrees were conferred, as recommended, and authority was given as requested.

SECRETARY’S REPORTS
The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations; leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT
(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ABBOD, LOUIS M., Assistant in Pharmacognosy and Pharmacology (Pharmacy), nine months from September 16, 1962, $4,000 (10-12-62).

ALBRIGHT, MRS. LORRAINE H., Assistant in Home Economics (C), 3/4 time, $3,675, and Counselor in the Student Counseling Service, 1/4 time, $1,225, nine months from September 16, 1962 (10-12-62).

ALVAREZ, JULIAN, Research Associate in Biological Chemistry (Medicine), one year from September 1, 1962, $7,200, supersedes (10-12-62).


AVIZIEKIS, ALDONA, Research Assistant in Microbiology (Medicine), eleven months from October 1, 1962, $5,200 a year (10-12-62).

BADGER, VIRGINIA M., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).

BAKER, C. M. ANN, Research Associate in Physiology and Biophysics, 1/2 time, one year from September 1, 1962, $3,900 (10-19-62).

BAKER, FOREST N., Research Associate in Dairy Science (S), one year from September 1, 1962, $6,000 (10-12-62).

BARCELO, RAYMOND, Research Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (9-27-62).
BARKEY, MRS. CLARE E., Assistant in Verbal Communication (Division of General Studies), nine months from September 16, 1962, $4,000 (10-12-62).

BARRY, DENNIS, Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), eleven months from October 1, 1962, $7,300 a year, supersedes (10-1-62).

BESS, LEON, Assistant Professor of Physics (Chicago Undergraduate Division), academic year beginning September 1, 1962, $8,000, supersedes (10-12-62).

BEZKOROVAINY, ANATOLY, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1962, without salary (10-3-62).

BORASKY, RUBIN, Electron Micrographer in the School of Life Sciences, one year from September 1, 1962, $10,200, supersedes (10-12-62).

BROUSSARD, LOUIS, Instructor in English (Chicago Undergraduate Division), academic year beginning September 1, 1962, $6,600 (10-12-62).

BRYANT, ROBERT E., Instructor in Dentistry, 3/5 time, one year from September 1, 1962, $4,650, supersedes (10-2-62).

BUNGERT, WILLIAM C., Research Associate in Education (University High School), academic year beginning September 1, 1962, $6,600 (10-12-62).

CALENOFF, LEONID, Instructor in Radiology (Medicine), 3/4 time, eleven months from October 1, 1962, $7,200 a year, supersedes (10-1-62).

CAPORAL, MARY L., Program Supervisor, Women's Intramurals (College of Physical Education), 1/2 time, nine months from September 16, 1962, $2,000 (10-12-62).

CHAI, KWING-SEUNG, Research Associate in Chemistry, October 15, 1962-August 31, 1963, $6,000 a year (10-16-62).

CHENOWETH, MISS. LYNN I. W., Assistant in Nursing, eleven months from October 1, 1962, $5,500 a year (10-23-62).

CHIU, REN-JONG, Research Associate in Botany, October 16, 1962-August 31, 1963, $7,000 a year (10-12-62).

CHURCHICH, JORGE E., Research Associate in Chemistry, one year from September 1, 1962, $8,070, supersedes (10-12-62).

CLARK, MRS. ARDATH M., Assistant in English, nine months from September 16, 1962, $4,000 (10-12-62).

CLARK, JOE M., JR., Assistant Professor of Biological Chemistry, academic year beginning September 1, 1962, $8,000 (10-12-62).

COX, GEORGE, Research Associate in Biological Chemistry (Medicine), September 10, 1962-August 31, 1963, $7,500 a year (10-12-62).


DEANESLY, MARGARET, Assistant in Medicine (Medicine), one year from July 1, 1962, without salary (10-16-62).

DEJONG, GEORGE A., Clinical Associate in Medicine (Medicine), one year from September 1, 1962, without salary (10-3-62).

DEN OUDEN, GERRIT, Research Associate in Physics (C and S), eleven months from October 1, 1962, $7,500 a year, supersedes (10-12-62).

DEPEYSTER, FREDERIC A., Clinical Associate Professor of Surgery (Medicine), indefinite tenure from September 1, 1962, without salary (10-12-62).

DIMMITT, DONALD P., Instructor in Art (Chicago Undergraduate Division), academic year beginning September 1, 1962, $6,000 (10-12-62).

DOUGHTY, CLYDE, Assistant Professor of Biological Chemistry (Medicine), September 15, 1962-August 31, 1963, $10,700 a year (10-12-62).

DUTTA, TUSHAR RANJAN, Visiting Instructor in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, $5,800 (10-12-62).

ECHOLS, HARVEY L., Research Assistant in Preventive Medicine (Medicine), eleven months from October 1, 1962, $7,135 a year, supersedes (10-12-62).

ECKNER, FREDRICH A. O., Lecturer in Pathology with rank of Clinical Instructor (Medicine), one year from September 1, 1962, without salary (8-8-62).

ERICKSON, DUANE E., Assistant Professor of Farm Management (Agricultural Economics) (E and S), eleven months from October 1, 1962, $9,000 a year (10-12-62).

ERLENBORN, JAMES W., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (10-1-62).
ERWIN, JOSEPH C., Assistant Professor of Pathology (Medicine), ½ time, one year from September 1, 1962, $9,000, supersedes nonsalaried appointment (10-12-62).

EVANSON, LEONARD, Instructor in Applied Materia Medica and Therapeutics (Dentistry), ½ time, September 17, 1962-August 31, 1963, $3,750 a year (10-12-62).

FAGELSON, DAVID L., Clinical Assistant in Otolaryngology (Medicine), one year from September 1, 1962, without salary (8-8-62).

FASHING, EDWARD M., Assistant in Chemistry (Chicago Undergraduate Division), nine months from September 16, 1962, $4,800 (10-12-62).

FETJAR, JAMES L., Assistant in Education, ½ time, and Counselor, University Council on Teacher Education, Teacher Training Counsel, ½ time, nine months from September 16, 1962, $4,900, supersedes (10-19-62).

FOISON, ANGELA T., Consultant in Psychology, with rank of Assistant Professor, one year from September 1, 1962, without salary (10-23-62).

FOOTE, BEVERLY D., Research Associate in Chemistry, time, academic year beginning September 1, 1962, $3,600 (10-26-62).

FRIEND, MRS. BEVERLY, Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, $2,600 (10-15-62).

FULLER, JOHN B., Professor of Clinical Pathology, at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/te-2, two years from August 16, 1962, $2,000 a month from August 16-31, 1962 and $2,050 a month from September 1, 1962-August 15, 1964; and Professor of Pathology and Director of Hospital Laboratories (Medicine), indefinite tenure from August 16, 1964, $20,500 a year, supersedes (10-12-62).

GALLAGHER, PATRICK J., Research Assistant in English, nine months from September 16, 1962, $4,000 (10-12-62).

GAZET, JOHN C., Clinical Instructor in Surgery (Medicine), 45/100 time, eleven months from October 1, 1962, $3,000 a year (10-23-62).

GDALMAN, LOUIS, Clinical Instructor in Pharmacy (Pharmacy), one year from September 1, 1962, without salary (10-3-62).

GRIMM, ARTHUR, Assistant Professor of Physiology (Medicine), ½ time, and of Histology (Dentistry), ½ time, one year from September 1, 1962, $9,500, supersedes (10-24-62).

GYORT, GUSTAVE, Clinical Instructor in Pathology (Medicine), one year from September 1, 1962, without salary (9-14-62).

HERZ, JANICE R. G., Clinical Instructor in Pediatrics (Medicine), one year from September 1, 1962, without salary (8-29-62).

HOCHHAUSER, MARTIN, Assistant Professor of Radiology (Medicine), 95/100 time, eleven months from October 1, 1962, $13,775 a year, supersedes (10-1-62).

HOSEK, JOSEPH J., Instructor in Pathology (Medicine) eleven months from October 1, 1962, $9,600 a year, supersedes nonsalaried appointment (10-12-62).

JAMES, EMORY, JR., Research Associate in Biological Chemistry (Medicine), one year from September 1, 1962, $7,800 (10-12-62).

KANN, SHELDON M., Instructor in Medicine (Medicine), one year from July 1, 1962, without salary (8-3-62).

KAMINSKI, EDWARD F., Instructor in Prosthodontics, ½ time, and in Fixed Partial Prosthodontics, ½ time (Dentistry), September 17, 1962-August 31, 1963, $7,500 a year (10-12-62).

KELLY, CLYDE B., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (9-27-62).

KIM, W. S., Research Associate in Biological Chemistry (Medicine), ten months from November 1, 1962, $7,500 a year (10-12-62).

KOLB, MRS. DOROTHY, Assistant in German, ½ time, $296.44 a month (10-22-62), and in English, ½ time, $148.22 a month (10-12-62), September 16, 1962-January 31, 1963, superseded.

LAGOUDES, BASIL E., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, $4,200 (10-26-62).

LA VELLE, FAITH W., Research Associate in Anatomy (Medicine), ½ time, academic year beginning September 1, 1962, $3,200 (10-24-62).
BOARD OF TRUSTEES [November 9

LEEF, GERALD S., Instructor in Radiology (Medicine), one year from September 1, 1962, without salary (8-3-62).
LINDLEY, DANIEL A., Instructor in Education (University High School), academic year beginning September 1, 1962, $6,500, supersedes (10-12-62).
LISTON, WILLIAM T., Assistant in English, nine months from September 16, 1962, $4,200, supersedes (10-12-62).
LOFTUS, BEVERLY G., Assistant Editor in the Graduate College, October 16, 1962-August 31, 1963, $6,000 a year (10-16-62).
MACKLER, HYMAN, Research Associate in Preventive Medicine (Medicine), one year from September 1, 1962, $10,500 (10-24-62).
MADRILEJO, NORA G., Assistant in Anesthesiology (Department of Surgery) (Medicine), one year from July 1, 1962, without salary (8-29-62).
MALTER, RICHARD F., Psychometrist and Assistant in Psychology (Chicago Undergraduate Division), one year from September 1, 1962, $5,400, supersedes (10-12-62).
MARKOVIC, MIHAILO A., Research Associate in Anatomy (Medicine), eleven months from October 1, 1962, $6,600 a year (10-12-62).
MARSHALL, WILLIAM, Clinical Assistant Professor of Obstetrics and Gynecology (Medicine), one year from September 1, 1962, without salary (10-3-62).
MATZ, DETLEE, Research Associate in Physics (C), eleven months from October 1, 1962, $7,500 a year, supersedes (10-12-62).
McELDOWNEY, HAROLD, Professor of Architecture and Head of the Department, on indefinite tenure, ½ time, and Assistant Dean of the College of Fine and Applied Arts, one year, ½ time, to render service during each academic year from September 1, 1962 (Chicago Undergraduate Division), $12,650 a year, supersedes (10-12-62).
MCFATE, PATRICIA A., Instructor in Humanities (Chicago Undergraduate Division), academic year beginning September 1, 1962, $5,200, supersedes (10-12-62).
MERRILL, MARY E., Assistant in English (Division of English for Foreign Students), nine months from September 16, 1962, $4,000 (10-12-62).
MONTGOMERY, CLARK A., Instructor in Medicine (Medicine), 4½ time, one year from September 1, 1962, $6,135, supersedes (10-23-62).
MURRAY, Mary E., Assistant in English (Division of English for Foreign Students), nine months from September 16, 1962, $4,000 (10-12-62).
MERRILL, MARY E., Assistant in English (Division of English for Foreign Students), nine months from September 16, 1962, $4,000 (10-12-62).
MONTGOMERY, CLARK A., Instructor in Medicine (Medicine), 4½ time, one year from September 1, 1962, $6,135, supersedes (10-23-62).
NAGATA, TETSUJI, Research Assistant in Physiology and Biophysics, one year from October 1, 1962, $5,400 (10-23-62).
NEWMAN, WILLIAM H., Clinical Instructor in Orthopaedic Surgery (Medicine), one year from September 1, 1962, without salary (10-12-62).
NORSSEN, JEANETTE, Research Assistant in Preventive Medicine (Medicine), one year from September 1, 1962, $6,200 (10-12-62).
NOVAK, RICHARD F., Clinical Instructor in Pathology (Medicine), one year from September 1, 1962, without salary (8-29-62).
PARKS, JOE M., Instructor in Chemistry, ½ time, to render service during the first semester of the academic year, September 16, 1962-January 31, 1963, $1,800; this is in addition to his appointment as United States Public Health Postdoctoral Fellow in Chemistry (10-12-62).
PATTERSON, VIRGINIA N., Assistant Professor of Radiology (Medicine), 95/100 time, eleven months from October 1, 1962, $13,775 a year, supersedes (10-1-62).
PAUL, M., Research Associate in the Digital Computer Laboratory, four months from October 1, 1962, $3,200 (10-12-62).

PIetrokovski, Jaime, Research Assistant in Pedodontics (Dentistry), one year from September 1, 1962, $6,000 (10-12-62).

PLAGGE, James C., Professor of Anatomy (Medicine), 4/10 time, $6,400 a year, and Coordinator, University of Illinois Chiangmai Project (AID Thailand) No. 2-46-33-01-3-16, 6/10 time, $9,600, one year from September 1, 1962; and Professor of Anatomy (Medicine), on indefinite tenure from September 1, 1963, $16,000 a year, supersedes (10-12-62).

Pulliam, William E., Assistant in Education (University High School), nine months from September 16, 1962, $5,400, supersedes (10-12-62).

Reed, Mrs. Barbara L., Lecturer in Recreation and Municipal Park Administration (College of Physical Education), to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, without salary, supersedes nonacademic appointment (10-12-62).

Regier, Charlotte L., Instructor in Medical Social Work (Medicine), eleven months from October 1, 1962, $7,000 a year (10-12-62).

Reynolds, Harry A., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1962, $9,000 (10-12-62).

Richartz, Leon E., Assistant Professor in the Graduate School of Business Administration (College of Commerce and Business Administration), ten months from November 1, 1962, to render service during the academic year, $8,000 a year, supersedes (10-19-62).

Rothman, Robert J., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).

Russel, Marjorie, Assistant in Nursing, eleven months from October 1, 1962, $5,800 a year (10-23-62).

Russel, Donald R., Associate Professor of Pathology, on indefinite tenure, and Acting Director of Hospital Laboratories (Medicine), one year from September 1, 1962, $18,000 a year, supersedes (10-12-62).

Sankaran, Balu, Research Associate in Orthopaedic Surgery (Medicine), nine months from July 1, 1962, without salary (9-4-62).


Selander, Richard B., Associate Professor of Entomology, August 16-31, 1962, $455.55; this is in addition to his previous appointment (10-12-62).

Sevastikoglou, John A., Research Associate in Orthopaedic Surgery (Medicine), eleven months from October 1, 1962, without salary (10-12-62).

Shapiro, Jules S., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).

Shekelle, Richard B., Research Associate in Psychiatry (Medicine), eleven months from October 1, 1962, $9,500 a year, supersedes (10-12-62).

Sherman, Marilyn J., Assistant in Education (University High School), nine months from September 16, 1962, $5,400 (10-12-62).


Sinha, Ramesh C., Research Associate in Botany, one year from September 1, 1962, $7,000, supersedes (10-12-62).

Smith, George H., Jr., Instructor in Social Sciences (Chicago Undergraduate Division), 9/10 time, academic year beginning September 1, 1962, $5,400, supersedes (10-12-62).

Spencer, Dorie D., Research Assistant in Botany, one year from September 1, 1962, $4,900 (10-23-62).

Staetsak, Thomas J., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (8-29-62).

Stearns, Mrs. Carole M., Instructor in Chemistry (Chicago Undergraduate Division), academic year beginning September 1, 1962, $6,600 (10-12-62).

Strehl, Francis W., Clinical Assistant Professor of Surgery (Medicine), 3/5 time, one year from September 1, 1962, $3,300 (10-2-62).
STRIMLING, MURTON D., Instructor in Radiology (Medicine), one year from September 1, 1962, without salary (8-3-62).

SULLIVAN, FRANK V., Instructor in Education (University High School), ½ time, and in Industrial Education, ½ time, academic year beginning September 1, 1962, $5,200 (10-15-62).

SWANSON, DAVID W., Clinical Instructor in Psychiatry (Medicine), August 1, 1962-August 31, 1963, without salary (8-29-62).


TAYLOR, RICHARD P., Assistant in Radiology (Medicine), one year from September 1, 1962, without salary (8-8-62).

TITCHENER, EDWARD B., Assistant Professor of Biological Chemistry (Medicine), 8/10 time, and Assistant Coordinator under Contract No. AID/fe-2 (Thailand Project), 2/10 time, one year from September 1, 1962, $10,950, supersedes (10-12-62).

TOLEDO, FERDINAND, Research Associate in Electrical Engineering (S), eleven months from October 1, 1962, $7,200 a year, supersedes (10-10-62).

TRAVA, MARIE F., Assistant in the College of Nursing, one year from September 1, 1962, $6,000 (10-12-62).

TREVINO, LUIS, Assistant Professor of Pediatrics (Medicine) and in the Division of Services for Crippled Children, 7/10 time, one year from September 1, 1962, $6,300 (10-12-62).

TRUPIN, JOEL S., Assistant in Dairy Science (C and S), one year from September 1, 1962, $5,200 (10-12-62).

TURCK, MARVIN, Assistant in Medicine (Medicine), one year from July 1, 1962, without salary (8-29-62).

TYROLER, ROBERT L., Research Associate in Psychiatry (Medicine), ½ time, one year from September 1, 1962, $4,000 (10-12-62).

VANNUSYS, JOHN D., Clinical Assistant in Otolaryngology (Medicine), one year from September 1, 1962, without salary (8-8-62).

VAUGHAN, H. E., Professor of Mathematics, academic year beginning September 1, 1962, $14,000; and from September 1, 1963, on indefinite tenure, to render service during each academic year, $12,500 a year, supersedes (10-24-62).

WALLEY, E., Associate Professor of Art, on indefinite tenure, and Acting JOHN Head of the Department (Chicago Undergraduate Division), one year, to render service during each academic year, beginning September 1, 1962, $10,300 a year, supersedes (10-12-62).

WEI, LUN-SHIN, Research Associate in Food Technology (S), one year from September 1, 1962, $7,500, supersedes (9-7-62).

WIECZOREK, CASIMIER, Assistant Chief Pharmacist in Hospital Pharmacy (Pharmacy), eleven months from October 1, 1962, $7,700 a year, supersedes 10-2-62).

WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory, four months from October 1, 1962, $3,200 (10-12-62).

WILLIS, EDWARD, Research Assistant in Plant Pathology (S), eleven months from October 1, 1962, $5,600 a year, supersedes (10-12-62).

WILSON, ROBERT G., Registered Pharmacist in Hospital Pharmacy (Pharmacy), ½ time, two months from October 1, 1962, $308.34 a month, supersedes 10-12-62).

WINZLER, RICHARD J., Professor of Biological Chemistry, at the Faculty of Medicine, Chiengmai Hospital, Chiengmai, Thailand, under Contract AID/fe-2, three months from August 16, 1962, $2,100 a month from August 16-31, 1962, and $2,175 a month September 1-November 15, 1962; and Professor of Biological Chemistry (Medicine), on indefinite tenure from November 16, 1962, $21,750 a year, supersedes (10-12-62).

WYATT, MARIE G., Assistant in Education (University High School), nine months from September 16, 1962, $3,400, supersedes (10-12-62).

GRADUATE FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ADAM, WILLIAM S., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, $2,700 (9-19-62).
ALLERHAND, ADAM, Postdoctorate Fellow in Chemistry, one year from December 1, 1962, $5,500, supersedes (10-16-62).

ARONSON, NEIL, Part-Time Medical Student Research Fellow in Pediatrics, nine months from September 16, 1962, $600 (9-27-62).

ATKINS, GLADYS, United States Public Health Service Fellow in Physiology, one year from September 16, 1962, $2,000 (10-1-62).

BLAIN, CHARLOTTE M., Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, $600 (9-27-62).


CARBON, MICHAEL, Part-Time Medical Student Research Fellow in Medicine, nine months from September 16, 1962, $600 (9-27-62).

CARLSON, RUSSELL, Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, $600 (9-27-62).

CAVE, MAC DONALD, United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, $2,340 (9-6-62).


DIAB, ISHAN M., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, $2,700 (9-21-62).


EISENBERG, SARA, United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1962, $2,520 (9-27-62).

ESTOLAS, JOSEFINA V., Letitia Walsh Fellow in Home Economics Education, nine months from September 16, 1962, $2,000 (10-5-62).

FALK, BARBARA M., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, $2,040 (9-17-62).

FISCHINGER, Peter, Part-Time Medical Student Research Fellow in Microbiology, nine months from September 16, 1962, $600 (9-26-62).


FRIEDMAN, THEODORE A., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, $600 (9-27-62).

GANTT, RALPH R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, $1,800 (9-26-62).

GOLDMAN, BARRY, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, $600 (9-27-62).

GOLDFRANK, HARRY J., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, $600 (10-10-62).


HELM, FREDERIC C., Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, $600 (9-28-62).


JASINSKI, DONALD, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, $600 (9-26-62).

KANT, KENNETH J., United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, nine months from September 16, 1962, $1,999.44 (10-9-62).

KAUFFMAN, FREDERICK, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, $2,900 (8-10-62).


LEE, JOSEPH, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, $600 (10-10-62).

LEVIN, ALAN S., Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, $600 (9-26-62).

LIPSON, LEON, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, $600 (9-26-62).

LOTT, JAMES L., Engineering Faculty Development Research Fellow in Civil Engineering, nine months from September 16, 1962, $1,285 (9-12-62).

MANN, WILLIAM S., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, $2,700 (8-27-62).

McCLoud, Mrs. Merline D., National Science Foundation Institute Fellow in Mathematics, nine months from September 16, 1962, $1,000 (9-20-62).


NOZU, KEICHI, Postdoctoral Fellow (Trainee) in Microbiology, two months from November 1, 1962, $358.33 a month (10-12-62).

OSMANSKI, C. PAUL, United States Public Health Service Fellow (Trainee) in Dentistry, ten months from September 1, 1962, $4,583.30 (9-12-62).

PADIS, JOE M., United States Public Health Service Postdoctoral Fellow in Chemistry, one year from September 1, 1962, $7,000; this is in addition to his appointment as Instructor in Chemistry on one-half time (10-12-62).

PREVIC, EDWARD, United States Public Health Service Fellow in Biochemistry, one year from September 1, 1962, $3,700 (9-25-62).


RHODES, MITCHELL, Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, $600 (9-27-62).

ROSE, ROGER A., Part-Time Medical Student Research Fellow in Pathology, nine months from September 16, 1962, $600 (9-26-62).


SAMUELS, ARNOLD, Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, $600 (9-27-62).

SCHOLAR, ERIC M., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, $2,400 (8-10-62).

SILVERGLADE, LEE B., United States Public Health Service Fellow (Trainee) in Oral Pathology, ten months from September 1, 1962, $5,416.67 (9-19-62).

SLOAN, ERNEST D., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, $600 (9-26-62).

SMOLER, JOSE, United States Public Health Service Fellow (Trainee) in Otolaryngology, one year from July 1, 1962, $5,000 (7-30-62).

SNYDER, ROBERT, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from November 1, 1962, $6,000 (10-3-62).

SWIATEK, KENNETH, United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, $1,800, supersedes (9-26-62).

TERRY, ROBERT, Part-Time Medical Student Research Fellow in Preventive Medicine, nine months from September 16, 1962, $600 (9-27-62).

THAYER, CHARLES C., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, $2,200 (9-18-62).

VERETTE, RALPH M., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, $1,500, and two months from June 16, 1963, $375, supersedes (10-16-62).
VICTOR, THOMAS, Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, $600 (9-26-62).


WALSH, PATRICIA J., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, $1,800 (9-26-62).

WEBER, DENNIS F., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry, ten months from September 1, 1962, $5,416.70 (9-12-62).


ZARYCKY, OKSANA M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, $1,800 (9-26-62).

ZIELINSKI, MIECZYSŁAW, Postdoctoral Fellow in Chemistry, one year from October 16, 1962, $6,500 (10-12-62).

RESIGNATIONS

BISWAS, CHITRA S., United States Public Health Service Fellow (Trainee) in Animal Science — resignation effective October 1, 1962.

BLUMENTHAL, JEROME S., Assistant in English (Chicago Undergraduate Division) — resignation effective September 16, 1962.

CROW, SAMUEL E., Extension Specialist in Firemanship Training (Division of University Extension) — resignation effective October 6, 1962.

FALK, BARBARA M., Research Assistant in Preventive Medicine (Medicine) — resignation effective September 21, 1962.

FITCH, BRIAN T., Instructor in French — resignation effective September 1, 1962.

GERBER, QUENTIN N., Instructor in Accountancy — resignation effective September 1, 1962.

HAYASHI, MARIE N., Research Assistant in Microbiology — resignation effective July 1, 1962.

HAYDIAY, ALEXANDER A., Assistant Professor of Mechanical Engineering — resignation effective September 1, 1962.


MCMULLEN, CARL, Research Assistant in Biological Chemistry (Medicine) — resignation effective August 15, 1962.

MIZUKAMI, HIROSHI, United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective October 16, 1962.

PARSONS, MELVIN O., JR., Assistant Professor of Business Management — resignation effective September 1, 1962.

RAO, PILLARSETTY J., Instructor in the Natural History Survey — resignation effective October 1, 1962.

RODGERS, ROY A., Fellow in Finance — resignation effective October 27, 1962.


TSUCHIYA, GORO, Assistant in Neurology and Neurological Surgery (Medicine) — resignation effective July 1, 1962.

VLES, EVERT J., Research Assistant in Chemistry — resignation effective September 1, 1962.

YARWOOD, DEAN L., Charles E. Merriam Fellow in Political Science — resignation effective October 1, 1962.

LEAVES OF ABSENCE

DAUTEN, PAUL M., JR., Professor of Management — leave of absence, without pay, from March 1 through August 31, 1963, so that he may accept an appointment as Visiting Professor of Management at Arizona State University.

FALK, ALFRED B., Clinical Associate Professor of Dermatology (Medicine) — leave of absence for eleven months from October 1, 1962.

MCCAULISTER, WALTER G., Associate Professor of Psychology — leave of absence, with pay, for the first semester of the academic year 1962-63, on account of disability.
Otis, Jack, Psychiatric Social Work Supervisor and Associate Professor of Hygiene—leave of absence, without pay, for one year from September 1, 1962, so that he may accept a position at the University of California.

Robertson, James E., Research Professor of Electrical Engineering (College of Engineering) and in the Digital Computer Laboratory—leave of absence, without pay, from July 1, 1963, through December 31, 1963.

Sinha, Ramesh C., Research Associate in Botany—leave of absence, without pay, for one month from January 1, 1963.

MEMORIAL TO RALPH F. LESEMANN

Mr. Dilliard offered the following resolution:

The Board of Trustees of the University of Illinois records with deep sorrow the death on October 19 of Ralph F. Lesemann, former Legal Counsel and Professor of Law.

Mr. Lesemann was born in Nashville, Illinois, on December 9, 1899. He graduated from the University of Illinois with the degrees of Bachelor of Arts in 1922 and of Doctor of Jurisprudence in 1924. He was a teacher from 1920-21 and principal from 1922-23 in the Nashville High School. In 1924 he began practicing law and was with the firm of Kramer, Kramer, and Campbell, East St. Louis, from 1924-26. He subsequently served as First Assistant United States Attorney from 1926-31, and then returned to the private practice of law as a member of the firm of Baker, Lesemann, Kagy, and Wagner, East St. Louis.

On July 1, 1951, he became Legal Counsel and Professor of Law at the University, serving in that capacity until 1961 when, because of health, he asked to be relieved of these duties and was appointed Special Counsel on part time. During these eleven years he served the University with distinction and untiring devotion to the work of his office. His constructive and insightful analyses of University problems which were brought to him contributed in many ways to strengthening the University's procedures and position in matters of legal controversy, and he won numerous favorable court decisions in University litigation.

His death is indeed a great loss to the legal profession, to the University, and to his community as well as to his family.

The Board directs that this resolution be incorporated in the minutes of today's meeting as a memorial to Mr. Lesemann and as a public tribute to his services; and that a suitable copy be sent to the members of his family as an expression of the Board's sympathy with them in their loss.

This resolution was unanimously adopted.

EXECUTIVE SESSION

On motion of Mrs. Watkins, an executive session was ordered for consideration of the following items of business:

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the University Research Board, the following reports and recommendations relating to patentable inventions by members of the staff. The Committee at a meeting held on September 14, 1962, agreed to recommend that the rights of the University in these inventions be released to the inventors if they indicated an interest within thirty days of notice or to the sponsoring agency if the inventors indicate no personal interest.

1. Plasma field displacement isolator and circulator — Joseph T. Verdeyen, Instructor in Electrical Engineering, inventor. It has been shown that the propagation of electromagnetic waves in a parallel-plane wave guide, which is filled with a magnetized plasma, exhibits a nonreciprocal behavior. The effect is similar to that found in a ferrite field displacement isolator.

The Patent Committee has heard nothing from the inventor after advising him of the action of September 14 and, therefore, recommends release of the rights of the University to the sponsoring agency, the United States Air Force.

2. Bent logarithmically-periodic zig-zag antenna — John William Greiser, Research Assistant in Electrical Engineering, inventor. These antennas are continuous structures of a single conductor formed in the shape of a planar logarithmically-periodic zig-zag which has been bent along its longitudinal axis.
The radiation pattern is unidirectional, coming off the small end of the antenna (backfire) and is essentially independent of frequency in the design bandwidth. An important feature is the ability of the horizontal elements to alter the active, radiating portion of the antenna.

The inventor has indicated that he will not file for a patent; and accordingly, the Patent Committee recommends release of the rights of the University to the sponsoring agency, the United States Navy.

3. Dipole propulsion and accelerator system—Shao Lee Soo, Professor of Mechanical Engineering, inventor. Systems utilizing force on a dielectric or ferroelectric particle or body, or dipole molecule or atom when such a material is placed in a non-uniform electric field.

The Patent Committee has heard nothing from the inventor after advising him of the action of September 14 and, therefore, recommends release of the rights of the University to the sponsoring agency, Project SQUID of the United States Government.

The Committee further recommends that the University's rights in an invention, photo current suppression ionization gauge, by Wilfred C. Schuemann, Electronics Technician II in the Coordinated Science Laboratory, be released to the University of Illinois Foundation for further study and possible patent application. This invention is an ionization gauge, which has been designed to remove the low pressure limitation, due to x-rays, which is found in conventional ionization gauges.

I concur.

On motion of Mr. Swain, these recommendations were approved.

RECESS

On motion of Mr. Williamson, the Board recessed.

DEDICATION OF THE UNIVERSITY OF ILLINOIS RADIO TELESCOPE

At this point, the members of the Board of Trustees, officers of the Board, and other officials of the University joined officials and members of the Danville Chamber of Commerce at a luncheon honoring the Trustees and representatives of the Department of the Navy at a ceremony in dedication of the University of Illinois Radio Telescope constructed southeast of Danville.

Following the luncheon and formal dedication program, Trustees and other guests made an inspection of the Radio Telescope.

The Board remained in recess.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President
MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

December 19, 1962

The December meeting of the Board of Trustees of the University of Illinois was held in the Morrison Hotel, Chicago, Illinois, on Wednesday, December 19, 1962, beginning at 10:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. George T. Wilkins, Mr. Kenney E. Williamson. Mr. Earl M. Hughes and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Mr. C. C. Caveny, Assistant to the President, Chicago Office, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.
ADJOURNMENT OF NOVEMBER MEETING
The Board of Trustees at its meeting on November 9, 1962, recessed for luncheon and the program in dedication of the Radio Telescope in Danville, but did not reconvene.

On motion of Mr. Johnston, the November meeting adjourned.

INTRODUCTION OF MR. RAY PAGE
President Clement announced that Mr. Ray Page, Superintendent of Public Instruction-Elect, was present, having been invited to attend today’s meeting as a guest of the Board of Trustees. Mr. Page was introduced by Mr. Wilkins.

MINUTES APPROVED
The Secretary presented the minutes of the meeting of the Board of Trustees on June 20, 1962, press proof copies of which had previously been sent to the Board.

On motion of Mr. Swain, the minutes were approved as printed on pages 1499 to 1973, inclusive.

REPORT OF THE EXECUTIVE COMMITTEE
The Secretary presented the following report:

Contracts for Equipment for Heating Plant at Congress Circle
The Board of Trustees at its meetings on May 24 and June 20, 1962, awarded contracts for equipment for the heating plant to be constructed on the Congress Circle campus, but reserved the right of the University in each case to terminate the contract prior to September 15, 1962, and without cost to the University, by giving the contractor written notice of such termination. The Executive Committee was authorized to act for the Board on negotiations with contractors in exercising the University’s right to terminate contracts or to extend the period during which they may be executed or terminated. The Executive Committee on August 16, 1962, extended the period in which the contracts may be executed or terminated to December 15, 1962.

Taking of bids for other construction on the Congress Circle Campus has now been postponed, so that it would be to the University’s advantage to extend further the dates within which the University may execute or terminate the contracts for the heating plant. The Executive Committee reports that, on recommendation of the Director of the Physical Plant, the Vice-President and Comptroller, and the President of the University, it has authorized the extension of the period within which the following contracts may be executed, or terminated, to and including March 15, 1963. The contractors concerned have agreed to this extension.

High temperature water boilers, hot water pumps, and erection—International Boiler Works Company, East Stroudsburg, Pennsylvania... $235,597
Refrigeration equipment—T. F. Hanley Corporation, Chicago........ 185,859
Condenser water and chilled water circulating pumps—Allis-Chalmers Manufacturing Company, Chicago....................... 20,493
Cooling tower—Floor Products Company, Oak Park....................... 39,230
Switchgear and electrical equipment
15 KV switchgear—Allis-Chalmers Manufacturing Company........ 38,200
5 KV switchgear—Allis-Chalmers Manufacturing Company........ 44,800
480 V substation—Allis-Chalmers Manufacturing Company........ 29,650
125-volt battery—Allis-Chalmers Manufacturing Company........ 5,794
Inverter-diverter and control panel—Allis-Chalmers Manufacturing Company....................... 8,851

The Committee has also authorized termination of the following contracts with General Electric Company in view of the Company’s policy that price escalation clauses would be applicable to these contracts if extended beyond December 15, 1963.
Switchgear and electrical equipment:
Motor control centers........................................... $7,025
D-C distribution cubicles........................................ 2,531

Termination of these contracts will not seriously affect progress of the work, assuming that the University may proceed with the construction program prior to March 15, 1963, since the equipment can be obtained under other contracts.

The Executive Committee action was taken on December 11 and official notices have been sent to the contractors.

EXECUTIVE COMMITTEE
WAYNE A. JOHNSTON
FRANCES B. WATKINS
HOWARD W. CLEMENT
Chairman

C. S. HAVENS
Clerk

This report was received for record.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT
President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES
(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1913, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>CPA From</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUGENE HOWARD DEUTSCH</td>
<td>Gary, Indiana</td>
<td>Indiana</td>
</tr>
<tr>
<td>KENNETH THOMAS DUPON</td>
<td>Hammond, Indiana</td>
<td>Indiana</td>
</tr>
<tr>
<td>JAMES LYLE JOHNSON</td>
<td>Macomb, Illinois</td>
<td>Minnesota</td>
</tr>
<tr>
<td>CHARLES HERBERT LIBBY</td>
<td>Oak Park, Illinois</td>
<td>New York</td>
</tr>
<tr>
<td>CLINTON ARTHUR PRUST</td>
<td>La Grange, Illinois</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>HAROLD HARUNORU TSUKUNO</td>
<td>Elmhurst, Illinois</td>
<td>District of Columbia</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Johnston, these certificates were awarded.

APPOINTMENTS TO THE FACULTY
(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. CHARLOTTE H. ALTMAN, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
2. JOSEPH H. DE RIVERA, Research Associate Professor in the Institute of Communications Research, for the academic year 1962-63, on one-half time, at a salary of $4,350 (E50).
3. PAUL DOLINSKY, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
4. ROLLIN O. DUNSDON, Assistant Professor in the Bureau of Business Management, beginning October 15, 1962, at an annual salary of $10,500 (BY).
5. FRIEDA H. ENGEL, Assistant Professor in the Jane Addams Graduate School of Social Work, beginning September 1, 1962, on one-fourth time, at an annual salary of $2,025 (D25).
6. DUANE E. ERICKSON, Assistant Professor of Farm Management, Department of Agricultural Economics, beginning November 1, 1962, at an annual salary of $9,000 (DY).
7. DAVID R. EVANS, Associate Professor of Entomology, Physiology, and Biophysics, for one month from August 1, 1963, at a salary of $1,335 (G), and from September 1, 1963, at an annual salary of $12,000 (A).
8. LYLE P. FETTIG, Assistant Professor of Agricultural Economics, beginning October 1, 1962, at an annual salary of $8,500 (DY).
9. MORTIMER D. GROSS, Clinical Assistant Professor of Psychiatry, beginning October 1, 1962, without salary (DY).
10. HAROLD M. HYMAN, Professor of History, beginning September 1, 1963, at an annual salary of $15,000 (A).
11. GUST A. LEDAKIS, Visiting Associate Professor of Law, for the second semester, 1962-63, at a salary of $7,200.
12. ELISE E. LESSING, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
13. JOHN P. O'NEILL, Assistant Professor of Child Development, Department of Home Economics, beginning February 1, 1963, at an annual salary rate of $7,000 (D).
14. THEODORE R. PECK, Assistant Professor of Soils Extension, Department of Agronomy, beginning December 1, 1962, at an annual salary of $8,000 (DY).
15. ROBERT H. POLLACK, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
16. STEVEN P. QUIGLEY, Associate Professor in the Institute for Research on Exceptional Children, beginning December 1, 1962, at an annual salary of $10,000 (D).
17. PAUL J. SANAZARO, Clinical Associate Professor of Medicine, beginning September 25, 1962, without salary (DY).
18. LESTER D. SAVAGE, Jr., Assistant Professor of Mechanical and Industrial Engineering, beginning November 1, 1962, at an annual salary of $9,000 (B).
19. MORRIS SCHEINMAN, Assistant Professor of General Engineering, beginning December 1, 1962, at an annual salary of $8,400 (B).
20. PAUL W. SCHROEDER, Associate Professor of History, beginning September 1, 1963, at an annual salary of $10,000 (A).
21. THOMAS G. SCOTT, Professor of Zoology, beginning September 1, 1962, without salary (DY).
22. PAUL H. SILVERMAN, Visiting Professor of Zoology, for five and one-half months from January 1, 1963, at a salary of $7,639 (E).
23. ERIC W. SIMON, Visiting Associate Professor of Agronomy, for six months from April 1, 1963, at a salary of $5,500 (G).
24. MARILYN VAN GOETHEM, Clinical Assistant Professor of Psychology, Department of Psychiatry, beginning September 1, 1962, without salary (DY).
25. JOHN S. WILLIS, Assistant Professor of Physiology and Biophysics, for nine months from December 1, 1962, at a salary of $5,635 (B).

On motion of Mr. Dilliard, these appointments were confirmed.

SABBATICAL LEAVE OF ABSENCE
(3) I recommend that Dr. Norman A. Graebner, Professor and Chairman of the Department of History, be given a sabbatical leave of absence on one-half pay for one year beginning with the second semester, 1962-63, and continuing through the first semester, 1963-64, in accordance with the provisions of the University of Illinois Statutes. Professor Graebner has been offered a Fulbright award for a lectureship in American diplomatic history at the University of Queensland, Brisbane, Australia, and will also continue his research on American policies in the Far East.

On motion of Mr. Swain, this leave was granted.

CHAIRMANSHIP OF THE DEPARTMENT OF HISTORY
(4) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Robert W. Johannsen as Acting Chairman of the Department of History for the second semester of the current academic year 1962-63, to succeed Professor Norman Graebner who will be on sabbatical leave.
of absence for one year from the beginning of the second semester of this year, at an annual salary rate of $11,800.

The Dean also recommends the appointment of Professor Johannsen as Chairman of the Department of History for two years from September 1, 1963, Professor Graebner having requested that he not be considered for reappointment as Chairman of the Department.

This recommendation is submitted after consultation with the Executive Committee of the Department and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF CERAMIC ENGINEERING

(5) The Dean of the College of Engineering recommends the appointment of Professor Arthur L. Friedberg as Professor of Ceramic Engineering on indefinite tenure and Head of the Department of Ceramic Engineering beginning September 1, 1963, to fill the vacancy which will occur with the retirement of Professor A. I. Andrews at the end of the current academic year. The salary of the position will be determined when the budget for 1963-64 is submitted to the Board of Trustees for approval.

The recommendation for this appointment was initiated by a special search committee appointed by the Dean which canvassed possible candidates both within and outside of the Department and of the University; and subsequently all members of the Department were consulted by the Dean. The Dean of the Graduate College and the Executive Vice-President and Provost have also been consulted and concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

APPOINTMENT OF ASSOCIATE PROVOST FOR UNDERGRADUATE AFFAIRS

(6) The Executive Vice-President and Provost recommends the appointment of Professor Paul R. Shaffer of the Department of Geology as Associate Provost, effective February 1, 1963. Initially, this would be a half-time position for the academic year, and Professor Shaffer would continue his work in the Department of Geology on a proportionately reduced schedule.

As Associate Provost, Professor Shaffer would be primarily concerned with undergraduate affairs on the Urbana-Champaign campus, and with relationships between the undergraduate colleges on that campus and those on the other two campuses. His responsibilities would include problems related to undergraduate instruction, student services, regulations, housing, and other extracurricular affairs.

I concur.

On motion of Mr. Swain, this appointment was approved.

COLLEGE OF PHARMACY ADVISORY COMMITTEE

(7) The Dean of the College of Pharmacy recommends the appointment of Michael J. Mankowski, 32 West Randolph Street, Chicago, as a member of the College of Pharmacy Advisory Committee for a term of five years from July 1, 1962, succeeding Mr. Reed G. Henninger, Riverside, whose term has expired.

I concur.

On motion of Mrs. Watkins, this appointment was approved.

ADMISSION TO COLLEGE OF LIBERAL ARTS AND SCIENCES

(8) The Board on June 20, 1962, approved a recommendation from the Urbana-Champaign and Chicago Undergraduate Division Senates for revision of the minimum requirements for admission to the College of Liberal Arts and Sciences to include certain subjects.

1 J. W. Briscoe, Professor of Civil Engineering and Associate Head of the Department, Chairman; Alfred W. Allen, Professor of Ceramic Engineering; Ralph L. Cook, Professor of Ceramic Engineering; Harry G. Drickamer, Professor of Chemical Engineering and of Physical Chemistry; Robert J. Maurer, Professor of Physics; Victor J. Tenney, Research Assistant Professor of Ceramic Engineering.
The All-University Committee on Admissions and the two Senates concerned recommend, the Senate Coordinating Council concurring therein, addition of the following statement as a part of the minimum requirements for admission to the College of Liberal Arts and Sciences:

Students ranking in the upper 25 per cent of their high school graduating classes are eligible for admission with a deficiency in science, foreign language, or history. Such a deficiency must be compensated for by an equivalent amount of additional credit in the other subjects listed.

It is further recommended that these changes in requirements, including those approved June 20, 1962, become effective for students enrolling in June, 1965, and thereafter.

On motion of Mr. Wilkins, these recommendations were approved.

CHANGE IN GRADING SYSTEM
(9) On November 7, 1951, the Senate Committee on Student Discipline adopted a policy and procedures for dealing with student academic irregularities which directed that the grade of “DR” be recorded when a student is dropped from a course for dishonesty in an examination or other required work in the course. In the computation of scholastic averages, the grade of “DR” has been the equivalent of the grade of “E,” indicating failure. This policy along with procedures for dealing with such cases was implemented by administrative action. Formal approval by the Board of Trustees was not deemed necessary under the 1936 University of Illinois Statutes then in effect.

The three Senates have now recommended, the Senate Coordinating Council concurring therein, that the grade of “DR” be discontinued, and that a grade of “E,” indicating failure, be recorded when a student is dropped from a course for dishonesty. It is the opinion of the Senate Coordinating Council that this change in the grading system is a matter of educational policy which, under the present University Statutes, also requires approval by the Board of Trustees.

I recommend approval.

On motion of Mr. Johnston, this recommendation was approved.

Mr. Dilliard asked if the fact that a grade of “E” was being reported for academic irregularity would be entered in the student’s record and expressed the opinion that such should be the practice.

President Henry stated that a report in answer to the question would be made at a subsequent meeting.

UNDERGRADUATE REQUIREMENT IN GENERAL EDUCATION
(10) A special All-University Committee on General Education completed a comprehensive study of the requirements and programs of the undergraduate colleges in general education (courses in the humanities, the social sciences, and the natural sciences), during the second semester of 1961-62. Over a period of several years, the Committee had studied programs in other universities and had conducted extensive discussions of the means of improving the general education of undergraduates at the University of Illinois.

In addition to several proposals for improved administrative arrangements, the Committee submitted concurrently to the three Senates the following recommendation for a change in graduation requirements in general education:

“Effective for all undergraduate students entering the University on or after June 1, 1964, each Senate of the University of Illinois add to the present single all-University course requirement for graduation (English composition), a minimum of six hours each in the humanities, the social sciences, and the natural sciences, respectively. Approved sequences should be distributed over at least three years.”

The three Senates and the Senate Coordinating Council have approved the Committee’s recommendations. The deans of the colleges have also been consulted.

I concur.

On motion of Mrs. Watkins, these recommendations were approved.

The Committee has also recommended, the Senates and the Senate Coordinating Council concurring therein, that:
Faculties of the individual colleges take immediate action to establish sequences in each of the basic courses, subject to approval by the appropriate Senate Committee on Educational Policy.

After three years of experience with these requirements, consideration be given to increasing the minimum in each of the three basic areas to nine semester hours and to including a reading knowledge of one foreign language.

These two recommendations are to the colleges and are being reported for the information of the Board and for record.

CENTER FOR INTERNATIONAL EDUCATION AND RESEARCH IN ACCOUNTING

(11) The Dean of the College of Commerce and Business Administration recommends establishment within the Department of Accountancy of a "Center for International Education and Research in Accounting" for the extension and formalizing of the Department's work in accounting on an international scale.

A more complete statement of the proposal for such a Center is submitted herewith and a copy is being filed with the Secretary of the Board for record. As indicated in this statement, the Center will be a part of the Department of Accountancy, will be housed in the Department on a permanent basis, and the staff of the Department will serve the programs of the Center. No additional funds are being requested at this time and it is expected that publications and conferences will be underwritten by grants from outside sources. All recommending officers have been consulted and concur in the proposal.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(12) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

**Urbana-Champaign**
1. College of Engineering, nuclear engineering equipment ................ $15,900
2. Physical Plant
   Statistical Service Unit, remodeling and expansion of Computer Room in Arcade Building to accommodate additional new 1401 computer system .......................................................... 5,800
   Department of Speech and Theatre in Illini Hall, additional remodeling for installing a Hearing Testing Chamber ............................................. 5,727
   **Total, Urbana-Champaign** ........................................ $27,427

**Chicago Undergraduate Division**
3. Physical Plant, College of Architecture and Art, remodeling of two rooms ......................................................... 4,500

**Grand Total** ................................................. $31,927

I concur in these recommendations.

On motion of Mr. Pogue, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR REMODELING IN THE FIRST UNIT OF THE DENTISTRY-MEDICINE-PHARMACY BUILDING

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling of space previously occupied by the Animal Hospital, before moving into its new quarters in the Medical Research Laboratory, converting an area formerly used for storage into research laboratories for the Departments of Pathology and Anatomy, the award in each case being to the lowest bidder.

**General** — Duggan-Karasik Construction Company, Skokie .... $36,110.25

Base bid ........................................................ 32,578.00

Additive alternate for service charge for supervision of other contracts assigned to this contractor .... 3,532.25
Plumbing — Ashland Plumbing and Heating Company, Chicago...... $ 10 387 00
Heating and Process Piping — William Adams Engineers, Inc., Chicago ............................................................................. 9 934 00
Ventilating — Corite-Reynolds Corporation, DesPlaines .......... 13 710 00
Pipe Covering and Insulation — Chicago Pipe and Boiler Covering Company, Chicago ............................................................... 1 670 00
Electrical — Fries-Walters Company, Chicago ...................... 10 618 00
Laboratory Equipment — Browne-Morse Company, Chicago ............................................................................... 24 326 00

Total ......................................................................................................................... $106 755 25

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $106,755.25; and that an agreement be entered into with Duggan-Karasik Construction Company for the assignment of these other contracts for $3,532.25 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released and from a matching National Institutes of Health Grant (RC-1068).

Submitted herewith is a schedule of all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR REMODELING IN RESEARCH AND EDUCATIONAL HOSPITALS

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling an area of the basement of the Research and Educational Hospitals (General Hospital) for use as locker rooms and for storage of medical records, the award in each case being to the lowest responsible bidder.

General — B. R. Abbot Construction Company, Chicago............ $49 914
Base bid ................................................................................................................. $46 789
Additive alternates
Service charge for supervision of other contracts assigned to this contractor ............................................................... 1 800
Suspended ceiling, Medical Records area ......................................................... 1 260
Air conditioning, Medical Records area ............................................................. 65

Plumbing — Fettes, Love, and Sieben, Inc., Chicago......................... 8 443
Heating — Phillips, Getschow Company, Chicago .................................. 5 215
Base bid .............................................................................................................. $ 4 200
Additive alternate for air conditioning, Medical Records area .................. 1 015

Ventilating — Narowetz Heating and Ventilating Company, Chicago...... 20 946
Base bid .............................................................................................................. $17 573
Additive alternate for air conditioning, Medical Records area ................. 3 373

Electrical — Local Electric Company, Inc., Chicago .................... 15 065
Base bid .............................................................................................................. $15 000
Additive alternate for air conditioning, Medical Records area ................. 65

Total ....................................................................................................................... $99 583

A low bid submitted by the Thunderbird Electric Company, Chicago, would have to be rejected because of the Company's admitted failure to meet the standard conditions in the Board of Trustees’ "Regulations Governing Procurement and Bidding at the University of Illinois." The Company has therefore been permitted to withdraw its bid, and the electrical contract is being awarded to the Local Electric Company, Inc., Chicago, as the lowest responsible bidder.
The remodeling will provide locker rooms and lounge facilities for nurses and other women employees and will up-grade an area being used for filing records.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $99,583; and that an agreement be entered into with B. R. Abbot Construction Company for the assignment of these other contracts for $1,800 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a schedule of all bids received and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR REMODELING RESEARCH AND EDUCATIONAL HOSPITALS ADDITION

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of an x-ray view room on a second floor setback of the addition to the Research and Educational Hospitals and for remodeling and extension of a special diet kitchen in the Hospitals, the award in each case being to the lowest bidder.


Base bid .............................................. $59,790

Additive alternate for service charge for supervision of other contracts assigned to this contractor............ 2,600

Plumbing—Ashland Plumbing and Heating Company, Chicago......... 4,640

Heating—Louis Cutler Plumbing and Heating Company, Chicago...... 16,675

Ventilating—H. S. Kaiser Company, Elk Grove.......................... 32,400

Electrical—Wadeford Electric Company, Chicago.......................... 12,508

Kitchen Equipment—Century Equipment Company, Chicago.............. 15,587

Total ........................................................... $144,260

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $144,260; and that an agreement be entered into with B. R. Abbot Construction Company for the assignment of these other contracts for $2,600 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR ELEVATOR REHABILITATION IN RESEARCH AND EDUCATIONAL HOSPITALS

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the rehabilitation of two elevators in the Research and Educational Hospitals (General Hospital), the award in each case being to the lowest bidder.
General — Heller Construction Company, Inc., Chicago............. $ 34 203
   Base bid .................................................. $30 998
   Additive alternate for service charge for supervision of
   other contracts assigned to this contractor............. 3 205
Elevator Equipment — Trimon Elevator Company, Inc., Chicago....... $ 59 996
Electrical — Divane Bros. Electric Company, Chicago............... 6 590
Total ........................................................... $100 789

The work will include removal of present obsolete equipment, revision of
roof housing and shaftways and furnishing and installing two new passenger
elevators, generator field control, two-way automatic leveling, duplex collective
with and without attendant.

It is further recommended that all contracts other than the contract for
general work be assigned to the contractor for that work, making the total of his
contract price $100,789; and that an agreement be entered into with Heller Con-
struction Company, Inc. for the assignment of these other contracts for $3,205
which amount is included in the contract price, being the amount bid by that
Company as a service charge for supervision of other contracts assigned to the
general contractor.

Funds are available in the state capital appropriations to the University for
1961-63 from the Universities Building Fund and have been released.

A schedule of the bids received is submitted herewith and a copy is filed
with the Secretary of the Board for record.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recom-
mended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr.
Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr.
Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

CONTRACT FOR CONDUCTIVE FLOOR TILE IN THE RESEARCH
AND EDUCATIONAL HOSPITALS

(17) The Director of the Physical Plant and the Vice-President and Comptroller
recommend award of a contract for $6,320 to the C. E. Korsgard Company,
Chicago, the lowest bidder, for installation of conductive floor tile in the surgical
suites and auxiliary areas of the Research and Educational Hospitals to reduce
explosion hazards and to comply with the National Fire Protection Association's
"Safe Practices for Hospital Operating Rooms."

Funds are available from the Physical Plant maintenance budget.
The project was advertised in the "Illinois State Register."

I concur.

On motion of Mr. Swain, this contract was awarded by the follow-
ing vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue,
Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none;
absent, Mr. Hughes, Mr. Kerner.

CONTRACT FOR DESIGN SERVICES FOR MOVABLE EQUIPMENT
FOR BUILDINGS AT CONGRESS CIRCLE

(18) The Director of the Physical Plant, the Vice-President for the Chicago
Undergraduate Division, and the Vice-President and Comptroller recommend
award of a contract to Skidmore, Owings, and Merrill for design services, includ-
ing layout, selection of materials, and fabrications for the movable equipment
for the following buildings at Congress Circle: staff administration, classroom
buildings, library, lecture center, and engineering and sciences laboratories. Fees
for this service will be based on time-card charges for services of professional
personnel at the firm's usual and customary hourly rates, plus 150 per cent for
overhead and commission. The estimated total cost of such services is $88,000.

Funds are available in the state capital appropriations to the University for
1961-63 from the Universities Building Fund, subject to release by the Governor.

I recommend approval.

On motion of Mr. Johnston, this contract was awarded by the fol-
lowing vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr.
Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

**CONTRACT FOR FARM BUILDINGS**

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $39,450 to Casserly Construction Company, Champaign, the lowest bidder, for erection of three minor agricultural buildings to be located on the University's farms south of the main campus at Urbana-Champaign.

It is also recommended that assignments of funds for construction of these buildings be made from:

- Dairy Science Income — for the Free Stall Dairy Barn on Lincoln Avenue
- Universities Building Fund — for the Machinery Storage and Service Building on the Pell Farm
- Federal Hatch Funds — for Machinery Storage Building on the Grein Farm
- General Reserve, $3,800 — to complete financing of the Grein Farm building

I concur.

On motion of Mr. Dilliard, this contract was awarded, and the recommended assignments of funds were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

**REMODELING OF QUARTERS AT 807 SOUTH LINCOLN AVENUE, URBANA, FOR UNIVERSITY RETIREMENT SYSTEM**

(20) The University has been providing office quarters for the University Retirement System of Illinois since it was established in 1941. Presently the System offices are in a remodeled frame house owned by the University at 1210 West Oregon Street, Urbana.

With the normal growth of the operations of the System, the quarters now occupied are no longer adequate. Moreover, the land area at 1210 West Oregon Street will be needed as part of the site for an addition to the East Chemistry Building, scheduled for construction during the 1963-65 biennium.

Space leased by the University of Illinois Foundation in a brick, commercial, building at 807 South Lincoln Avenue, Urbana, formerly used by the Department of Art, is now vacant and, with remodeling, will provide adequate quarters for the University Retirement System. The University subleases the property at a rental of $550 per month by authorization of the Board of Trustees on July 21, 1959.

The Foundation's lease of the property will expire in November, 1964. The owner has agreed to a five-year extension on the same terms and conditions. The Director of the Physical Plant and the Vice-President and Comptroller recommend that:

The Board of Trustees request the Board of Directors of the University of Illinois Foundation to extend the lease for an additional five-year period with the understanding that subleasing to the University will be continued; An assignment of $19,000 be made from the General Reserve Fund for remodeling the property; and that The remodeled facilities be assigned to the University Retirement System of Illinois.

I concur.

On motion of Mr. Swain, these recommendations were approved, and the requested assignment of funds was authorized, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

**ADDITION TO CONTRACT FOR PLANT SCIENCES BUILDING**

(21) The Director of the Physical Plant and the Vice-President and Comptroller
recommend an increase of $2,999.70 in the contract with the W. E. O'Neil Construction Company, Chicago, for construction of the Plant Sciences Building (Jonathan Baldwin Turner Hall) to include installation of temperature controls for the ventilators in the greenhouses.

Funds are available in the construction budget for this project.

I concur.

On motion of Mr. Dilliard, this change in contract was authorized.

**ADDITION TO CONTRACT FOR ALTERATIONS IN THE RESEARCH AND EDUCATIONAL HOSPITALS ADDITION**

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $3,618.85 in a contract with Consumers Construction Company, 3748 West Montrose Avenue, Chicago, for alterations on the eighth floor of the Research and Educational Hospitals Addition.

The Department of Medicine has requested a change in the autoclave which is part of the contracts for these alterations. In the original planning, it was believed that a standard type of autoclave would be suitable; however, upon further study, it was concluded that an autoclave with a high vacuum system is needed. The new autoclave proposed increases materially the sterilization process as to the temperature at which sterilization takes place and thereby kills the bacteria faster and more completely than can be done in the standard autoclave. This is very important to the germ-free research work to be done in the area being remodeled.

Funds are available in a United States Public Health Service Grant (OG-21). I recommend that the Comptroller be authorized to execute this change in the contract.

On motion of Mrs. Watkins, this change in contract was authorized.

**BICYCLE LANE ON EAST SIDE OF URBANA CAMPUS**

(23) The number of bicycles now on the campus, the heavy concentration of bicycles at the Natural History Building and the East Chemistry Building, and occupancy of the Pennsylvania Avenue Residence Halls have created a traffic hazard on the east side of the campus, particularly in Mathews Avenue, Urbana, parts of which are presently restricted to one-way traffic. Representative officials of the city of Urbana and of the University agree that a bicycle lane extending along the east side of the campus would be a greatly needed safety factor. Studies indicate that such lane should provide for two-way bicycle traffic, and that a portion of the lane should be located in Mathews Avenue.

Officials of the city of Urbana regard such lane as a needed public improvement and have approved, in principle, entering into negotiations with the University for construction and maintenance of the portion of the bicycle lane that would lie within the present right-of-way of Mathews Avenue.

The proposed construction would reduce the width of the street available to motor driven vehicular traffic by approximately two feet six inches, but would not reduce the number of parking meters between Springfield Avenue and Nevada Street. Construction of such a lane would include connections with existing bicycle lane systems. The total estimated cost is $35,000.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize:

Negotiations with the city of Urbana for the construction and maintenance, at University expense, of a bicycle lane approximately six feet wide on the right-of-way of Mathews Avenue from the south side of Nevada Street to Springfield Avenue, in return for which the City will adopt and enforce an ordinance permitting two-way bicycle traffic within the lane and prohibiting the use of the lane by any vehicle other than bicycles which are not motor driven.

The execution by the officers of the Board of an agreement or agreements with the City and such other documents as may be necessary, subject to approval of the University's Legal Counsel.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, these recommendations were approved,
and authority was given as requested, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner.

AGREEMENT WITH DEPARTMENT OF MENTAL HEALTH FOR OPERATION OF ILLINOIS EYE AND EAR INFIRMARY

(24) The Medical Director of the Research and Educational Hospitals, the Vice-President for the Medical Center, and the Vice-President and Comptroller recommend authorization of an agreement with the Department of Mental Health providing for the operation of the Illinois Eye and Ear Infirmary jointly by the University and the State Department of Mental Health to replace an existing agreement entered into by the University with the former Department of Public Welfare (now the Department of Mental Health).

Relocation of the Illinois Eye and Ear Infirmary in a new building which the Department is constructing on a site adjacent to the Research and Educational Hospitals and which will be completed in 1961 makes it desirable to amend the existing agreement in certain respects.

The principal changes in the new agreement are: reference to the Infirmary being a "constituent unit" of the "Illinois Medical Center" is deleted; administrative and financial relationships between the two parties are clarified; and the joint management group is named the "Joint Executive Committee" with its composition reconstituted and its functions redefined.

I concur.

On motion of Mrs. Watkins, authority was given as requested.

Authorization of Fallout Shelter Licenses to Federal Government

(25) The federal government has under way an accelerated program of civil defense, which includes plans for fallout shelters. The government has proposed that certain facilities throughout the country be designated and equipped, at no expense to their owners, as fallout shelters. A license must be issued to the federal government by the owner for use of any facility. State and local Civil Defense officials have requested the University to grant to the federal government such licenses for various buildings at Urbana-Champaign and at the Medical Center in Chicago.

The firm of Brown, Manthei, Davis, and Mullins, Consulting Engineers, Champaign, has been employed by the federal government to conduct a fallout shelter survey and determine which buildings can be used for fallout shelters and subsequently licensed at the Urbana campus.

The firms of Consoer Townsend and Associates, A. Epstein and Sons, Inc., and De Leuw, Cather, and Co., Chicago, have completed studies at the Medical Center campus.

Such licenses may be revoked by the University on giving ninety days' written notice, sent by registered mail, to the political subdivision and the federal government.

University officials will review the proposals for designations of shelters in order to minimize interference with educational programs.

To comply with the request of the federal government, it is recommended that the Comptroller and the Secretary of the Board be authorized to execute a license or licenses with the United States government for fallout shelters.

I concur.

On motion of Mr. Johnston, this recommendation was approved.

Licensing of Recorded Program of Instruction in Theoretical and Applied Mechanics

(26) The University has been requested by the United States Military Academy, West Point, to license the use of five two-hour lessons recorded on videotape from the course Theoretical and Applied Mechanics 223, Mechanical Behavior of Solids. It is proposed that a license be granted only for their use over closed-circuit television for the instruction of students at the Academy. A fee of $600 will be charged for the license, in addition to the actual cost of the re-recording to duplicate tapes. This fee is a nominal one based largely on information
received from the National Educational Television and Radio Center which indicates that it approximates the typical rate charged for similar materials.

Releases will be obtained from Professor T. J. Dolan, Head of the Department of Theoretical and Applied Mechanics, and from Professors H. R. Wetenkamp and T. RI. Elsesser who recorded the course.

The Executive Vice-President and Provost recommends granting of the license to the United States Military Academy on the basis of the above.

I concur.

On motion of Mr. Swain, this recommendation was approved.

COMPLIANCE REPORT REQUIRED UNDER NONDISCRIMINATION PROVISIONS OF U. S. GOVERNMENT CONTRACTS

(27) On March 6, 1961, President John F. Kennedy issued Executive Order No. 10925 requiring that a provision be inserted in all United States government contracts that the "Contractor will not discriminate between any employee or applicant for employment because of race, creed, color or national origin." The Order also requires that the Contractor submit information and reports as may be required by the President's Committee on Equal Employment Opportunity. Shortly thereafter, the Department of Defense, the Atomic Energy Commission, the Public Health Service, and other government agencies with which the University has many contracts all requested a Compliance Report from the University for the use of the Committee. Parts I and II of the report requested information concerning the policies and practices of the University in connection with employment. This information was submitted to the Committee on June 30, 1962. Part III of the Compliance Report requested certain personnel statistics which were not available because of the University's policy of not requiring information as to race, creed, or national origin in the application form and other personnel records of employees. Accordingly, the information was not furnished.

The Committee has again requested this information and since compliance with a Federal Order is indicated, notwithstanding a University policy which precludes carrying such information in its official records, it is necessary to direct the University officers involved to obtain this information from department heads who will make a head count to determine the number of Negroes and other members of minority groups in their departments. This information will be submitted and included in the report without personal identification and no specific information will be transferred from the survey to the records of the individuals. The report containing information gathered under these conditions will then be submitted to the President's Committee.

This report was received for record.

PURCHASES

(28) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used in these recommendations to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors.

Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>6,000 (maximum) college qualification tests, including tests, answer sheets, mark sensing pencils, and grading services</td>
<td>Admissions and Records</td>
<td>The Psychological Corp., New York, N.Y.</td>
<td>$ 100.00 f.o.b. New York, N.Y.</td>
</tr>
<tr>
<td>One complete glass distillation apparatus including twenty-foot distillation column with eight bubble cap plates, pressure gauges, manometers and glass boiler for graphic demonstrations of distilling processes in chemical engineering classes</td>
<td>Chemistry and Chemical Engineering</td>
<td>Corning Glass Works, Corning, N.Y.</td>
<td>$ 550.00 f.o.b. delivered</td>
</tr>
</tbody>
</table>
One oscillator, backward wave sweeping, 8.2 to 12.4 kc., power output 10 mw, two frequency markers adjustable over entire range, accuracy plus or minus 1 per cent.

Four grand pianos, 5 ft., 2 in., ebony finish, less trade-in of three grand pianos (A).

Four grand pianos, 5 ft., 7 in., ebony finish, less trade-in of four grand pianos (B).

Seven of which are to be installed in various rooms in Smith Music Hall and one to be installed in the Theory Annex.

Two pipe organs, two-manual, to be furnished and installed in Smith Music Hall, less credit for trade-in of two pipe organs.

One ruby laser system including: power supply, 5,000 volts; two capacitor banks, 1,000 joules each; one laser mount, air blast cooled, helical tube type; two helical flash tubes; and one ruby rod air blast cooled, helical tube type; two frequency markers adjustable over entire range, accuracy plus or minus 1 per cent.

One inserting machine, six-station, to insert material to be mailed into inserts in size from 6 in. by 3 3/4 in. to 9 3/4 in. by 0 1/4 in., capable of inserting matter up to 1/8 in. thick, equipped with a postage permit imprinter.

Print and bind 10,000 copies Undergraduate Study, 1962-63, approximately 344 pages per copy, trim size 6 in. by 9 in.

University Press Malloy Lithographing, Inc., Ann Arbor, Mich. 5 000 00 f.o.b. delivered

One inserting machine, six-station, to insert material to be mailed into envelopes ranging in size from 6 in. by 3 3/4 in. to 9 3/4 in. by 0 1/4 in., capable of inserting matter up to 1/8 in. thick, equipped with a postage permit imprinter.

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Print and bind 10,000 copies Undergraduate Study, 1962-63, approximately 344 pages per copy, trim size 6 in. by 9 in.

University Press Malloy Lithographing, Inc., Ann Arbor, Mich. 5 000 00 f.o.b. delivered

One inserting machine, six-station, to insert material to be mailed into envelopes ranging in size from 6 in. by 3 3/4 in. to 9 3/4 in. by 0 1/4 in., capable of inserting matter up to 1/8 in. thick, equipped with a postage permit imprinter.

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<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One surgical operating table with aesthetic screen, sponge rubber pad and foot extension</td>
<td>Research and Educational Hospitals, Chicago</td>
<td>American Sterilizer Co., Chicago</td>
<td>$2,731.00 delivered</td>
</tr>
<tr>
<td>One truck cab and chassis to carry lead lugger and snow plow attachment</td>
<td>Physical Plant, Chicago</td>
<td>GMC Truck &amp; Coach Division, Chicago</td>
<td>$3,385.00 delivered</td>
</tr>
<tr>
<td>Ten general purpose oscilloscopes</td>
<td>Engineering, Undergraduate Division, Chicago</td>
<td>Crossley Associates, Inc., Chicago</td>
<td>$4,811.00 delivered</td>
</tr>
</tbody>
</table>

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print and bind 5,000 copies of <em>Diseases of Ornamental Plants</em>, by J. L. Forsberg, a book of approximately 224 pages, trim size 6 1/8 in. by 10 in., describing approximately 700 diseases attacking ornamental plants and advising means of controlling them</td>
<td>Agricultural Administration</td>
<td>North Central Publishing Co., St. Paul, Minn.</td>
<td>$4,459.98 f.o.b. delivered</td>
</tr>
<tr>
<td>One spectrophotometer with wave length marker, multispeed chart drive, four rectangular cells, two microcells and jackets, one slide wire, hydrogen lamp, phototube and accessory kit; the equipment will be used to measure concentrated purified virus preparations quantitatively and measure changes they undergo under various treatments</td>
<td>Botany</td>
<td>Applied Physics Corp., Chicago</td>
<td>$17,392.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One analytical ultracentrifuge with optical system, mask and timer, and twelve-cell assemblies</td>
<td>Botany</td>
<td>Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$41,471.50 f.o.b. delivered</td>
</tr>
<tr>
<td>One preparative ultracentrifuge with eight rotors and hollow stem radiation handle to be used in the Botany Department to study large molecules governing the behavior of both normal and malignant cells</td>
<td>Botany</td>
<td>Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$41,471.50 f.o.b. delivered</td>
</tr>
<tr>
<td>One microdensitometer, double beam, automatic-recording, 4x and 10x objectives, with standard accessories, for research and routine analysis in X-ray diffraction in quantitative measurements of optical densities or spacings</td>
<td>Chemistry and Chemical Engineering</td>
<td>Chicago Apparatus Co., Chicago</td>
<td>$2,530.00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One monochromator, grating, with high intensity mercury arc light source, to become a part of a fluorescence spectrophotometer system used to analyze the fluorescence of light emitted</td>
<td>Chemistry and Chemical Engineering</td>
<td>Industrial Cork Co., Inc., Melrose Park</td>
<td>$2,682.00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One gas chromatograph with separate heaters, sample size 0.1 to 2.0 milliliter, automatic sample collection and temperature programmer for use in metabolic studies in biochemistry</td>
<td>Chemistry and Chemical Engineering</td>
<td>Wilkens Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>$2,019.25 f.o.b. delivered</td>
</tr>
<tr>
<td>One sublimator (freeze-dryer), refrigerated, with sterile operation and continuous indicators and controllers for both shelf and condenser for use in milk synthesis research</td>
<td>Dairy Science</td>
<td>RePP Industries, Inc., Gardiner, N.Y.</td>
<td>$5,760.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Seventy-five sets connector frames to be machined, drilled, and assembled as specified by Digital Computer Laboratory; this material will become part of a new high speed computer which the University of Illinois has contracted to build for the Atomic Energy Commission</td>
<td>Digital Computer Laboratory</td>
<td>Leichner Manufacturing Co., Champaign</td>
<td>$3,375.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Four power supplies, regulated, D.C., 0-12 volts output, 0-100 amps; 1 percent regulation; 24 amps A.C. input, 115/208/230 volts, 50-60 cps</td>
<td>Digital Computer Laboratory</td>
<td>Kepco, Inc., Flushing, N.Y.</td>
<td>$4,221.08 f.o.b. delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
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</tr>
<tr>
<td>600 terminal boards, type 2076 (designed by U. of I. staff)</td>
<td>Digital Computer Laboratory</td>
<td>Mandex Manufacturing Co., Inc., Chicago</td>
<td>$3 827 72 f.o.b. Chicago</td>
</tr>
<tr>
<td>30 male and 30 female, 47 points</td>
<td>Electrical Engineering</td>
<td>The Bendix Corp., Cincinnati, Ohio</td>
<td>15 500 00 delivered and installed</td>
</tr>
<tr>
<td>96 male and 96 female, 24 points</td>
<td>Electrical Engineering</td>
<td>FXR Products, Chicago</td>
<td>3 682 00 f.o.b. Danbury, Conn.</td>
</tr>
<tr>
<td>114 male and 114 female, 26 points</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 male and 24 female, 23 points</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36 male and 36 female, 20 points</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One electron microscope, resolving power better than 20 angstroms, accelerating voltage 50 kv, with feature that two specimens can be inserted simultaneously and exchanged by a single operation outside the vacuum, plus one full year service agreement</td>
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<td>One electron microscope, resolving power better than 20 angstroms, accelerating voltage 50 kv, with feature that two specimens can be inserted simultaneously and exchanged by a single operation outside the vacuum, plus one full year service agreement</td>
<td>3 682 00 f.o.b. Danbury, Conn.</td>
</tr>
<tr>
<td>120 relays, coaxial, shorting termination, 75 ohm 12 vdc coil, bnc connectors, operation-switching rate of 2 cps, vswr less than 1.02 and insertion loss less than 0.1 db over the operating range, split</td>
<td>One electron microscope, resolving power better than 20 angstroms, accelerating voltage 50 kv, with feature that two specimens can be inserted simultaneously and exchanged by a single operation outside the vacuum, plus one full year service agreement</td>
<td>One electron microscope, resolving power better than 20 angstroms, accelerating voltage 50 kv, with feature that two specimens can be inserted simultaneously and exchanged by a single operation outside the vacuum, plus one full year service agreement</td>
<td>3 682 00 f.o.b. Danbury, Conn.</td>
</tr>
<tr>
<td>One chromogram solid state scanning system, windowless 4 pi scanner for counting tritium (H3), carbon,4 and sulphur4s with an anticoincidence circuit</td>
<td>One chromogram solid state scanning system, windowless 4 pi scanner for counting tritium (H3), carbon,4 and sulphur4s with an anticoincidence circuit</td>
<td>One chromogram solid state scanning system, windowless 4 pi scanner for counting tritium (H3), carbon,4 and sulphur4s with an anticoincidence circuit</td>
<td>3 682 00 f.o.b. Danbury, Conn.</td>
</tr>
<tr>
<td>One microdensitometer, complete with integrating recorder, for use in the investigations on the synergistic effect of heated fat on a carcinogen</td>
<td>One microdensitometer, complete with integrating recorder, for use in the investigations on the synergistic effect of heated fat on a carcinogen</td>
<td>One microdensitometer, complete with integrating recorder, for use in the investigations on the synergistic effect of heated fat on a carcinogen</td>
<td>3 682 00 f.o.b. Danbury, Conn.</td>
</tr>
<tr>
<td>P. C. Liao Collection of Chinese Classics, 7,200 volumes</td>
<td>Library</td>
<td>Mrs. P. C. Liao, Hong Kong</td>
<td>7 000 00 f.o.b. Hong Kong</td>
</tr>
<tr>
<td>Share of program for the cataloging and preparation of printed catalog cards for 1962 publications received from India and Pakistan under the Public Law 480 Program</td>
<td>Share of program for the cataloging and preparation of printed catalog cards for 1962 publications received from India and Pakistan under the Public Law 480 Program</td>
<td>Share of program for the cataloging and preparation of printed catalog cards for 1962 publications received from India and Pakistan under the Public Law 480 Program</td>
<td>7 750 00 f.o.b. Bethesda, Md.</td>
</tr>
<tr>
<td>Author and subject catalogs of the Library of the Peabody Museum of Archaeology and Ethnology, Harvard University, 53 volumes</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>11 041 50 delivered</td>
</tr>
<tr>
<td>Two cameras, professional, 16 mm., plus following accessories: two variable speed motors, two synchronous motors, 11 lenses, two compartment cases, two sound blimps, two storage cases, two footages counters, six film magazines, two torque motors, one film magazine case, two batteries, and one shoulder pod</td>
<td>Two cameras, professional, 16 mm., plus following accessories: two variable speed motors, two synchronous motors, 11 lenses, two compartment cases, two sound blimp, two storage cases, two footages counters, six film magazines, two torque motors, one film magazine case, two batteries, and one shoulder pod</td>
<td>Two cameras, professional, 16 mm., plus following accessories: two variable speed motors, two synchronous motors, 11 lenses, two compartment cases, two sound blimp, two storage cases, two footages counters, six film magazines, two torque motors, one film magazine case, two batteries, and one shoulder pod</td>
<td>14 805 00 f.o.b. Framingham, Mass. delivered</td>
</tr>
<tr>
<td>One electromagnet, reconditioned, 12 in. low impedance, including one set pole pieces having a final diameter of 9 in. and a gap width of 3/4 in., cooling accomplished without necessity of heat exchanger; one power supply with continuously variable in a single range from 40 milliamperes to maximum current; one field sweep unit</td>
<td>One electromagnet, reconditioned, 12 in. low impedance, including one set pole pieces having a final diameter of 9 in. and a gap width of 3/4 in., cooling accomplished without necessity of heat exchanger; one power supply with continuously variable in a single range from 40 milliamperes to maximum current; one field sweep unit</td>
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<td>7 480 00 f.o.b. delivered</td>
</tr>
<tr>
<td>One instrument for rapid and accurate measurements of the moduli of elasticity and the damping factors of solid materials such as aluminum, brass, copper, glass, ivory, etc</td>
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<td>One instrument for rapid and accurate measurements of the moduli of elasticity and the damping factors of solid materials such as aluminum, brass, copper, glass, ivory, etc</td>
<td>4 425 00 f.o.b. Beaverton, Ore.</td>
</tr>
<tr>
<td>Five polarized viewers</td>
<td>Physics</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>11 069 00 f.o.b. Chicago</td>
</tr>
<tr>
<td>Five oscilloscopes; DC-15 MC; calibrated sweep range 0.2 usec/cm to 2 sec/cm; sensitivity 0.05 volts/cm to 20 volts/cm calibrated</td>
<td>Five oscilloscopes; DC-15 MC; calibrated sweep range 0.2 usec/cm to 2 sec/cm; sensitivity 0.05 volts/cm to 20 volts/cm calibrated</td>
<td>Five oscilloscopes; DC-15 MC; calibrated sweep range 0.2 usec/cm to 2 sec/cm; sensitivity 0.05 volts/cm to 20 volts/cm calibrated</td>
<td>4 425 00 f.o.b. Beaverton, Ore.</td>
</tr>
<tr>
<td>Five polarized viewers</td>
<td>Physics</td>
<td>The E. L. Essley Machinery Co., Chicago</td>
<td>11 069 00 f.o.b. Chicago</td>
</tr>
<tr>
<td>One lathe, toolroom, precision, metal, 12 1/4 in. swing over bed, 20 in. nominal center distance, face plate 8 in. capacity variable speed drive, 5 hp motor</td>
<td>One lathe, toolroom, precision, metal, 12 1/4 in. swing over bed, 20 in. nominal center distance, face plate 8 in. capacity variable speed drive, 5 hp motor</td>
<td>One lathe, toolroom, precision, metal, 12 1/4 in. swing over bed, 20 in. nominal center distance, face plate 8 in. capacity variable speed drive, 5 hp motor</td>
<td>7 750 00 f.o.b. Bethesda, Md.</td>
</tr>
</tbody>
</table>

1962] UNIVERSITY OF ILLINOIS 279
<table>
<thead>
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<th>Item</th>
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<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory furniture for remodeling rooms in Horticulture Field Laboratory as follows:</td>
<td>Plant Pathology</td>
<td>Kewanee Technical Furniture Co., Evanston</td>
<td>$9,595.40</td>
</tr>
<tr>
<td>Two center laboratory benches, 8 ft. long</td>
<td></td>
<td></td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One center laboratory bench, 17 ft. 9 in. long</td>
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<tr>
<td>One instrument and analytical balance bench</td>
<td></td>
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<tr>
<td>One sink assembly</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>One cold room laboratory bench</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>One glasswork table</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two balance tables</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Five display cases</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 mm. films:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Four — The Novel</td>
<td>Audio-Visual Aids Service</td>
<td>Encyclopaedia Britannica Films, Inc., Wilmette</td>
<td>$9,504.00</td>
</tr>
<tr>
<td>Twelve — Great Dramatic Literature</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Fifty — Biology Programs (in color)</td>
<td></td>
<td></td>
<td>Wilmette</td>
</tr>
<tr>
<td>One ultramicrotome including table and chair, diamond knife and holder, specimen holders, saw, saw blades, grid boxes, and plate glass strips to be used in research on correlating molecular structure with physical structure in cancer cells and retinal cells</td>
<td>Zoology</td>
<td>LKB Instruments, Inc., Washington, D.C.</td>
<td>$4,328.10</td>
</tr>
<tr>
<td>One vacuum evaporator, automatically controlled, with vacuum pumps, bell jar, carbon and tungsten evaporation kits for preparation of thin carbon grids and shadowing for electron microscope experiments</td>
<td>Zoology</td>
<td>Tech Sales and Marketing, Indianapolis, Ind.</td>
<td>$2,587.48</td>
</tr>
<tr>
<td>Eight extractors, laundry, 15 pound dry capacity, 208 volts, 60 cycle</td>
<td>Housing Division</td>
<td>Laundry Dryer &amp; Equipment Co., Inc., St. Louis, Mo.</td>
<td>$2,848.00</td>
</tr>
<tr>
<td>One offset duplicator, to print on flat sheets ranging in size from 4 in. x 6 in. to 17 1/4 in. x 14 in. and having printing area of 17 in. x 13 in., 5000-sheet capacity, receding stacker and two three-wheel dollies, less trade-in of one offset duplicator 1942 model</td>
<td>Print Shop</td>
<td>Midwest Equipment &amp; Litho Supply Co., Peoria</td>
<td>$6,438.55</td>
</tr>
<tr>
<td>40,000 sheets verifax matrix</td>
<td>Office Supply</td>
<td>Jefferson Stationers, Inc., Springfield</td>
<td>$2,796.00</td>
</tr>
<tr>
<td>Ninety-six cartons verifax activator</td>
<td>Storeroom</td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>50,000 sets combination purchase order — delivery invoice voucher forms; eleven parts per set; approximately 8 1/4 in. x 11 in. detached</td>
<td>Office Supply</td>
<td>Varco, Inc., Decatur</td>
<td>$4,049.95</td>
</tr>
<tr>
<td>30,000 sets delivery invoice voucher forms; four parts per set; approximately 8 1/4 in. x 11 in. detached</td>
<td>Storeroom</td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>5,000 sets purchase order forms for continuous purchase orders; six parts per set; approximately 8 in. x 3 in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>This is approximately a one-year supply of these forms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One grader, motor, gasoline-engine driven, complete with 10 ft. shiftable moldboard, and scarifier less credit for trade-in of one grader, motor, 1952 model; grader to be used at Robert Allerton Park for road maintenance, snow removal, and various other grading projects</td>
<td>Robert Allerton Park</td>
<td>McElroy-Roland Machinery Co., Springfield</td>
<td>$4,390.00</td>
</tr>
<tr>
<td>Furnish and install underground electrical service to the Orchard Downs Housing Addition No. 1; this system will serve 160 housing units in this area</td>
<td>Physical Plant</td>
<td>Illinois Power Co., Champaign</td>
<td>$13,124.00</td>
</tr>
<tr>
<td>Seventy parking meters, sealed, single-cylinder type collection system to be furnished and installed in parking lot at 1109-1111 West Illinois Street, Urbana; with option to purchase up to 100 additional meters during the period ending June 30, 1963</td>
<td>Physical Plant</td>
<td>Duncan Parking Meter Division, Nautec Corp., Chicago</td>
<td>$4,086.80</td>
</tr>
<tr>
<td>Additional meters up to 100 will be furnished at the same unit prices of $116.48 per double meter and $60.74 for single meters, f.o.b. delivered and installed</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>Item</td>
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<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
<td>---------------------------------</td>
<td>---------------------------------------------</td>
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</tr>
<tr>
<td>180 mercury lamps, ASA code HJ6-15A, 1000 watts, color-corrected, mogul clamp base for installation in Assembly Hall</td>
<td>Physical Plant</td>
<td>Grand Stage Lighting Co., Chicago</td>
<td>$ 5 454 00</td>
</tr>
<tr>
<td>Portable stage, steel scaffold-type, complete with side railings, access steps, and flame-proof closure skirt; it will be a three-level stage consisting of a main unit 88 ft. by 48 ft. by 42 in. high and two auxiliary sections both 8 ft. by 48 ft. long — one 28 in. high and one 14 in. high; this portable stage will be used in the new Assembly Hall</td>
<td>Assembly Hall</td>
<td>Waco-Porter Corp., Schiller Park</td>
<td>11 447 00</td>
</tr>
<tr>
<td>Thirteen turnstiles, portable type, hip operated control, register with locking cover, complete with matching ticket boxes including inspection window and ticket container</td>
<td>Assembly Hall</td>
<td>Perry Manufacturing Co., Inc., New York, N.Y.</td>
<td>7 410 00</td>
</tr>
<tr>
<td>1,700 fiberglass chairs, stacking and gauging, with steel frame for the arena area of the new Assembly Hall</td>
<td>Assembly Hall</td>
<td>The Howell Co., St. Charles</td>
<td>17 408 00</td>
</tr>
<tr>
<td>Electronic instruments consisting of three x-y oscilloscopes, two time base generator units, and three wide-band high gain pre-amplifiers, to be used for advanced laboratory work and research</td>
<td>Engineering, Undergraduate Division</td>
<td>Tektronix, Inc., Beaverton, Ore.</td>
<td>3 983 00</td>
</tr>
<tr>
<td>One hydraulic feed surface grinder and accessories</td>
<td>Physiology, College of Medicine</td>
<td>Norman Machinery Co., Chicago</td>
<td>6 329 00</td>
</tr>
<tr>
<td>One contour vertical band saw and accessories</td>
<td>Physiology, College of Medicine</td>
<td>Do-All Midwest Co., Chicago</td>
<td>3 850 65</td>
</tr>
<tr>
<td>One number two horizontal milling machine and accessories, less trade-in of one Heal Model LAT horizontal mill with vertical attachment</td>
<td>Physiology, College of Medicine</td>
<td>Kearney &amp; Trecker Corp., Milwaukee, Wis.</td>
<td>14 623 00</td>
</tr>
<tr>
<td>One plastics injection press and accessories to be used for the manufacture of plastic parts in the Physiology Instrument Shop</td>
<td>Physiology, College of Medicine</td>
<td>Newbury Industries, Inc., Newbury, Ohio</td>
<td>3 632 60</td>
</tr>
<tr>
<td>One three-dimensional milling and engraving machine and accessories to be used to engrave and duplicate small metal and plastic parts</td>
<td>Physiology, College of Medicine</td>
<td>Marshall &amp; Huschart Machinery Co., Chicago</td>
<td>6 099 50</td>
</tr>
<tr>
<td>One six-channel curvilinear oscillograph to be used in the study of the inner ear</td>
<td>Otolaryngology, College of Medicine</td>
<td>Pivan Engineering Co., Chicago</td>
<td>3 445 00</td>
</tr>
<tr>
<td>One lot of polygraph components consisting of: Four 6-channel consoles Sixteen oscillographs Sixteen driver amplifiers Eight EKG preamplifiers Eight low level preamplifiers Four signal markers One selector panel Two transducers</td>
<td>Pharmacology, College of Medicine</td>
<td>Grass Instrument Co., Quincy, Mass.</td>
<td>12 572 00</td>
</tr>
<tr>
<td>Four FM record amplifiers Three FM playback amplifiers One direct record amplifier One direct playback amplifier To be incorporated into the Psychiatry Department’s existing tape transport which is used in psycho-physiological research on infants</td>
<td>Psychiatry, College of Medicine</td>
<td>Precision Instrument Co., San Carlos, Calif.</td>
<td>3 645 00</td>
</tr>
<tr>
<td>504 bottles lipomul L.V., 500 cc., a high carbohydrate nutritional supplement used in the intravenous feeding of patients; this is an estimated six-month supply</td>
<td>Pharmacy Stores, Chicago</td>
<td>The Upjohn Co., Chicago</td>
<td>2 889 43</td>
</tr>
<tr>
<td>46 electrical panel boards</td>
<td>Physical Plant, Chicago</td>
<td>Cregier Electrical Manufacturing Co., Chicago</td>
<td>5 775 00</td>
</tr>
</tbody>
</table>
### BOARD OF TRUSTEES

[December 19]

**Item**
- 500 dozen bath towels, 20 in. x 40 in.
- white terry weave material, 500 dozen wash cloths, 11 in. by 11 in., white terry weave, 7½ ounce material.

**Department**
- Physical Plant, Chicago

**Vendor**
- Karoll’s, Inc., Chicago

**Cost**
- $2,822.50 delivered

One lot of electrical supplies as follows:
- 100 panelboards
- 1,400 circuit breakers
- 100 switch units
- 1,000 feet of conduit
- 25 elbows
- 100 couplings
- 200 lock nuts
- 200 connectors
- 5,000 feet of wire
- 500 receptacles
- 200 bushings

On motion of Mr. Wilkins, these purchases were authorized.

## COMPTROLLER’S REPORT OF CONTRACTS

(29) The Comptroller’s report of contracts executed during the period November 1 to 30, 1962.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>The American Iron &amp; Steel Institute</td>
<td>Control of cracking in concrete reinforced with high strength steel bars</td>
<td>$7,000.00</td>
<td>October 17, 1962</td>
</tr>
<tr>
<td>The Pillsbury Co.</td>
<td>Water activity characteristics of cake-mix ingredients on the performance of cake mixes</td>
<td>$5,900.00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR 8-63</td>
<td>Semantic and syntactic properties of many-valued and morphogrammatic systems of logic</td>
<td>$20,531.00</td>
<td>October 2, 1962</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR 69-63</td>
<td>Negotiation and decision-making in complex organizations</td>
<td>$16,347.00</td>
<td>October 1, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 33(657) 8738</td>
<td>Solid film lubricant-binder phenomena</td>
<td>$35,000.00</td>
<td>November 1, 1962</td>
</tr>
<tr>
<td>United States Navy NObs-88056</td>
<td>Fatigue studies on plain plate or welded plate specimens</td>
<td>$56,810.00</td>
<td>August 15, 1962</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$11,588.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Deere Co.</td>
<td>Rental of farm machinery: two furrow two-way plow and power lift tractor with optional equipment</td>
<td>$48.57</td>
<td>July 1, 1962</td>
</tr>
<tr>
<td>Eversman Manufacturing Co.</td>
<td>Rental of farm machinery: one scraper, one leveler, and one ditcher with attachments</td>
<td>$228.60</td>
<td>October 15, 1962</td>
</tr>
<tr>
<td>International Business Machines Corp.</td>
<td>Four key punches, one card punch, one verifier</td>
<td>$2,191.20</td>
<td>October and November, 1962</td>
</tr>
<tr>
<td>International Harvester Co.</td>
<td>Rental of farm machinery, twelve items: $35.15 to $1,413.21</td>
<td>$5,098.52</td>
<td>June, July, and August, 1962</td>
</tr>
<tr>
<td>MacCarthy Ford Tractor Sales, Inc.</td>
<td>Rental of farm machinery, five items: $88.00 to $670.00</td>
<td>$1,237.97</td>
<td>October 15, 1962</td>
</tr>
<tr>
<td>Massey-Ferguson, Inc.</td>
<td>Rental of farm machinery: one corn combine</td>
<td>$541.06</td>
<td>October 15, 1962</td>
</tr>
<tr>
<td>National Warm Air Heating and Air Conditioning Association</td>
<td>Rental of 1014 Lincolnshire Drive, Champaign (September 1, 1962, to June 30, 1963)</td>
<td>$2,500.00 (for ten months)</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$11,845.92</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isotopes, Inc.—sub—contract under contract number AT(11-1) 1199</td>
<td>Study of rainout of radioactivity in Illinois</td>
<td>$14,935.00</td>
<td>August 30, 1962</td>
</tr>
</tbody>
</table>
WITH WHOM

Amount to be Paid to the University Effective Date

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Steel Corp.</td>
<td>Fatigue behavior of welded joints in N-A-Xtra high-strength steels</td>
<td>$28,000.00</td>
<td>November 8, 1962</td>
</tr>
<tr>
<td>Tee-Pak Foundation</td>
<td>Various types of films as retardants to deterioration of meat and meat products</td>
<td>$4,300.00</td>
<td>September 19, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 29 (601) 2876</td>
<td>Effects of dynamic loads on soils and buried structures</td>
<td>$12,727.00</td>
<td>September 13, 1962</td>
</tr>
<tr>
<td>United States Army DA-49-007-MD-544</td>
<td>Nutritive value of major nutrients of irradiated food</td>
<td>$30,740.00</td>
<td>October 31, 1962</td>
</tr>
<tr>
<td>United States Army DA-49-146-Z-023</td>
<td>Feasibility of designing and building a soil loading system</td>
<td>$4,156.92</td>
<td>September 21, 1962</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2212</td>
<td>Antiradiation drugs</td>
<td>$566.00</td>
<td>October 17, 1962</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1)-790</td>
<td>Ribonucleic acid in the accumulation of ions by plant cells</td>
<td>$21,373.00</td>
<td>November 1, 1962</td>
</tr>
<tr>
<td>United States Navy Nonr-1834(15)</td>
<td>Design and development of selected computer components</td>
<td>$10,000.00</td>
<td>July 31, 1962</td>
</tr>
<tr>
<td>United States Navy Nonr-1834(22)</td>
<td>Radio astronomy</td>
<td>$100,000.00</td>
<td>August 1, 1962</td>
</tr>
<tr>
<td>United States Navy Nonr-1834(26)</td>
<td>Plastic deformation of solids</td>
<td>$20,500.00</td>
<td>August 31, 1962</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$232,362.92</strong></td>
<td></td>
</tr>
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</table>

ADJUSTMENTS MADE IN 1961-62 COST-PLUS CONTRACTS

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. C. Drewitch (Plastering)</td>
<td>Two items: $25.00 deduct to $1,015.35</td>
<td></td>
<td>September and November, 1962</td>
</tr>
</tbody>
</table>

ADJUSTMENTS MADE IN 1962-63 COST-PLUS CONTRACTS

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry F. Fisher (Plastering)</td>
<td>Thirty-six items: $68.22 deduct to $2,476.68</td>
<td></td>
<td>September, October, and November, 1962</td>
</tr>
</tbody>
</table>

This report was received for record.

REPORT OF GIFTS AND FUNDS RECEIVED FROM OUTSIDE SOURCES

Following is a report of gifts, grants, and contract funds received by the University during the fiscal year July 1, 1961, through June 30, 1962. This report includes funds from private donors and funds received from governmental agencies and covers all payments received during the fiscal year. A period of several months may elapse between the time an offer is received and accepted and final payment is made, which will account for the listing here of some gifts of funds, such as for scholarships and fellowships, for the academic year 1961-62 and others for 1962-63.

A number of these grants and gifts were previously reported to the Board when the offers were received, and likewise the Comptroller's monthly reports have included numerous research contracts for which funds had not been received at the time of reporting. These funds are being included here in order to present a complete report of all funds received from outside sources during the fiscal period 1961-62.

The contracts have all been properly executed by the Secretary and the Comptroller of the Board. All gifts and grants reported have been accepted and duly acknowledged by the President or other appropriate University officer with an expression of appreciation on behalf of the University and the Board of Trustees.

COLLEGES AND SCHOOLS AT URBANA-CHAMPAIGN

UNDERGRADUATE SCHOLARSHIPS

1. Alcoa Foundation, Pittsburgh, Pennsylvania: scholarships in ceramic engineering ($625); in mining, metallurgy, and petroleum engineering ($625); and in civil engineering ($625)......$1,875.00
2. Robert Allerton, Koloa, Kauai, Hawaii: for the Allerton American Traveling Scholarships in architecture, 1962-63.................. 1 000 00
3. Allstate Foundation, Skokie: scholarships for extramural classes for driver education teachers conducted by the Division of University Extension........................................ 3 000 00
5. American Society for Metals Foundation for Education and Research: scholarship in metallurgical engineering, 1961-62... 500 00
6. Archer-Daniels-Midland Foundation, Minneapolis, Minnesota: scholarship in chemistry and chemical engineering, 1961-62... 500 00
8. Barber-Colman Foundation, Rockford: scholarships in engineering, 1961-62........................................... 2 050 00
9. Bay State Abrasive Products Company, Westboro, Massachusetts: scholarships in ceramic engineering.................................. 1 000 00
11. Campus Chest, University of Illinois undergraduate fundraising organization: scholarships, 1962-63........... 3 746 36
12. Ceco Steel Products Corporation, Chicago: scholarship in engineering, 1962-63........................................... 1 000 00
13. Chemstrand Company, a Division of Monsanto Chemical Company, New York, New York: scholarship in chemical engineering, 1962-63........................................... 1 000 00
16. Corn Products Company, New York, New York: scholarships in engineering and physical science.................. 1 500 00
17. Dads Association, University of Illinois: scholarships, 1961-62 2 040 00
18. Edmund Deuss, Chicago: for the Raymond Torr Memorial Scholarship in Journalism fund........................................ 100 00
20. Douglas Aircraft Company, Inc., Santa Monica, California: scholarship in aeronautical or electrical engineering, 1962-63... 750 00
21. Dow Chemical Company, Midland, Michigan: scholarship in mining, metallurgy, and petroleum engineering........ 500 00
23. Russell F. Duncan, Berea, Ohio: scholarship in engineering.......... 250 00
25. Federal Land Bank of St. Louis and various Federal Land Bank Associations in Illinois: two scholarships in agriculture ($500 each), 1962-63.................. 1 000 00
26. Ferro Corporation, Cleveland, Ohio: scholarships in ceramic engineering........................................... 500 00
27. Foundry Educational Foundation, Cleveland, Ohio: scholarship in mechanical engineering, 1961-62.................. 1 000 00
29. General Motors Corporation, Detroit, Michigan: twenty scholarships, 1961-62........................................... 14 200 00
30. Globe-Union Foundation: scholarships in ceramic engineering 500 00
31. A. P. Green Fire Brick Company, Mexico, Missouri: scholarships in ceramic engineering........................................... 500 00
33. Estate of Dr. Charles P. Howard of Champaign: an endowment to establish the Dr. Hartwell C. Howard Memorial Fund, the income to be used to aid premedical and predental students (the bequest of this estate was reported to the Board of Trustees on February 21, 1962, and rules governing use of the income from the endowment for scholarships for premedical and predental students were approved by the Board of Trustees on July 18, 1962).

34. Illinois Association of Insurance Agents, Springfield: for the G. A. Mayon Memorial Scholarship for students who are planning careers in the field of general insurance, 1961-62.


37. Illinois Federation of Women's Clubs: scholarships in occupational therapy ($600); scholarship in the education of teachers of mentally retarded children ($632).

38. Illinois Mining Institute: scholarships in mining engineering.


40. Illinois State Federation of Labor and Congress of Industrial Organizations: two scholarships ($500 each), 1962-63.


42. Junior Women's Advertising Club of Chicago: scholarships in journalism.


44. Mrs. Eugene Koch, Peoria: for the Linsley F. Ter Bush Memorial Scholarship.

45. Kroger Company, Cincinnati, Ohio: six scholarships, three in agriculture and three in home economics.

46. Captain James M. Lane, Charlottesville, Virginia, former Professor of Naval Science at the University of Illinois: scholarship.


49. Men's Residence Halls Association of the University of Illinois: for the Calvin S. Sifferd—MRHA Scholarship.


53. Mothers Association, University of Illinois: scholarships.

54. Motorola, Inc., Franklin Park: scholarships in art and industrial design.


56. National Merit Scholarship Corporation: scholarships, 1962-63. These are supplemental grants from sponsors of National Merit Scholarships in recognition of National Merit Scholars enrolled at the University of Illinois but are for scholarship aid to students who were not Merit Scholars.

58. Nonacademic Employees Council, University of Illinois, Urbana: scholarship for a son or daughter of a nonacademic employee at Urbana ........................................... 440 00
59. Old Ben Coal Corporation, Chicago: scholarships in mining engineering, 1961-62 .................................................. 1 000 00
60. Owens-Corning Fiberglas Corporation, Toledo, Ohio: scholarships in engineering ................................................. 1 000 00
61. Owens-Illinois Glass Company, Toledo, Ohio: scholarships in engineering ......................................................... 2 450 00
63. Perine Development Corporation, Indianapolis, Indiana: scholarship for a student in the residential development option of the land economics curriculum in the College of Commerce and Business Administration ................................................. 500 00
64. Estate of Helen Korte Phelps: three scholarships ($250 each), known as the Korte Scholarships, second semester, 1961-62 .............................................................. 750 00
65. Physical Education for Women Alumnae Association: an endowment to establish a scholarship fund for students enrolled in the physical education for women curriculum ........................................ 1 000 00
67. Production Credit Association: three scholarships in agriculture ($150 each), 1962-63 .................................................. 450 00
68. Ralston Purina Company, St. Louis, Missouri: scholarship in agriculture, 1961-62 ..................................................... 500 00
69. Scully-Jones Foundation, Chicago: scholarship in mechanical and industrial engineering, 1961-62 ................................................. 300 00
70. Sears-Roebuck Foundation, Chicago: scholarships in agriculture and home economics, 1961-62 .................................................. 5 100 00
73. Stauffer Chemical Company, Victor Chemical Works Division, Chicago: three scholarships in chemistry in memory of the late August Kochs, founder of the Victor Chemical Works ... 3 000 00
74. Student Organizations Executive Board, University of Illinois: scholarships, 1962-63 ............................................................ 2 500 00
76. Trane Company, LaCrosse, Wisconsin: scholarships for seniors in mechanical engineering .................................................. 1 500 00
77. Union Carbide Educational Fund, New York, New York: scholarships ................................................................. 1 495 00
78. United States Rubber Company Foundation, New York, New York: scholarship, 1962-63 .................................................. 1 400 00
79. Universal Oil Products Company, Des Plaines: scholarships in chemical engineering, 1962-63 ........................................... 1 500 00
80. Various donors: to the Undergraduate Scholarship Fund ................................................................. $ 115 00
J. D. Carrier ................................................................. $ 10 00
Josephine Dennis, Chicago .................................................. 5 00
James Vedder ................................................................. 100 00
81. Western Electric Company, Chicago: scholarships in engineering, 1961-62 ................................................................. 1 200 00
82. Westinghouse Electric Corporation, Baltimore, Maryland: for the Westinghouse Air Arm Scholarships, 1961-62 ........ 1 500 00
84. Zeta Tau Alpha Foundation, Evanston: for the Shirley K. Strout Scholarship in journalism, 1962-63 .................. 250 00

Total, Undergraduate Scholarships ........................................ $ 305 614 13
### Miscellaneous Awards and Financial Aids to Students

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>85.</td>
<td>Alschuler Philanthropic Fund, Inc., Chicago: to the Department of Architecture for a student award</td>
<td>$2500</td>
</tr>
<tr>
<td>86.</td>
<td>American Society for Metals, Chicago: to the Department of Mining, Metallurgy, and Petroleum Engineering for student aid</td>
<td>$100000</td>
</tr>
<tr>
<td>87.</td>
<td>Bradley and Bradley, Inc., Rockford: to the Department of Architecture for student awards</td>
<td>$200000</td>
</tr>
<tr>
<td>88.</td>
<td>Deeter and Ritchey, Architects, Pittsburgh, Pennsylvania: traveling expense award for a student in architecture</td>
<td>$500000</td>
</tr>
<tr>
<td>89.</td>
<td>Eugene Falk, Minneapolis, Minnesota: to the Department of French to add to funds to assist outstanding students in their studies of French</td>
<td>$20000</td>
</tr>
<tr>
<td>90.</td>
<td>Kivett and Myers and McCallum, Kansas City, Missouri: to the Department of Architecture for a student award</td>
<td>$200000</td>
</tr>
<tr>
<td>92.</td>
<td>John Wiley and Sons, Inc., New York, New York: for the Fred B. Seely Award in Engineering (Mr. Seely is a retired Professor of Theoretical and Applied Mechanics)</td>
<td>$100000</td>
</tr>
<tr>
<td>93.</td>
<td>Contributions received by the Dean of Women from numerous donors to the Women Students' Aid Fund</td>
<td>$581290</td>
</tr>
</tbody>
</table>

**Total, Miscellaneous Awards and Financial Aids to Students**: $745790

### Student Loans

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>94.</td>
<td>Alpha Phi Omega, an honorary service organization: for the Alpha Phi Omega Student Loan Fund</td>
<td>$75000</td>
</tr>
<tr>
<td>95.</td>
<td>DuPage County Health Improvement Association, Wheaton: loan fund for students in the health education curriculum</td>
<td>$100000</td>
</tr>
<tr>
<td>96.</td>
<td>Dr. and Mrs. Arthur L. Ennis, Decatur: for the Dr. and Mrs. Arthur L. Ennis Student Loan Fund</td>
<td>$55000</td>
</tr>
<tr>
<td>98.</td>
<td>Illinois Society of Professional Engineers, Capital Chapter, Springfield: for the LeSueur H. Hendrick Memorial Fund for loans to junior and senior students in engineering</td>
<td>$50000</td>
</tr>
<tr>
<td>99.</td>
<td>Koppers Company, Inc., Pittsburgh, Pennsylvania: to add to the Koppers Student Loan Fund</td>
<td>$50000</td>
</tr>
<tr>
<td>100.</td>
<td>Henry Strong Educational Foundation, Chicago: to add to the long-term student loan funds</td>
<td>$30000</td>
</tr>
<tr>
<td>101.</td>
<td>Tau Delta Tau: to add to the student short-term loan fund</td>
<td>$15000</td>
</tr>
<tr>
<td>103.</td>
<td>United States Department of Health, Education, and Welfare under the National Defense Education Act: for student loans for all campuses</td>
<td>$2500000</td>
</tr>
<tr>
<td>104.</td>
<td>Various fraternity alumni: for the Fraternity Alumni Emergency Loan Fund</td>
<td>$525000</td>
</tr>
</tbody>
</table>

**Total, Student Loans**: $3573400

### Funds for Graduate Fellowships and Research

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>105.</td>
<td>Abbott Laboratories, North Chicago: Roger Adams Fellowship in organic chemistry, 1961-62 ($3000), and 1962-63 ($3400)</td>
<td>$640000</td>
</tr>
<tr>
<td>106.</td>
<td>Allied Chemical Corporation, Nitrogen and Plastics Divisions, Hopewell, Virginia: two fellowships in the Department of Chemistry and Chemical Engineering, 1961-62</td>
<td>$601303</td>
</tr>
<tr>
<td>108.</td>
<td>Armco Steel Corporation, Middletown, Ohio: fellowship in ceramic engineering, 1961-62</td>
<td>$220000</td>
</tr>
</tbody>
</table>
111. Campbell Soup Company, Camden, New Jersey: fellowships in food technology ($3,500) and in plant sciences ($3,500), 1961-62. .......................................................... 7,000.00
112. Collins Radio Company, Cedar Rapids, Iowa: fellowship in electrical engineering, 1961-62. .......................................................... 2,000.00
113. Continental Oil Company, Ponca City, Oklahoma: fellowship in mathematics, 1961-62. .......................................................... 3,000.00
114. Corning Glass Works Foundation, Corning, New York: four fellowships, summer 1962 ($500 each plus $495 tuition and fees and $1,000 for departmental expenses) .................................................. 3,495.00
115. Dow Chemical Company, Midland, Michigan: fellowships in chemistry ($2,750) and in chemical engineering ($2,750), 1962-63. .......................................................... 5,500.00
116. E. I. du Pont de Nemours and Company, Wilmington, Delaware: postgraduate teaching assistantship in chemistry, 1962-63. .......................................................... 1,700.00
117. Eastman Kodak Company, Rochester, New York: fellowship in engineering ($1,520), in chemistry ($1,000), and in physics ($1,000), 1961-62. .......................................................... 3,520.00
118. Esso Research and Engineering Company, Linden, New Jersey: fellowship in chemistry, 1961-62. .......................................................... 3,630.00
120. Firestone Tire and Rubber Company, Akron, Ohio: fellowship in chemistry, 1961-62. .......................................................... 2,080.00
121. Ford Foundation, New York, New York: fellowships as part of the Foundation's Experimental Engineering Faculty Recruitment and Development Program which includes funds for predoctoral fellowships and loans .......................................................... 106,000.00
122. General Dynamics Corporation, General Atomic Division, San Diego, California: fellowship in physics, 1962-63. .......................................................... 4,000.00
123. General Electric Foundation, Ossining, New York: fellowships in chemistry ($3,080), in physics ($2,730), in electrical engineering ($2,730), and in accountancy ($5,000). .......................................................... 13,510.00
126. Grolier Foundation, Inc., New York, New York: the Grolier-Americana award for a graduate student in library science, 1962-63. .......................................................... 1,000.00
127. Inland Steel-Ryerson Foundation, Inc., Chicago: fellowship in mining and metallurgical engineering, 1961-62. .......................................................... 3,600.00
129. Johnson and Johnson, New Brunswick, New Jersey: Roger Adams Fellowship in organic chemistry, 1962-63. .......................................................... 3,400.00
130. Jones and Laughlin Steel Corporation, Pittsburgh, Pennsylvania: fellowship in metallurgical engineering, 1961-62. .......................................................... 2,600.00
131. Lead Industries Association, New York, New York: fellowships in ceramic engineering, 1961-62 and 1962-63. .......................................................... 6,000.00
132. Lilly Endowment, Inc., Indianapolis, Indiana: fellowships in economics. .......................................................... 6,000.00
133. Lubrizol Foundation, Cleveland, Ohio: fellowship in chemistry, 1962-63. .......................................................... 3,000.00
134. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: fellowships in chemistry, chemical engineering, and physics ($3,000 each), 1962-63. .......................................................... 9,000.00
135. Monsanto Chemical Company, St. Louis, Missouri: two fellowships, one each in chemistry and in chemical engineering, 1961-62


140. Procter and Gamble Company, Cincinnati, Ohio: fellowships in chemistry ($4,040) and in chemical engineering ($2,920), 1962-63

141. Pullman Foundation on behalf of the M. W. Kellogg Company, New York, New York: M. W. Kellogg Company Summer Fellowships in chemistry, summer 1962

142. Pure Milk Association, Chicago: Lauterbach Memorial Fellowship in food technology, 1961-62


144. Raymond Concrete Pile Company, New York, New York: A. E. Cummings Memorial Fellowship in civil engineering, 1961-62


146. Rohm and Haas Company, Philadelphia, Pennsylvania: fellowship in the Department of Chemistry and Chemical Engineering, 1961-62

147. Shell Fellowship Committee of the Shell Companies Foundation, Inc., New York, New York: fellowships in chemical engineering ($2,760) and in geology ($2,760), 1961-62


149. Alfred P. Sloan Foundation, New York, New York: fellowships for three first-year graduate students in engineering, 1961-62


151. Stauffer Chemical Company, Chicago: fellowship in chemistry and chemical engineering in memory of August Kochs, founder of the Victor Chemical Works, a Division of Stauffer Chemical Company

152. Sun Oil Company, Philadelphia, Pennsylvania: fellowships in chemical engineering ($3,370) and in chemistry ($3,530), 1961-62

153. Television Shares Management Corporation, Chicago: fellowship in electrical engineering to promote the development of new teachers in electronics, 1961-62


156. Parma Research Laboratory: fellowship in physics, 1961-62


158. Union Carbide Plastics Company: fellowship in chemistry

159. Union Carbide Metals Company: Fellowship in mining, metallurgy, and petroleum engineering
<table>
<thead>
<tr>
<th>Number</th>
<th>Donor Name</th>
<th>Institution/Department/Project</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>157</td>
<td>United States Rubber Company Foundation</td>
<td>fellowship in physical and engineering sciences, 1961-62</td>
<td>2,910 00</td>
</tr>
<tr>
<td>158</td>
<td>United States Steel Foundation, Inc.</td>
<td>fellowship in physics, 1961-62 and 1962-63</td>
<td>7,200 00</td>
</tr>
<tr>
<td>159</td>
<td>Universal Match Corporation</td>
<td>fellowship in chemistry and chemical engineering, 1961-62</td>
<td>2,500 00</td>
</tr>
<tr>
<td>160</td>
<td>Upjohn Company, Kalamazoo, Michigan</td>
<td>fellowship in microbiology, 1962-63</td>
<td>3,982 00</td>
</tr>
<tr>
<td>161</td>
<td>Various donors</td>
<td>fellowships in the Jane Addams Graduate School of Social Work</td>
<td>11,352 00</td>
</tr>
<tr>
<td></td>
<td>Gads Hill Center, Chicago</td>
<td>$1,800 00</td>
<td></td>
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<tr>
<td></td>
<td>Hull House Association, Chicago</td>
<td>$4,000 00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wieboldt Foundation, Chicago</td>
<td>$2,652 00</td>
<td></td>
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<tr>
<td></td>
<td>Woods Charitable Fund, Chicago</td>
<td>$900 00</td>
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<tr>
<td></td>
<td>Young Men's Jewish Council, Chicago</td>
<td>$1,800 00</td>
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<td>Young Women's Christian Association</td>
<td>$200 00</td>
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<tr>
<td>162</td>
<td>Woodrow Wilson National Fellowship Foundation</td>
<td>fifteen fellowships, 1961-62</td>
<td>30,000 00</td>
</tr>
<tr>
<td>163</td>
<td>Zeta Phi Eta</td>
<td>fellowship in speech</td>
<td>$663 00</td>
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<td>(383,515,03)</td>
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<tr>
<td>164</td>
<td>Abbott Laboratories, North Chicago</td>
<td>To the Department of Animal Science for studies in swine nutrition</td>
<td>$1,500 00</td>
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<td></td>
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<td>To the Department of Physiology for a study of calcium metabolism</td>
<td>$5,000 00</td>
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<td>To the Department of Physiology for a study of animal gastro-intestinal tract</td>
<td>$4,000 00</td>
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<td>To the Radiocarbon Laboratory for research</td>
<td>$2,400 00</td>
</tr>
<tr>
<td>165</td>
<td>Allied Chemical Corporation, Hopewell, Virginia</td>
<td>To the Department of Animal Science for a study on ruminant nutrition with particular regard to energy and nitrogen utilization</td>
<td>$3,000 00</td>
</tr>
<tr>
<td>166</td>
<td>American Bird Products, Inc., Chicago</td>
<td>to the Department of Veterinary Pathology and Hygiene for a study of epidemiology and control of psittacosis and psittacoid diseases</td>
<td>$2,000 00</td>
</tr>
<tr>
<td>167</td>
<td>American Cancer Society, Inc., New York</td>
<td>To the Department of Microbiology for studies on viruses</td>
<td>$19,572 00</td>
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<td>To the School of Life Sciences for a study of hemoproteins</td>
<td>$2,000 00</td>
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<td>To the Department of Botany for research</td>
<td>$950 00</td>
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<tr>
<td>168</td>
<td>American Chemical Products, Inc., Ambler, Pennsylvania</td>
<td>to the Department of Agronomy for studies on soybeans</td>
<td>$500 00</td>
</tr>
<tr>
<td>169</td>
<td>American Chemical Society, Washington, D.C.</td>
<td>To the Department of Chemistry and Chemical Engineering:</td>
<td>$79,450 00</td>
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<tr>
<td></td>
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<td>For a study of surface phenomena in phase contacting</td>
<td>$7,250 00</td>
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<td>For a study of catalysis in a stirred reactor</td>
<td>$4,350 00</td>
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<td>For a study of mechanisms of radical reactions</td>
<td>$6,200 00</td>
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<td>For a study of diffusion mechanism: molecules in solution</td>
<td>$6,450 00</td>
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<td>For nuclear magnetic and electron spin resonance studies of hydrocarbons</td>
<td>$12,900 00</td>
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<td>For a study of ferrocene derivatives</td>
<td>$8,000 00</td>
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<td>For research on petroleum</td>
<td>$15,000 00</td>
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<td>For studies on mechanisms of organic reactions</td>
<td>$6,300 00</td>
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<td>To the Department of Geology:</td>
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<td>For mineralogical and chemical studies of ancient sediments</td>
<td>$6,000 00</td>
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<td>For petrographic investigations of silurian reefs</td>
<td>$7,000 00</td>
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<tr>
<td>Number</td>
<td>Organization</td>
<td>Department/Field</td>
<td>Project Description</td>
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<tr>
<td>170.</td>
<td>American Cyanamid Company, Princeton, New Jersey</td>
<td>Agronomy</td>
<td>19621 For field experiments with phosphoric acid</td>
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<td></td>
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<td>Agronomy</td>
<td>291 For the State Natural History Survey for study on systemic insecticides for control of insects on wheat</td>
</tr>
<tr>
<td>171.</td>
<td>American Dairy Association</td>
<td>Food Technology</td>
<td>170. For a study of the relationship between dietary fat and composition of blood lipids</td>
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<tr>
<td></td>
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<td>Food Technology</td>
<td>24 For an investigation of the effects of butterfat and corn oil in relation to the development of atherosclerosis</td>
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<td>Food Technology</td>
<td>00 For a study of the relationship of milk protein to serum cholesterol levels</td>
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<td>173.</td>
<td>American Gas Association, New York, New York</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>173. For a study of the effects of alternating current on the corrosion of steels buried in soils</td>
</tr>
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<td>174.</td>
<td>American Heart Association</td>
<td>Food Technology</td>
<td>174. For a study of B-lipoprotein liability</td>
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<td>Theoretical and Applied Mechanics</td>
<td>175. For a study of behavior of high strength steel in columns</td>
</tr>
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<td>176.</td>
<td>American Oil Company</td>
<td>Agricultural Engineering</td>
<td>176. For a study on accelerated drying of farm grains</td>
</tr>
<tr>
<td>177.</td>
<td>American Petroleum Institute, New York, New York</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>177. For research on seismic energy paths in velocity logging</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>9 For research on drillability and the surface energy of solids</td>
</tr>
<tr>
<td>178.</td>
<td>American Psychological Association, Washington, D.C.</td>
<td>Communications Research</td>
<td>178. For a research project on information exchange among and connotations of psychological journals</td>
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<td>Mechanical and Industrial Engineering</td>
<td>179. For a study of safety with high temperature water systems</td>
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<td>Mechanical and Industrial Engineering</td>
<td>179. For a study of steam and condensate flow in pipes</td>
</tr>
<tr>
<td>180.</td>
<td>American Steel and Wire Company, Cleveland, Ohio</td>
<td>Theoretical and Applied Mechanics</td>
<td>180. For a study on behavior of deformed wire fabric in concrete</td>
</tr>
<tr>
<td>181.</td>
<td>Amsted Industries, Inc., Chicago</td>
<td>Mechanical and Industrial Engineering</td>
<td>181. For research in the field of cast metals education</td>
</tr>
<tr>
<td>182.</td>
<td>Archer-Daniels-Midland Foundation, Minneapolis, Minnesota</td>
<td>Food Technology</td>
<td>182. For studies on fats and oils</td>
</tr>
</tbody>
</table>
183. Armington Illinois Community Chest: to the Department of Food Technology for lipids research 392 16
184. Association of American Railroads: to the Department of Civil Engineering for a study of the performance of filter material in subdrains 2 800 00
185. Association of American Railroads and American Iron and Steel Institute: to the Department of Theoretical and Applied Mechanics for a study of the cause of failures in railroad rails in service 16 000 00
186. Armour Pharmaceutical Company 8 290 00
To the Department of Veterinary Physiology and Pharmacology for a study of pharmacological characterization of new drugs potentially useful in veterinary medicine with particular emphasis on drugs affecting the nervous system 6 440 00
To the Department of Health and Safety Education for a study of the effect of certain medications on the individual as to reaction time, steadiness, and visual acuity 1 850 00
187. Bear Hybrid Corn Company, Inc., Decatur: to the Department of Agronomy for corn research 5 000 00
188. Bendix Aviation Corporation, South Bend, Indiana: to the Department of Ceramic Engineering for a study of thermal diffusivity and elastic moduli of ceramic-metal combinations at elevated temperatures 26 276 25
189. California Chemical Company, Ortho Division, Richmond, California: to the Department of Plant Pathology for studies on control of diseases of turf grass 300 00
190. Carle Foundation, Urbana: to the Department of Physiology and Biophysics for a study of the contractile force of the heart muscle under varying situations of drug administration and myocardial ischemia 1 000 00
191. Carnegie Corporation of New York, New York: to the University High School 153 000 00
Development of a new elementary school arithmetic curriculum 71 300 00
Development of a new high school mathematics curriculum 81 700 00
192. Caterpillar Tractor Company, Peoria: to the Department of Civil Engineering for studies of the behavior of U-shaped structural members subjected to torsion and flexure 13 000 00
193. Ciba Pharmaceutical Products, Inc., Summit, New Jersey: to the Department of Physiology and Biophysics for a study of animal gastro-intestinal tract 4 000 00
194. Climax Molybdenum Company, New York, New York: to the Department of Agronomy for studies on trace elements 1 500 00
195. Columbia University, New York, New York (from a Sloan Foundation grant): to the Department of Chemistry and Chemical Engineering for research in physical chemistry 1 859 51
196. Commercial Solvents Corporation, Terre Haute, Indiana: to the Department of Animal Science 6 000 00
For a study on vitamins and growth factors in swine nutrition 3 000 00
For a study of destruction of vitamin A in the rumen 3 000 00
197. Consolidated Electrodynamics Corporation, Pasadena, California: to the Department of Ceramic Engineering for research in the area of hermetic seals and electrical properties of special glasses 5 500 00
198. Container Corporation of America, Chicago: to the Department of Agricultural Engineering for studies on storage of shelled corn 2 500 00
199. Corn Industries Research Foundation, Inc., Washington, D.C. ........................................ 26 827 00
To the Department of Agronomy for a study of the breeding and genetics of high oil corn. $12 827 00
To the Department of Home Economics for studies on behavior of starches in food products. 6 500 00
To the Department of Chemistry and Chemical Engineering for studies on metal complexes of starch. 7 500 00

200. Council of Ten and the University of Chicago; to the Department of Broadcasting for studies of institutional cooperation. 750 00

201. Crop-Hail Insurance Actuarial Association, Chicago; to the State Water Survey to study factors producing hailstorms in Illinois. 6 000 00

202. Dawe's Laboratories, Inc., Chicago; to the Department of Animal Science for a study on animal and poultry nutrition. 2 000 00

203. Diamond Alkali Company, Cleveland, Ohio; to the Department of Plant Pathology for studies on soil fungicides. 300 00

204. Dow Corning Corporation, Midland, Michigan; to the Department of Chemistry and Chemical Engineering for research. 500 00

205. E. I. du Pont de Nemours and Company Inc., Wilmington, Delaware. 25 000 00
To the Department of Chemistry and Chemical Engineering for research in chemistry ($13,000) $20 000 00
To the Department of Physics for research. 5 000 00

206. Eisner Food Stores, Champaign; to the Department of Marketing for research. 500 00

207. Engineering Foundation, New York, New York; to the Department of Civil Engineering for a study of structural joints — riveted and bolted. 26 395 00

208. Ford Foundation, New York, New York. 112 118 73
To the Bureau of Economic and Business Research for the savings research project of the Inter-University Committee for Research on Consumer Behavior. $12 500 00
To the Department of Sociology for the systematic development of new concepts and practices of delinquency prevention. 2 500 00
To the Department of Sociology for expansion of a study of the effectiveness of the federal correctional system and dissemination of its findings to interested professionals in the fields of criminal law and corrections. 22 500 00
To the Office of Community Development for a project to help define the University's role in meeting urban problems and to develop a training program for services to Illinois' rapidly urbanizing communities (a partial payment of a total grant of $125,000). 60 000 00
To the Department of Electrical Engineering for research in the behavioral sciences. 1 178 73
To the University Press to stimulate scholarly publication in the humanities and social sciences. 13 440 00

209. Ford Motor Company, Dearborn, Michigan; to the Department of Animal Science for research into factors affecting the immunological response of the pig. 2 000 00

210. Foundry Educational Foundation, Cleveland, Ohio; to the Department of Mechanical and Industrial Engineering for research. 250 00
211. Geigy Chemical Corporation, Ardsley, New York: to the Department of Veterinary Pathology and Hygiene for a study of canine dermatitis........................................... 525 00

212. General Electric Foundation, Ossining, New York: to the Department of Mathematics for research.......................................................... 5 000 00

213. General Motors Corporation: to the Departments of Electrical Engineering and Theoretical and Applied Mechanics ($500 each) for research.................................................. 1 000 00

214. Goodyear Aircraft Corporation, Akron, Ohio: to the Department of Ceramic Engineering for research.................................................. 7 486 69

215. Granite City Steel Company, Granite City, Illinois: to the Department of Agricultural Engineering for studies on optimum environmental conditions for the growth of swine...... 2 500 00

216. Gregory Industries, Inc., Lorain, Ohio: to the Department of Civil Engineering for a study of welded studs............................... 6 000 00

217. Griffin Wheel Company, Chicago.................................................. 38 000 00

To the Department of Ceramic Engineering for a study of steel casting refractories...........................................$22 500 00

To the Department of Theoretical and Applied Mechanics for a study of cast steel railway car wheels .................................................. 15 500 00

218. Grolier Foundation, Inc.: to the College of Education for a study of high school reading interests.......................... 6 499 66

219. Hercules Powder Company, Inc., Wilmington, Delaware: to the Department of Chemistry and Chemical Engineering for fundamental research.................................................. 2 500 00

220. Human Ecology Fund, New York, New York: to the Institute of Communications Research for a study of the cross-cultural generality of meaning systems.................................................. 77 720 20

221. Illinois Agricultural Association: to the Department of Food Technology for a study of the quality of dairy products.................................................. 1 000 00

222. Illinois Archaeological Survey: to the Department of Anthropology for preliminary site examination and preliminary testing and excavation.................................................. 1 091 05


224. Illinois Farm Bureau Serum Association, Bloomington: to the Department of Veterinary Pathology and Hygiene for studies on diagnostic tests for hog cholera........................................... 4 000 00

225. Illinois Farm Electrification Council: to the College of Agriculture for a study of rural electrification........................................... 15 390 00

Contributing corporations:

Association of Illinois Electric Cooperatives of Springfield..................................................$7 000 00

Central Illinois Electric and Gas Company........................................... 425 00

Central Illinois Light Company of Springfield........................................... 550 00

Central Illinois Public Service Company.................................................. 1 250 00

Commonwealth Edison Company of Chicago........................................... 3 500 00

Illinois Power Company.................................................. 2 450 00

Interstate Power Company.................................................. 5 700 00

Iowa-Illinois Gas and Electric Company........................................... 60 00

Mt. Carmel Public Utility Company.................................................. 60 00

Union Electric Company.................................................. 43 00

226. Illinois Farm Supply Company, Bloomington........................................... 7 400 00

To the Department of Dairy Science for studies on dairy cattle feeding and nutrition.................................................. $ 600 00

To the Department of Animal Science for studies of swine, poultry, and nutrition.................................................. 1 800 00

To the Department of Agricultural Engineering for a study on improvement of farm tractor maintenance.................................................. 5 000 00
227. Illinois Heart Association: to the Department of Food Technology for a study of the relationship of dietary components to cholesterol metabolism................................. 9 000 00
228. Illinois Liquid Fertilizer Association of Monticello: to the Department of Agronomy for studies of liquid and dry fertilizers .............................................................. 500 00
229. Illinois Seed Producers Association, Inc., Champaign.......
To the Department of Agronomy for corn research................... $7 500 00
To the Department of Plant Pathology for corn research...................... 2 500 00
230. Illinois Turfgrass Foundation, Inc., Lombard: to the Department of Horticulture for studies on turf grasses....... 1 400 00
231. Institute of Boiler and Radiator Manufacturers, New York, New York: to the Department of Mechanical and Industrial Engineering for a study of steam and water heating...... 39 600 00
232. Jersey Production Research Company, Tulsa, Oklahoma: to the Department of Mechanical and Industrial Engineering for machine design research........................................ 1 072 50
233. Kearney and Trecker Corp., Milwaukee, Wisconsin: to the Department of General Engineering for research....... 1 500 00
234. Charles F. Kettering Foundation, Hinsdale: to the Department of Chemistry and Chemical Engineering for the development and construction of apparatus for the measurement of the magnetic susceptibility of small samples over wide temperature ranges........................................... 12 500 00
235. Kretschmer Corporation, Carrollton, Michigan: to the Department of Physical Education for lIIcn for a study of the relative effects of wheat germ oil on physical performance tests................................. 1 250 00
236. Lawrenceville Garden Club, Lawrenceville, Illinois: to the Department of City Planning and Landscape Architecture for a central area study project............................ 2 400 00
237. Lilly Endowment, Inc., Indianapolis, Indiana: for research in the study of individual freedom................................. 34 000 00
238. Harry J. Loman Foundation, Bryn Mawr, Pennsylvania: to the Department of Finance for research in insurance education................................................................. 75 00
239. Malting Barley Improvement Association, Milwaukee, Wisconsin: to the Department of Agronomy for studies on barley variety tests............................................... 345 00
240. Merck and Company, Inc., Rahway, New Jersey: to the Department of Animal Science for a study on growth stimulants for swine................................................................. 3 000 00
241. William S. Merrell Company, Cincinnati, Ohio: to the Department of Marketing for research.......................... 600 00
242. Midwest Agricultural Limestone Institute, Kankakee: to the Department of Agronomy for studies on soil management research ................................................................. 500 00
243. Mrs. C. Philip Miller, Chicago: to the Department of Forestry for research.............................................................. 3 098 96
244. University of Minnesota, Minneapolis, Minnesota (from a grant from the Ford Foundation): to the Department of Mathematics for a study of mathematics for business......... 5 000 00
245. Monsanto Chemical Company, St. Louis, Missouri...........
To the Department of Agronomy for studies on herbicidal action of chemical compounds.................. $2 500 00
To the Department of Food Technology for studies on phosphates in milk................................. 1 600 00
To the Department of Agricultural Economics for studies on the economic use of fertilizers........ 1 500 00
246. Moorman Manufacturing Company, Quincy: to the Department of Animal Science. For a study of nutritional quality of pig starter rations. $2,600.00

247. Mark L. Morris Animal Foundation, Denver, Colorado: to the Department of Veterinary Clinical Medicine for a study of a urethral substitute for the canine and feline patient. 1,957.50

248. Morton Chemical Company, Woodstock: to the Department of Plant Pathology for studies on fungicides. 1,000.00

249. Mosinee Paper Mills Company, Mosinee, Wisconsin: to the Department of Agricultural Engineering for studies on mulching with paper. 1,000.00

250. Muscular Dystrophy Associations of America, Inc., New York, New York: to the Department of Animal Science for studies on metabolism of radioactive vitamin E in the rat. 4,305.58


252. National Distillers and Chemical Corporation, New York, New York: to the Department of Agronomy for studies of the requirements of different genetic lines of soybeans. 6,000.00

253. National Educational Television and Radio Center, New York, New York: to the Department of Mathematics for a study to determine use of film demonstration in teacher education in mathematics. 37,991.92

254. National Lead Company: to the Department of Chemistry and Chemical Engineering for research in titanium chemistry. 6,413.00

255. National Lime Association, Washington, D.C.: to the Department of Geology for a study by X-ray diffraction and other methods of the reactions in the clay mineral and other mineral components of various types of soils when treated with lime for the purpose of stabilization for road surfaces. 5,625.00

256. National Live Stock and Meat Board, Chicago: to the Department of Food Technology for studies on the biological utilization of fatty acid isomers. 8,500.00

257. National Roofing Contractors Association: to the Small Homes Council—Building Research Council for a study of roofing failures. 3,500.00

258. National Society for Crippled Children and Adults, Chicago: to the Division of Rehabilitation-Education Services for a study on the development of specifications for buildings and facilities to accommodate individuals in wheelchairs and others with severe forms of physical disability. 4,082.50

259. National Soybean Crop Improvement Council, Decatur, Indiana: to the Department of Agronomy for a study of soil fertility requirements of different genetic lines of soybeans. 7,000.00

260. National Steel Corporation, Weirton, West Virginia: to the Department of Civil Engineering for an evaluation of the fatigue behavior of welded joints in N-A-Xtra high-strength steels. 19,000.00

261. National Vitamin Foundation, Inc., New York, New York: to the Department of Animal Science for a study of vitamin E functions. $5,000.00

262. National Warm Air Heating and Air Conditioning Association, Cleveland, Ohio: to the Department of Mechanical and Industrial Engineering for studies of heating, ventilating, and air conditioning as related to warm-air furnace heating. 33,042.00
263. New Holland Machine Company, New Holland, Pennsylvania: to the Department of Agricultural Engineering for a study on rural electrification $2,000.00

264. Olin Mathieson Chemical Corporation, Little Rock, Arkansas: to the Department of Agronomy for a study to compare ammonium phosphates with other sources of phosphate in banded and broadcast applications for corn $750.00

265. Earl Osborn, New York, New York: to the Institute of Communications Research to assist in the publication of a monograph on psychological factors in war and peace $5,160.32

266. Pennsalt Chemicals Corporation, Aurora: to the Department of Plant Pathology for fruit research $750.00

267. Chas. Pfizer and Company, Inc., New York, New York: to the Department of Animal Science for a study to evaluate amino acids, unidentified growth factors, vitamins, and antibiotics in swine $2,500.00

268. Population Council, Inc., New York, New York: to the Department of Sociology for research $47,000.00

269. Portland Cement Association, Chicago: To the Department of Agricultural Engineering for studies on farm structures $2,000.00

270. To the Department of Civil Engineering for a study of the strength and deformation characteristics of reinforced concrete beam-column connections subjected to axial and transverse loads $45,000.00

271. Procter and Gamble Company, Cincinnati, Ohio: to the Department of Botany for a study of fatty alcohols to reduce transpiration and evaporation in plants $13,110.00

272. Quaker Oats Company, Chicago: to the Department of Agronomy for a study of oat hybrids $3,100.00

273. Reinforced Concrete Research Council: to the Department of Civil Engineering for research $7,500.00

274. Resources for the Future, Inc., Washington, D.C.: to the Bureau of Community Planning for an urban and regional survey $10,000.00

275. Rockefeller Foundation, New York, New York: To the Department of Agronomy for a study of polyploids in maize $3,724.18

276. To the Bureau of Economic and Business Research for a study of government subsidies in countries in Western Europe and their influence on economic growth and stability $2,850.00

277. To the Department of Entomology for research $19,712.77

278. Rohm and Haas Company, Philadelphia, Pennsylvania: To the Department of Agronomy for studies on herbicidal field testing $1,350.00

279. To the Department of Plant Pathology for studies on turf disease $300.00

280. To the Department of Plant Pathology for studies of field testing fungicides $750.00

281. Shaw Process Development Corporation, Port Washington, New York: to the Department of Mechanical and Industrial Engineering for foundry research $4,279.90

282. Shell Chemical Corporation: to the State Natural History Survey for research on insecticides $2,500.00

283. Alfred P. Sloan Foundation, Inc., New York, New York: To the Department of Chemistry and Chemical Engineering for research $56,280.00

284. To the Department of Physics for research $18,975.00

285. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: to the Health Service for anti-viral chemotherapy research $1,500.00
280. Socony Mobil Oil Company, Inc., Paulsboro, New Jersey: to the Department of Chemistry and Chemical Engineering for research on metal coordination of complexes............ 4 000 00

281. Sonic Research Foundation, Chicago: to the Department of Electrical Engineering for acoustics research........... 1 000 00

282. State University of Iowa, Iowa City, Iowa: to the Department of Electrical Engineering for ultrasonic research project ................................................... 10 500 00

283. Stauffer Chemical Company, San Francisco, California: to the Department of Agronomy for studies on herbicides...... 800 00

284. Tee-Pak Foundation: to the Department of Food Technology for a study on various types of films as retardants to deterioration of meat and meat products........... 3 500 00

285. Telecomputing Corporation, Los Angeles, California: to the Department of Ceramic Engineering for a study of metal pyrophosphates ........................................ 3 250 00

286. Texaco, Inc., New York, New York: to the Department of Agricultural Engineering for a study on methods and machines for more efficient application of anhydrous ammonia, aqua ammonia, and slurries of dry and liquid nutrients.... 3 500 00

287. Union Carbide Corporation, New York, New York: to the Departments of Chemistry and Chemical Engineering, Electrical Engineering, and Mechanical and Industrial Engineering for research.................................... 700 00

288. United States Steel Corporation, Pittsburgh, Pennsylvania: to the Department of Agricultural Economics for a study of the determination, tabulation, and critical analysis of existing barriers to the marketing of sterile concentrated milk .................................................... 10 000 00

To the Department of Chemistry and Chemical Engineering for research................ $2 000 00
To the Department of Plant Pathology for studies on new antibiotics.................. 8 000 00
To the Radiocarbon Laboratory for a study of radioactive hydrogen in organic chemistry... 2 000 00

290. Various donors: to the Department of Civil Engineering for a study of lime-pozzolon mixtures of soils ................. 17 375 00
Burrill Construction and Supply, New Kensington, Pennsylvania .................. $1 000 00
Connecticut Light and Power Company, Berlin, Connecticut ...................... 3 000 00
G. and W. H. Corson, Plymouth Meeting, Pennsylvania ...................... 3 875 00
National Lime Association, Washington, D.C. ............................... 7 500 00
Philadelphia Electric Company, Philadelphia, Pennsylvania ...................... 2 000 00

291. Various donors: to the University High School to continue a study on nonverbal awareness................................................ $1 375 00
American Museum of Natural History, New York, New York ..................... $200 00
Hamilton College, Clinton, New York ...... 175 00
Melvin Pfaelzer .................................................. 300 00
Gertrude Hendrix, Urbana ...................... 700 00

292. Velsicol Chemical Corporation, Chicago.......................... 7 000 00
To the Department of Zoology for research on the toxicology of insecticides.................. $5 000 00
To the State Natural History Survey for a study of residues in meat and milk.............. 2 000 00
To the Department of Animal Science:
For a study of fishmeal and fishmeal products in swine nutrition $1,700.00
For a study of proteins and fats 400.00
To the Department of Physical Education for Men
for a study of the value of wheat germ oil in physical fitness programs 4,400.00

To the Department of Animal Science for a study on the nutritive properties of dried distillers’ solubles in swine nutrition 760.00

Washington University, St. Louis, Missouri (from a grant from the Ford Foundation): to the Institute of Labor and Industrial Relations for a study of public and private job placement of middle-aged and older workers 3,025.00

Welding Research Council: to the Department of Civil Engineering for an investigation of welding procedures 10,000.00

Wisconsin-Minnesota Cooperative Bull Stud Group, Shawano, Wisconsin: to the Department of Dairy Science for a study of the effect of aging on the nuclear material of bovine spermatozoa 3,220.00

Total, Funds for Graduate Fellowships and Research $1,823,878.80

Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified

American Mathematical Society: to the Department of Mathematics for publication of a journal of mathematics (also financed in part by assignments from the George A. Miller Endowment) $1,200.00

Babcock and Wilcox Company, New York, New York: to the College of Engineering for engineering and technical education 1,400.00

Alfred Benesch and Company, Chicago: an unrestricted gift to the Department of Civil Engineering, in memory of the late V. M. Romine, an alumnus of the University of Illinois and formerly engineer of Bridge and Traffic Structures for the Illinois Division of Highways 2,000.00

California Company, New Orleans, Louisiana: an unrestricted grant to the Department of Geology 500.00

Champaign County Health Improvement Association, Champaign: to the Department of Speech and Theatre for the purchase of a tape recorder for the Speech and Hearing Clinic 149.21

Chicago Bridge and Iron Foundation, Chicago: an assistantship in civil engineering, 1961-62 7,000.00

Chicago 4-H Association: to the College of Agriculture for urban 4-H Club work 4,000.00

Continental Can Company, Inc., New York, New York: an unrestricted grant to the College of Engineering 500.00

Ford Foundation, New York, New York: for the participation of the Cooperative Extension Service in Agriculture and Home Economics in an educational program relating to public affairs and public responsibilities 6,500.00

Ford Motor Company, Dearborn, Michigan: to the Department of Mechanical and Industrial Engineering for development of laboratory facilities 10,000.00

Illinois Savings and Loan League, Springfield: to the Department of Finance for a Financial Institutions Seminar 1,468.08

Illinois State Academy of Science: to the Physical Plant Department for expenses in connection with the Junior Academy of Science Exposition held on the University of Illinois campus 4,700.00
310. Illinois State Florist Association: to the Department of Horticulture for the purchase of research equipment........ 2 500 00
311. Institute of Life Insurance, New York, New York: to the College of Education for a summer workshop on education in family finance.................................................. 3 250 00
312. International Business Machines Corporation: to the Digital Computer Laboratory for support of computer oriented education (this is partial payment of a total grant of $125,000) 50 000 00
313. Inter-University Committee on Travel Grants: for travel expenses for members of the faculty in connection with their participation in the program of exchange of graduate students and young faculty members with the Soviet Union... 3 402 00
314. Kappa Tau Alpha, national honorary society in journalism: for expenses for an annual journalism banquet (to be added to the endowment fund established for this purpose).......... 505 00
315. Charles F. Kettering Foundation, Hinsdale: to the Department of Chemistry and Chemical Engineering for a Visiting Lectureship in Chemistry (first payment of a $50,000 grant covering a five-year period). 10 000 00
316. Mr. and Mrs. Charles J. Merriam: an unrestricted gift for a special fund to be established over a period of years... 22 345 35
317. National Education Association: to the Bureau of Educational Research for publication of a handbook........ 1 000 00
318. Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: to the Department of Ceramic Engineering for the purchase of equipment ................................................................. 5 000 00
319. Purdue Research Foundation, Lafayette, Indiana: to the Office of Instructional Television (The University of Illinois is one of twenty colleges and universities serving as resource institutions for the Midwest Program on Airborne Television instruction. The funds received are primarily for salaries, travel, and office expense incurred in assisting the public schools in eastern Illinois to receive, use, and evaluate these experimental programs.).............................................. 7 548 44
320. Tile Council of America, Inc., New York, New York: to the Department of Architecture for purchase of equipment in the area of materials and methods of construction...... 250 00
321. Various donors: to the Department of Accountancy for expenses in connection with an International Conference on Accounting Education .................................................. 2 250 00
   Amsted Industries Foundation, Chicago.................. $ 250 00
   A. B. Dick Foundation, Chicago........................ 500 00
   Ernst and Ernst, Chicago............................... 1 000 00
   Price Waterhouse and Company, Chicago...... 500 00
322. Various donors: to the Department of Geography for an Atlas of Illinois Resources.............................. 2 775 00
   Central Illinois Electric and Gas Company, Rockford........................................ $ 250 00
   Central Illinois Public Service Company, Springfield............................................. 1 000 00
   Commonwealth Edison Company, Chicago....... 1 000 00
   Illinois Power Company, Decatur............. 300 00
   Iowa-Illinois Gas and Electric Company, Davenport, Iowa........................................ 125 00
   Union Electric Company, St. Louis, Missouri...... 100 00
323. Western Electric Fund, New York, New York: to the Department of Electrical Engineering for purchase of laboratory equipment.................................................. 895 00

Total, Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified... $ 151 138 08
Educational Grants Fund

The Board of Trustees has established this fund and has authorized the President to make assignments from it for non-recurring educational purposes. The income is grants from foundations, business and industrial corporations to the University in recognition of the educational costs involved in accepting fellowships and scholarships, and of the service expense in administration of research grants. Contributions deposited in this fund were received from:

324. Alcoa Foundation, Pittsburgh, Pennsylvania $375 00
325. Armco Foundation, Middletown, Ohio 100 00
326. Budd Company, Philadelphia, Pennsylvania 425 00
327. Campbell Soup Company, Chicago, Illinois 3 500 00
328. Carle C. Conway Scholarship Foundation, New York, New York 300 00
329. General Electric Foundation, Ossining, New York 4 000 00
330. Hunt Foundation, Pittsburgh, Pennsylvania 125 00
331. International Business Machines Corporation, New York, New York 5 000 00
332. Mary C. Marsh bequest, Detroit, Michigan 1 000 00
333. Marsteller, Inc., Chicago, Illinois 25 00
334. Merek and Company, Inc., Rahway, New Jersey 500 00
335. Owens-Corning Fiberglas Corporation, Toledo, Ohio 500 00
336. Owens-Illinois Glass Company, Toledo, Ohio 1 200 00
337. Radio Corporation of America, Princeton, New Jersey 100 00
338. Rockefeller Foundation, New York, New York 4 000 00
339. H. O. Sexton, Urbana, Illinois 10 00
340. Hiram Walker-Gooderham and Worts Limited, Walkerville, Ontario, Canada 350 00
341. Woman's League, University of Illinois 6 00

Total, Educational Grants $21 516 00

Contributions from County Farm and Home Bureaus

342. To the Cooperative Extension Service in Agriculture and Home Economics for partial payment of salaries and operating expenses of farm and home advisers $ 1 059 215 22

Gifts for Educational and Research Buildings and for Other Facilities

343. Robert Allerton: for acquisition of additional land adjoining Robert Allerton Park $1 687 50
344. Ethel Burnsides, Paris, Illinois: for construction of the Burnsides Research Laboratory (partial payment of total gifts of $250,000) 25 014 18
345. Eastman Kodak Company: for development of plans for a new chemistry building 11 500 00
346. Moorman Company Fund, Quincy, Illinois: for buildings, equipment, and other facilities for animal breeding research 30 000 00
347. University of Illinois Foundation 48 418 67
348. For architectural services on addition to Electrical Engineering Building $18 918 67
349. For the Kranert Art Museum sculpture and acquisition of art objects (from the Kranert Foundation) 28 500 00
350. For the construction of the Veterinary Medical Research Building 1 000 00
351. For construction of the Labor and Industrial Relations building 8 500 00
352. Commonwealth Edison Company, Chicago $3 000 00
353. Illinois State Council of Machinists, Quincy 500 00
354. Magnavox Foundation, Inc., Ft. Wayne, Indiana 2 500 00
Gifts for this project from other donors have previously been reported.

<table>
<thead>
<tr>
<th>Donor</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>351. Union Starch and Refining Foundation, Columbus, Indiana</td>
<td>2,500.00</td>
</tr>
<tr>
<td>352. Mr. and Mrs. Harold Boeschenstein</td>
<td>10,000.00</td>
</tr>
<tr>
<td>353. William E. Levis</td>
<td>10,000.00</td>
</tr>
<tr>
<td>354. Owens-Illinois Glass Company</td>
<td>10,000.00</td>
</tr>
<tr>
<td><strong>Total, Gifts for Educational and Research Buildings and for Other Facilities</strong></td>
<td><strong>155,120.35</strong></td>
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</tbody>
</table>

**Federal Grants for Buildings and Other Facilities**

<table>
<thead>
<tr>
<th>Grant Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>355. Physiology Research Laboratory</td>
<td>490,027.00</td>
</tr>
<tr>
<td>356. National Science Foundation</td>
<td>184,765.00</td>
</tr>
<tr>
<td><strong>Total, Federal Grants for Buildings and Other Facilities</strong></td>
<td><strong>674,792.00</strong></td>
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**United States Government Grants and Research Contracts**

<table>
<thead>
<tr>
<th>Grant Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>357. Agency for International Development</td>
<td>626,566.51</td>
</tr>
<tr>
<td>358. Air Force</td>
<td>244,221.36</td>
</tr>
<tr>
<td>359. Army Chemical Corps</td>
<td>42,145.34</td>
</tr>
<tr>
<td>360. Army Institute</td>
<td>172,00.00</td>
</tr>
<tr>
<td>361. Army Ordnance</td>
<td>405,957.59</td>
</tr>
<tr>
<td>362. Army Quartermaster Corps</td>
<td>27,269.54</td>
</tr>
<tr>
<td>363. Army Signal Corps</td>
<td>3,018,621.73</td>
</tr>
<tr>
<td>364. Army Surgeon General</td>
<td>67,866.48</td>
</tr>
<tr>
<td>365. Atomic Energy Commission</td>
<td>2,119,631.21</td>
</tr>
<tr>
<td>366. Bureau of Public Roads</td>
<td>29,724.09</td>
</tr>
<tr>
<td>367. Defense Atomic Support Agency</td>
<td>51,115.38</td>
</tr>
<tr>
<td>368. Department of Agriculture</td>
<td>128,466.32</td>
</tr>
<tr>
<td>369. Engineering Center</td>
<td>22,529.69</td>
</tr>
<tr>
<td>370. Fifth Army</td>
<td>1,631.64</td>
</tr>
<tr>
<td>372. National Aeronautics and Space Administration</td>
<td>284,634.00</td>
</tr>
<tr>
<td>373. National Bureau of Standards</td>
<td>632.00</td>
</tr>
<tr>
<td>375. National Science Foundation</td>
<td>1,605,548.62</td>
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<tr>
<td>376. Navy Bureau of Ships</td>
<td>689,229.40</td>
</tr>
<tr>
<td>377. Navy Bureau of Yards and Docks</td>
<td>10,000.00</td>
</tr>
<tr>
<td>378. Office of Education</td>
<td>692,045.13</td>
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<tr>
<td>379. Office of Civil Defense</td>
<td>22,613.37</td>
</tr>
<tr>
<td>380. Office of Naval Research</td>
<td>1,977,889.04</td>
</tr>
<tr>
<td>381. Office of Vocational Rehabilitation</td>
<td>51,490.17</td>
</tr>
<tr>
<td>382. Public Health Service</td>
<td>2,805,687.44</td>
</tr>
<tr>
<td>383. Small Business Administration</td>
<td>24,100.00</td>
</tr>
<tr>
<td>384. Tennessee Valley Authority</td>
<td>917,02.00</td>
</tr>
<tr>
<td><strong>Total, United States Government Grants and Research Contracts</strong></td>
<td><strong>16,970,323.53</strong></td>
</tr>
</tbody>
</table>

1 Deduct, refund of unused funds.
### Research and Public Service Contracts with State of Illinois Agencies

<table>
<thead>
<tr>
<th>Agency</th>
<th>Contract Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>385. Cities and Villages Municipal Problems Commission</td>
<td>$2,500.00</td>
</tr>
<tr>
<td>386. State Department of Agriculture</td>
<td>$60,896.17</td>
</tr>
<tr>
<td>387. State Department of Conservation</td>
<td>$80,307.22</td>
</tr>
<tr>
<td>388. State Department of Mental Health</td>
<td>$25,751.55</td>
</tr>
<tr>
<td>389. State Department of Public Safety</td>
<td>$71,968.34</td>
</tr>
<tr>
<td>390. State Department of Public Works and Buildings, Division of Highways</td>
<td>$351,127.74</td>
</tr>
<tr>
<td>391. State Department of Registration and Education</td>
<td>$13,295.00</td>
</tr>
<tr>
<td>392. State Division of Vocational Rehabilitation</td>
<td>$29,412.00</td>
</tr>
<tr>
<td>393. State Housing Board</td>
<td>$450.00</td>
</tr>
<tr>
<td>394. State Library</td>
<td>$26,250.00</td>
</tr>
<tr>
<td>395. State Public Aid Commission</td>
<td>$13,000.00</td>
</tr>
<tr>
<td>396. State Superintendent of Public Instruction</td>
<td>$11,939.29</td>
</tr>
</tbody>
</table>

**Total, Research and Public Service Contracts with State of Illinois Agencies:** $686,897.31

### Miscellaneous Gifts of Equipment and Works of Art

<table>
<thead>
<tr>
<th>Donor</th>
<th>Gift Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>397. Anonymous donor:</td>
<td>to the Institute of Aviation a DC-3, N 28 U aircraft, including electronic equipment; estimated value</td>
</tr>
<tr>
<td>398. Professor Arthur Bestor, University of Washington, Seattle:</td>
<td>to the University Library, his personal and professional papers.</td>
</tr>
<tr>
<td>399. Class of 1911:</td>
<td>a bronze portrait (bust) of President Emeritus Lloyd Morey; estimated value</td>
</tr>
<tr>
<td>400. Collins Radio Company, Cedar Rapids, Iowa:</td>
<td>to the Department of Electrical Engineering, a five-kilowatt broadcast transmitter; estimated value</td>
</tr>
<tr>
<td>401. Dow Chemical Company, Midland, Michigan:</td>
<td>to various departments, 133 cases of “Saran Wrap,” a plastic wrapping material.</td>
</tr>
<tr>
<td>402. Endevco Corporation, Pasadena, California:</td>
<td>to the Department of Mechanical and Industrial Engineering, two accelerometers with cable assembly and tube; estimated value</td>
</tr>
<tr>
<td>403. Esso Research and Engineering Company, Linden, New Jersey:</td>
<td>to the Department of Mechanical and Industrial Engineering, an Adiabatic compression machine; estimated value</td>
</tr>
<tr>
<td>404. General Electric Company, Schenectady, New York:</td>
<td>to the Chemistry Library, the collected works of Irving Langmuir with contributions in memoriam.</td>
</tr>
<tr>
<td>405. General Motors Corporation, Buick Motor Division:</td>
<td>to the Department of Mechanical and Industrial Engineering, a 1962 Buick V-6 engine; estimated value</td>
</tr>
<tr>
<td>406. General Motors Corporation, Detroit, Michigan:</td>
<td>to the Institute of Aviation, an eight-passenger Lockheed Lodestar executive-equipped aircraft; estimated value</td>
</tr>
<tr>
<td>407. A. O. Smith Harvestore Products, Inc., Kankakee:</td>
<td>to the Department of Animal Science, three silos plus accessory equipment; estimated value</td>
</tr>
<tr>
<td>408. Henderson Manufacturing Company, Fisher:</td>
<td>to the Department of Horticulture, one 18T Henderson thin-cut machine (lawn mower); estimated value</td>
</tr>
<tr>
<td>409. Dr. David D. Henry, Urbana, to the Speech and Hearing Clinic, a Maico hearing aid, and to the Physical Plant Department, a screen house.</td>
<td></td>
</tr>
<tr>
<td>410. Illinois and Midwest Lawn Company:</td>
<td>to the Department of Plant Pathology, a Jacobsen mower; estimated value</td>
</tr>
</tbody>
</table>
411. Illinois Farm Supply Company, Bloomington: to the Department of Agricultural Engineering, a Model 200 high moisture roller mill complete with three-horsepower motor; estimated value .................................................. 500 00

412. Lincoln Memorial University Press, Harrogate, Tennessee: to the Illini Union Lending Library, a print of Abraham Lincoln.

413. Packard Instrument Company, Inc., La Grange: to the Departments of Botany, Chemistry and Chemical Engineering, and Microbiology, parts to modernize and update four Model 314A Packard spectrophotometers; estimated value ........ 4 000 00


415. Roberts and Schaefer Company, Chicago: to the Department of Mining, Metallurgy, and Petroleum Engineering, the Dutch State Mines Heavy Medium Cyclone display equipment used at the May 1961 American Mining Congress Coal Show; estimated value ................................................................. 1 000 00

416. Miss Betsy Ross, Urbana: a State flag (this flag was in the home of Miss Ross' late uncle, President Arthur Cutts Willard, and was a personal gift from Governor Henry Horner to President Willard).

417. Leon Short and Son, Keokuk, Iowa: to the College of Agriculture, one Jacobsen Greensmower 22 inches; estimated value ......................................................... 200 00

418. Estate of the late Isabelle Smith: a Noah Webster Grammar, 1807, bequeathed to the University in memory of Isabelle Smith's grandfather, Mr. Larkin B. Smith, a deceased resident of Illinois.

419. Union Carbide Corporation, New York, New York: To the Department of Civil Engineering, miscellaneous equipment; estimated value .................. 2 814 20
To the Department of Mining, Metallurgy, and Petroleum Engineering, scientific equipment; estimated value ................................. 3 375 00

420. WTVP, Decatur: to the Department of Broadcasting, an iconoscope and a monoscope.

421. Dr. Herbert S. Zim, Tavernier, Florida: to the Museum of Natural History, a collection of archaeological specimens; estimated value ................................................................. 2 662 00

Gifts to the Krannert Art Museum ................................................................. 97 156 00

422. Mr. Leonard Bocour, Artists Colors Inc., New York, New York: an oil on masonite, "Torah," by Jonah Kingstein; estimated value ........................................ 1 000 00

423. Mr. Phillip Bruno, Staempfli Gallery, New York, New York: Water color, "Study for Sculpture," by Sidney Gordin; estimated value .................. 100 00
Wax pastel, "Sleeping Warrior," by Mirko (Basaldella); estimated value .................................................. 250 00
Painting, "Still Life," by Giuseppe Napoli; estimated value .......... 500 00
Gouache, "The Cellists," by Bernard Reder; estimated value .................. 250 00
Water color, "Composition," by Ralph Rosenborg; estimated value .................. 400 00
Oil on paper, "Landscape," by Ralph Rosenborg; estimated value .................. 400 00

424. Miss Juliette Dean, Manteno, Illinois: four drawings, pencil on paper, untitled; estimated value ................................. 200 00

426. Mr. George J. Goldstein, Chicago: a painting, "Portrait of a Gentleman," by Gerard Houfforst; estimated value 4 700 00
427. Mr. W. B. Greene, Barber-Greene Company, Aurora: a bronze study for Penelope, by Antoine Boudelle; estimated value ........................................ 2 250 00
428. Dr. Karl A. Meyer, Chicago, prints and lithographs; estimated value ........................................ 4 506 00
429. Mr. Morrie A. Moss, Memphis, Tennessee, paintings: "Portrait of Thomas Cobb," by John Hoppner; estimated value ........................................... 13 500 00
"Portrait of Lady Frances Douglas"; estimated value ........................................... 15 000 00
"Love or Money," by Cornelis van Haarlen; estimated value ........................................... 12 000 00
"Holy Family," by Frans Floris; estimated value 12 000 00
"Seascape," by Aelbert Cuyp; estimated value ........................................... 18 000 00
Water color, "Sorrento," by K. Cox; estimated value ........................................... 150 00
431. Mrs. Helen Norcross, Provincetown, Massachusetts: a painting, "Conversation Piece," by Victor Candell; estimated value ........................................... 800 00
432. Miss Collete Roberts, Grand Central Moderns Gallery, New York, New York: a painting, "Cathedral in the Woods," by Jennette Lam; estimated value ........................................... 700 00
433. Mr. Herman Spertus, Glencoe, a painting by Albert Bloch; estimated value ........................................... 4 000 00
434. Allen Tucker Memorial, a painting, "Incoming Fog," by Allen Tucker; estimated value ........................................... 1 200 00

Total, Miscellaneous Gifts of Equipment and Works of Art ........................................... $ 341 608 80
Total, Colleges and Schools at Urbana-Champaign ........................................... $ 22 554 902 12

Colleges at the Medical Center

Scholarships, Prizes, and Other Financial Aids

435. American Foundation for Pharmaceutical Education: two scholarships in pharmacy ........................................... $ 400 00
436. Avalon Foundation: scholarships in medicine ........................................... 26 000 00
437. Miss Bertha Berkelhamer, Chicago: annual Dr. Ralph C. Berkelhamer Scholarship ........................................... 100 00
438. Warren H. Cole Society: scholarship for a freshman student in medicine ........................................... 500 00
439. Ford Hopkins Drug Company: scholarship in pharmacy ........................................... 200 00
440. Goldenrod Ice Cream Company, Chicago: two scholarships in pharmacy ........................................... 400 00
441. Humiston-Keeling and Company, Chicago: two scholarships in pharmacy ........................................... 400 00
442. Illinois Federation of Women's Clubs, Chicago: scholarships in occupational therapy ........................................... 600 00
443. Lag Drug Company: scholarship in pharmacy ........................................... 300 00
444. Estate of the late Dr. David Mortimer Olkon, an alumnus and former member of the faculty of the College of Medicine: endowment of annual scholarships to outstanding senior medical students in neurology and psychiatry (this bequest was reported to the Board of Trustees on March 17, 1962) ........................................... 6 000 00
445. Osco Drug Company, Inc.: scholarships in pharmacy ........................................... 800 00
446. Photo Service, Inc., Des Plaines: two scholarships in pharmacy ($300 each) ........................................... 600 00
447. Sargent's Drug Stores: scholarship in pharmacy............ 200 00
448. Stineway Drug Company: scholarship in pharmacy............ 200 00
450. Women's Auxiliary at the Medical Center: scholarships in dentistry, medicine, nursing, and pharmacy............ 1 000 00
451. Woman's Organization of the Chicago Retail Druggists' Association: scholarship in pharmacy............ 250 00
452. Block Drug Company, Jersey City, New Jersey: an award in an essay competition for seniors in dentistry............ 200 00
453. Midwest Oral Rehabilitation Study Group, Chicago: an award to a graduating student who is outstanding in a particular phase of clinical dentistry............ 25 00
454. Dr. Stanley D. Tyman, Professor Emeritus, College of Dentistry: annual $100 awards to dental students............ 1 000 00
455. Dr. Edward C. Wach, Associate Professor Emeritus, College of Dentistry: to establish an endowment fund, the income to provide cash prizes to fourth-year students in dentistry who are successful in a thesis competition............ 3 000 00
456. Various donors: to purchase furnishings for a student lounge in the East Dentistry-Medicine-Pharmacy Building............ 643 53
College of Pharmacy Student Council............ $ 500 00
College of Pharmacy Class of 1959............ 100 00
College of Pharmacy Class of 1961............ 43 53
457. American Dental Association: loans for dental students............ 3 433 50
458. Merck Company Foundation, Rahway, New Jersey: the George W. Merck Memorial Loan Fund to provide loans for interns and residents in medicine............ 4 000 00
459. Women's Auxiliary at the Medical Center: long-term student loans............ 2 000 00

Total, Scholarships, Prizes, and Other Financial Aids: $ 52 518 70

Funds for Fellowships and Research
460. Evanston Drama Club: fellowships in orthopaedic surgery............ $ 1 000 00
461. Samuel Higby Camp Foundation: visiting professorship in orthopaedic surgery............ 1 000 00
462. National Hemophilia Foundation: summer fellowships............ 600 00
463. Abbott Laboratories, North Chicago............ (2 600 00)

464. Abbott Laboratories, North Chicago............ 10 500 00
To the Department of Chemistry, College of Pharmacy, for research............ $ 500 00
To the Department of Pediatrics for a study of the isolation and chemical identification of platelet stimulating factor............ 3 500 00
To the Department of Surgery to test various protein fractions of sheep and bovine serum for effect on tumor growth............ 4 000 00
To the Department of Dermatology for a study to determine the antipruritic value of homochlorcyclizine............ 500 00
To the Department of Pharmacology, College of Medicine, for a study on preparation of antibodies for production of passive immunity and to test various protein fractions of sheep and bovine serum for effect on tumor growth............ 2 000 00
465. American Academy of Pediatrics, Evanston: to the Department of Pediatrics for a study of the isolation and purification of plasma factors involved in stimulation and inhibition of thromboporesis............ 3 725 00
466. American Association of Anatomists: an endowment fund, the income to be used for a seminar in anatomy............ 1 220 68
466. American Cancer Society, Inc., New York, New York: to
the College of Medicine .................................................. 156 636 55
Department of Biological Chemistry for a study
of the separation of enzymes from normal and
pathological serum using cellulose ion ex-
changers .............................................................................. $22 821 00
Department of Biological Chemistry for a study
of the specificity of glycolytic pathway enzymes ................................ 18 421 00
Department of Obstetrics and Gynecology for a
study of the experimental dysplasia of the uterine
cervix .................................................................................. 7 757 00
Department of Pathology for a study of the
immunity of mice of inbred strains to isologous
tumors induced by R tumors .............................................. 11 972 00
Department of Pathology for a study of phago-
cytosis of homologous red cells in mice and rats
with transplanted tumors ......................................................... 5 660 00
Department of Physiology for a study of the per-
meability of mitochondria .................................................... 10 753 05
Department of Radiology for a study of tempera-
ture and oxygen effects on irradiated animals .................. 13 949 50
Department of Surgery for a study of the effect
of radio-frequency energy in the resistance of
animals to cancer ............................................................ 14 134 00
Department of Surgery for an investigation of
 cellular damage observed in human tumors treated
in tissue culture with anticancer compounds ....................... 25 139 00
Department of Surgery for research (unre-
stricted) ................................................................................ 26 000 00

467. American Cyanamid Company, Lederle Laboratories Divi-
sion, Pearl River, New York: to the Department of Medi-
cine ($9,400) and to the Department of Preventive Medicine
($600) for an investigation of infectious diseases and related
fields .................................................................................. 10 000 00

468. American Dental Association: to the Department of Applied
Materia Medica and Therapeutics for a study on local
anesthesia ................................................................. 1 000 00

469. American Heart Association: to the College of Medicine...
Department of Medicine for investigations on the
kidney in health and disease .............................................. $1 000 00
Office of Research in Medical Education ......................... 3 500 00

470. American Medical Association Education Research Founda-
tion: to the College of Medicine for research .................. 54 478 28

471. American Rheumatism Association Committee on Coopera-
tive Clinics, New York University: to the Department of
Medicine for a variability study ........................................... 1 700 00

472. Arthritis and Rheumatism Foundation: to the College of
Medicine ............................................................... 1 345 00
Department of Medicine for a study of the effect
of different environmental conditions and pharma-
cologic agents on the vascular responses in the
digits in rheumatoid arthritis .............................................. $1 095 00
Department of Pediatrics for a study of gout in
infancy .............................................................................. 250 00

473. Asthmatic Children's Aid, Chicago: to the Department of
Medicine for studies of factors which influence the develop-
ment of bronchial asthma ................................................... 13 400 00

474. Chicago Dysautonomia Society, Inc., Chicago: to the De-
partment of Pharmacognosy and Pharmacology, College of
Pharmacy, for a study on acetylcholine metabolism and
dysautonomia ............................................................... 1 106 00
475. Chicago Heart Association: to the College of Medicine: 
Department of Medicine for a study of hepatic 
and myocardial factors in the production of digi-
talis toxicity. ........................................... $6,759 00
Department of Pediatrics for studies on the coagu-
lation mechanism in extra-corporeal circulation. ... 2,883 84
Department of Preventive Medicine for a study of 
the biochemical, medical, and psychological param-
eters of the acute pressor response in hypertensive 
subjects .................................................. 6,622 00
Department of Surgery for a study of the dacron 
outflow tract for right ventricle ..................... 5,588 00

476. Children's Research Foundation, Chicago: to the Depart-
ment of Psychiatry for research in Tay-Sachs disease .... 600 00

477. Clairol Incorporated Research Laboratories: to the Depart-
ment of Dermatology for a study of time-concentration 
relationship in eczematous allergic reactions ......... 3,500 00

478. Deerfield Area United Fund, Inc., Deerfield: to the Depart-
ment of Surgery to add to the Deerfield-Bannockburn Fund 
for cancer research ................................... 928 95

479. Dr. Ward H. Eastman, Peoria: to the Department of 
Surgery for the Ward Eastman and James Hurlbut Gift 
Fund for cancer research ............................. 1,000 00

480. Eureka United Fund: to the Department of Surgery for 
cardiovascular research ............................. 500 00

481. Employees of the Federal Reserve Bank of Chicago: to the 
Department of Preventive Medicine for research related 
to polo care ........................................... 1,000 00

482. Marlin D. Fisher, Stronghurst: to the Department of Sur-
gery for the Clarence Hartquist Cancer Research Fund ... 403 00

483. Geigy Pharmaceuticals, Yonkers, New York: to the Depart-
ment of Medicine for research on the treatment of hyper-
tension ............................................... 3,000 00

484. Illinois Federation of Women's Clubs, Chicago: to the 
Department of Surgery for cancer research ............. 1,000 00

485. Ivy Cancer Research Foundation, Chicago: for cancer 
research .................................................. 7,005 00

486. Jeanette M. Johnson, Fort Lauderdale, Florida: to the De-
partment of Surgery for the Clarence Hartquist Cancer 
Research Fund ........................................ 10 00

487. Kidney Disease Foundation of Illinois, Chicago: to the 
Department of Medicine for a study of renal lesions induced 
by heterologous insulin; an example of foreign protein 
nephritis .............................................. 3,750 00

488. Leukemia Research Foundation: to the College of Medicine 
Department of Biological Chemistry for a study of 
the biosynthesis of plasma glycoproteins ......... $8,000 00
Department of Pediatrics for a study on platelet 
stimulating factor in leukemia ............................ 5,500 00

489. Leukemia Society, Inc.: to the Department of Pediatrics for 
a study on the effect of human platelet stimulating factor in 
marrows aplasia ...................................... 2,840 00

490. Mrs. Polly Levee, Philadelphia, Pennsylvania: to the De-
partment of Surgery for cancer research ................. 2,500 00

491. Nathan Manilow Foundation, Chicago: to the Department of 
Otolaryngology, College of Medicine, for research .... 15,000 00

492. Markle Foundation: to the Department of Psychiatry for 
research .................................................. 6,000 00

493. Dr. George Matula, Chicago: to the Department of Bio-
chemistry, College of Medicine, for an endowment fund, 
income to be used for research in oral biochemistry ...... 11,776 00

494. Mead Johnson and Company: to the Department of Pedi-
atrics for a study of prophyaxis of anemia of prematurity ..... 6,000 00
495. Merck, Sharp, and Dohme Research Laboratories, West Point, Pennsylvania: to the College of Medicine
Department of Medicine for a study of expansion and completion of studies on "Decadron" inhalation aerosols $5 000 00
Department of Preventive Medicine for a study of the effect of therapeutic agents on some perceptual and psychometric tests in man 5 000 00

496. National Association for Mental Health, New York, New York: to the Department of Psychiatry
For a study of the synthesis and breakdown of proteins, nucleic acids, etc., in neurons and glia in culture $5 000 00
For research in schizophrenia 4 500 00

497. The National Foundation: to the Department of Preventive Medicine for the Respiratory Center

498. National Fund for Medical Education: to the College of Medicine for research 4 590 00

499. George S. Oberne, Chicago: to the Department of Surgery for the Alva M. Oberne Cancer Research Fund 50 00

500. Pfizer Laboratories: to the Department of Anatomy for a study of experimental acute pancreatitis 700 00

501. Prospect Heights' Annual Appeal: to the Department of Surgery for cancer research 1 443 74

502. Riker Laboratories: to the Department of Neurology and Neurological Surgery for a study of anticonvulsant properties in drugs 4 600 00

503. Roanoke Area United Funds Appeal, Roanoke: to the Department of Pediatrics for a study of hematopesis in early infancy 747 18

504. Ross Laboratories, Columbus, Ohio: to the Department of Medicine for research 10 000 00

505. Sandoz Pharmaceuticals, Hanover, New Jersey: to the College of Medicine
Department of Medicine for a study of chemical mediators $2 500 00
Department of Preventive Medicine for a study of hypertension and headache mechanisms 10 000 00
Department of Preventive Medicine for a study of newer methods of evaluating analgesic agents in man 10 000 00

506. Schering Corporation: to the Department of Medicine for research 5 000 00

507. G. D. Searle and Company, Chicago: to the Department of Medicine for a study of the treatment of hypertension with diuretics and aldactone 3 000 00

508. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: to the Department of Medicine for research on antiviral chemotherapy 14 818 60

509. E. R. Squibb and Company: to the Department of Medicine for a clinical study of anti-hypertensive drugs 1 000 00

510. Teagle Foundation, Inc., New York, New York: to the Department of Psychiatry for paralysis agitans research 8 000 00

511. Tuberculosis Institute of Chicago and Cook County: to the Department of Microbiology for a laboratory investigation into the possible synergistic relation between penicillin and isoniazid against the tubercle bacillus 2 300 00

512. University of Chicago: to the Department of Medical Social Service for research 8 681 15

513. Various donors: to the Department of Fixed Partial Prosthodontics, College of Dentistry, for the Mary Lloyd Somatic Prosthesis Fund 175 00
514. Various donors: to the Department of Preventive Medicine to the Arthur S. Littlefield Memorial Fund for pulmonary studies .......................................................... 99 00
515. Various donors: to the Department of Surgery for the Bristow Cancer Research Fund in memory of the late Chief Justice George W. Bristow of the Supreme Court of Illinois 1 448 00
516. Warner-Lambert Pharmaceutical Company: to the Department of Preventive Medicine for a study of the treatment of diarrhea ................................................................. 10 510 00 (515 039 97)

Total, Funds for Fellowships and Research.............$ 517 639 97

Funds for Educational and Research Programs
517. American Cancer Society, Illinois Division: to the Tumor Clinic Cancer Registry for clerical salaries and office supplies ......................................................$ 5 000 00
518. Chicago Dental Assistants Association, Evanston: an unrestricted gift to the College of Dentistry ................................................................. 25 00
519. The Commonwealth Fund, New York, New York: to the College of Medicine for a study and evaluation of medical education ................................................................. 64 000 00
520. Fund for Dental Education, Chicago: to the Department of Pedodontics, College of Dentistry, for the publication of proceedings of the conference on the teaching of manual skills ................................................................. 1 500 00
521. W. K. Kellogg Foundation, Battle Creek, Michigan: for the teacher education program in the College of Dentistry ................................................................. 35 091 00
522. Mead Johnson and Company: to establish a Pediatric Residents’ Education Fund ................................................................. 500 00
523. National Fund for Medical Education: to the College of Medicine for instructional grants ................................................................. 62 755 00
524. Dr. Anthony J. J. Rourke: to the College of Medicine for its educational program ................................................................. 100 00
525. Various donors: to the Division of Services for Crippled Children ................................................................. 51 992 04
526. Various donors: to the Department of Dermatology ................................................................. 550 00
Mr. Alvin K. Anderson, Chicago
Dr. Carl Herzog, Duke Laboratories, Inc., South Norwalk, Connecticut
527. Various donors: to the Department of Medicine ................................................................. 1 969 08
Snooth Boot Enterprises, Busey Hall, Urbana Campus
Delavan Community Chest, Delavan
Princeville Community Council Fund Drive
Charles Kulosky, Chicago, in memory of Martin Kulosky
In memory of Landon B. Stableford
528. Various donors: to the Department of Neurology and Neurological Surgery ................................................................. 40 00
Mr. and Mrs. L. F. Annable, Western Springs, in memory of Mr. Samuel Soll
Marilyn and Jacques Beardsley, Chicago; Paul F. Bovyn, Glenview; and Lily and Roy Campbell, Ontario, Canada; in memory of Ronald Johns
529. Various donors: to the Department of Occupational Therapy ................................................................. 500 38
Dames Club
First Congregational Church, Oak Park
Hinsdale Sewing Group
Mrs. Virginia Meehan, Country Club Hills
National Doll Collector’s Club, Chicago
Rogers Park Woman’s Club, Chicago
Women’s Auxiliary at the Medical Center
530. Various donors: to the Department of Orthodontics, College of Dentistry, for the "Special Alumni Fund"................. 1 600 00
Dr. M. P. Breidt, Patterson, New Jersey
Dr. Silas J. Kloehn, Appleton, Wisconsin
Dr. John S. Kloehn, Appleton, Wisconsin
Dr. Arthur B. Lewis, Dayton, Ohio
University of Illinois Dental Alumni Society of Ohio
Dr. Joseph J. Schachter, Saskatoon, Saskatchewan, Canada
Dr. Henry A. Sturman, Hartford, Connecticut
531. Various donors: to the Department of Orthopaedic Surgery
American Limb and Orthopedia, Chicago
Representative George W. Durne, Chicago
Kappa Alpha Theta Sorority, Evanston, New York University
Mr. and Mrs. Richard P. Thornton, Glen Ellyn, Illinois
Women of the Rotary Club, Chicago
532. Various donors: to the Department of Otolaryngology..... 2 180 00
Mrs. Gerald Abramovitz, Chicago
Beltone Institute for Hearing Research
Dr. E. L. Chainski, Lake Forest, Illinois
Dr. F. L. Lederer and Mrs. Lederer, Lansing, Michigan
Mrs. H. Meilleur, Lansing, Michigan
Mrs. Harry Sager, Highland Park, Illinois
Mrs. Wendel A. Witkay, Chicago
533. Various donors: to the Department of Pediatrics............ 801 00
Mr. and Mrs. Donald Brown, Mundelein, Illinois
Mr. Lawrence J. Droghetti, Chicago
Gould National Batteries, Kankakee, Illinois
Hearth and Garden Club, Austin Woman's Club
LaSalle Steel Foundation, Inc., Chicago
Mrs. Jac C. Ridinger, in memory of Johnny Kniskern, Illinois
Mrs. C. C. Sberna, Mundelein, Illinois
Various donors, in memory of Scott Lindeman, Illinois
Mr. and Mrs. M. R. Whitaker, Mundelein, Illinois
Mr. and Mrs. Melvin Young, Kankakee, Illinois
534. Various donors: to the Department of Surgery.............. 1 584 75
Aid United Givers
Harold C. Alford, Lockport, Illinois
Mr. and Mrs. L. F. Annable, Illinois
Mr. and Mrs. Wayne Bernhardt, Illinois
Harold Cohn, Alfred Lloyd Corporation, in memory of Mrs. Sally Wolin, Illinois
William DeFotis, Chicago
Mr. and Mrs. Sydney Galvin, Shaker Heights, Ohio, in memory of Ira Pink, Illinois
Dr. Claude L. Geyer, Illinois
Mr. and Mrs. Russell Gleesons, Chicago
Mrs. Rose Glick, in memory of Mrs. Sally Wolin, Illinois
Emery E. Klineman, New Jersey, in memory of Ira Pink, Illinois
Montgomery Ward and Company, Chicago
Dr. R. G. Mrazek, Berwyn, Illinois
Gilbert P. O'Connor, Oak Park, Illinois
Herbert Pallat, Chicago, Illinois
Mr. and Mrs. Peterson, Maywood, Illinois
Mr. and Mrs. V. A. Sondergaard, Dwight, Illinois
Dr. William Requarth, Decatur, Illinois
Mrs. Michael Sleppin, Chicago
Kermit A. Slobb, American Broadcasting Company, Chicago, in memory of Byron Speirs, Illinois
Various donors, in memory of April Legette, Illinois
535. Watson Gailey Eye Foundation, Bloomington: to the Department of Ophthalmology, for a resident-training program 1 000 00
Total, Funds for Educational and Research Programs..$ 233 100 39
Federal Grants for Buildings and Other Facilities
536. Public Health Service: for Medical Research Laboratory. $37,500.00

United States Government Grants and Research Contracts
537. Air Force: ................................................ $2,054.12
538. Agency for International Development: .......................... $19,743.79
539. Army Chemical Corps: ......................................... $40,085.00
540. Army Surgeon General: ........................................ $138,384.44
541. Atomic Energy Commission: ................................... $6,750.00
542. National Science Foundation: .................................. $46,311.44
543. Office of Naval Research: ...................................... $28,158.17
544. Office of Vocational Rehabilitation: ............................. $6,748.18
545. Public Health Service: ........................................ 2,676,095.22

Total, Funds for Educational and Research Programs: $2,964,330.36

Research and Public Service Contracts with State of Illinois Agencies
546. State Department of Mental Health: ............................. $126,895.73
   Psychosomatic differentiation in infancy: $53,607.90
   Relation of neural metabolism to function: $22,273.28
   Psychological factors in psychosomatic disease of children: $2,036.68
   Tissue culture of neurons: $44,946.90
   The role of the proteins of the brain in normal and abnormal brain function: $4,030.97

Total, Research and Public Service Contracts with State of Illinois Agencies: $126,895.73

Gifts of Equipment and Library Materials
548. Dr. N. B. Roberg: to the Department of Medicine, an air conditioner; estimated value: $271.00
549. Mrs. Ida Mae Schroeder, Chicago: To the Department of Orthopedics, a Hoyer lifter; estimated value: $150.00
   To the Department of Physical Medicine and Rehabilitation, an American electric wheelchair with Blitz battery charger; estimated value: $500.00
550. Royal Metal Furniture Company: to the Business Office, two chairs; estimated value: $36.00

Total, Gifts of Equipment and Library Materials: $1,207.00
Total, Colleges at the Medical Center: $3,933,192.15

Chicago Undergraduate Division
551. Foundry Educational Foundation, Cleveland, Ohio: Scholarships in engineering: $2,150.00
552. Professor O. L. Railsback, an endowment fund of scholarships in physics: $750.00
553. National Science Foundation: .................................. $1,000.00
554. Anonymous donor, one Hi-Fi Motorola: $738.60
555. Mr. Titus Haffa, Chicago, a Webcor stereo AM-FM radiophoneograph: $400.00
556. Vice-President Norman A. Parker, Chicago: one portable color television set, with antenna: $700.00

Total, Chicago Undergraduate Division: $8,048.13

Gifts to the University of Illinois Foundation
557. Envelope Fund Projects (formerly Illini Achievement Fund): $184,723.07
Other Gifts for Current Purposes.......................... 957,347.77
Endowment Funds........................................ 948,366.65
Funds for Physical Plant Purposes......................... 177,525.51

Total, Gifts to the University of Illinois Foundation... $552,820.00

Summary

Funds from Private Donors
To the University
For Urbana-Champaign................................ $3,972,889.28
For Chicago Colleges and Divisions....................... 809,454.66
(4,782,343.94)
To the University of Illinois Foundation................ 552,820.00
Total................................................................ $5,335,163.91

Funds from United States Government
Total for Urbana-Champaign (including $250,000 from National
Defense Education Act for student loan programs for all
campuses).................................................... $17,895,115.53
Total for Chicago Colleges and Divisions................ 3,004,889.89
Total................................................................ $20,900,005.42

Funds from Contracts with State of Illinois Agencies
Total for Urbana-Champaign................................ $686,897.31
Total for Chicago Colleges and Divisions................ 126,895.73
Grand Total.................................................... $813,793.04

This report was received for record.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments
made by the President; graduate fellows; resignations, cancellations,
declinations, and terminations; leaves of absence; changes in sabbatical
leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT
(The date in parentheses is the date on which the appointment was made by the
President of the University. C = College; S = Station; E = Extension.)

Aaronson, Donald W., Clinical Assistant in Medicine (Medicine), eleven
months from October 1, 1962, without salary (11-16-62).

Abbott, Bernard C., Professor of Physiology and Biophysics, indefinite tenure
from September 1, 1962, to render service during each academic year,
$15,000 a year, supersedes (11-12-62).

Adams, James M., Assistant in the Institute of Aviation (Flight), October 22,

Anderson, Ernest G., Visiting Professor of Genetics (Agronomy) (S), 1/2 time,
one month from September 1, 1962, $500 (10-31-62).

Archer, Kathleen, Research Associate in the Institute of Communications
Research, 1/2 time, six months from October 1, 1962, $2,000 (10-31-62).

Arias, Belisario A., Assistant in Neurology and Neurological Surgery (Medi-
cine), one year from July 1, 1962, without salary (11-8-62).

Auer, Lewis E., Research Assistant in the Office of Instructional Research
(Provost's Office), one year from September 1, 1962, $7,500 (10-30-62).

Baker, Marjorie G., Assistant in Nursing, eleven months from October 1, 1962,
$6,000 a year (10-23-62).

Barlow, Donald L., Assistant in General Engineering (C), February 1-June 15,
1963, $2,050 (11-20-62).

Bass, Alan R., Research Associate in Psychology, 1/2 time, September 16, 1962-

Bateman, Paul T., Professor of Mathematics and Associate Head of the Depart-
ment, indefinite tenure from October 1, 1962, to render service during each
academic year, $16,000 a year, supersedes (11-15-62).
BEDFORD, Norton M., Professor of Accountancy, indefinite tenure from September 1, 1962, to render service during each academic year, $17,000 a year, supersedes (10-29-62).

Bennett, Mrs. Sara A., Research Assistant in the Coordinated Science Laboratory (C), seven months from February 1, 1963, $500 a month (12-5-62).

Bercitold, Max, Research Associate in Dairy Science (S), October 18, 1962-August 31, 1963, $6,600 a year (11-8-62).

Bereskin, Ben, Research Associate in Dairy Science (S), October 16, 1962-August 31, 1963, $6,850 a year (11-8-62).

Blevins, Mrs. Marcia J., Reference Assistant in the Library, nine months from December 1, 1962, $5,500 a year, supersedes (11-16-62).

Bogdonoff, Diana R., Assistant in Dermatology (Medicine), one year from July 1, 1962, without salary (11-12-62).

Borerowitz, Gene H., Instructor in Psychiatry (Medicine), eleven months from October 1, 1962, $13,000 a year, supersedes (10-24-62).

Boxer, Robert W., Clinical Instructor in Medicine (Medicine), ten months from November 1, 1962, without salary (11-27-62).

Boyce, Ronald R., Assistant Professor in the Bureau of Community Planning (College of Fine and Applied Arts), 1/4 time, and of Geography (College of Liberal Arts and Sciences), 1/4 time, one year from September 1, 1962, $9,800, supersedes (11-13-62).

Brosemer, Ronald W., Instructor in Biochemistry, academic year beginning September 1, 1962, $7,000 (10-23-62).

Butler, Mrs. Barbara D., Research Assistant in Physiology and Biophysics, November 1, 1962-June 15, 1963, $450 a month, supersedes nonacademic appointment (11-8-62).

Butler, (Mrs.) Beverly J., Assistant Professor of Agricultural Engineering (C and S), November 16, 1962-August 31, 1963, $9,900 a year, supersedes (11-28-62).

Buzdigan, Danuta U., Instructor in Pediatrics (Medicine) and in Cleft Palate Center (Dentistry), 72/100 time, one year from September 1, 1962, $5,200, supersedes (10-23-62).

Carlston, John A., Clinical Instructor in Medicine (Medicine), one year from September 1, 1962, without salary (11-16-62).

Carson, Ralph S., Research Associate in Electrical Engineering (S), nine months from December 1, 1962, $6,500 a year, supersedes (11-30-62).

Cicenas, Zinna, Assistant Chief Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), October 22, 1962-August 31, 1963, $8,000 a year (10-31-62).

Cizowski, Raymond, Registered Pharmacist in Manufacturing Pharmacy (Pharmacy), nine months from December 1, 1962, $7,000 a year, supersedes (11-15-62).

Crank, Floyd L., Associate Professor of Education, academic year beginning September 1, 1962, $8,950; and Associate Professor of Business Education and of Education, indefinite tenure from September 1, 1963, to render service during each academic year, $8,700 a year, supersedes (11-13-62).

Crumlish, Brian J., Research Associate in the Small Homes Council-Building Research Council, two months from October 16, 1962, $1,000 a month (10-31-62).

Cutler, Douglas, Research Associate in Metallurgy (C), October 25, 1962-August 31, 1963, $8,000 a year, supersedes (10-31-62).

Diamond, Sidney A., Assistant in Dermatology (Medicine), one year from July 1, 1962, without salary (11-8-62).

Dondanville, Louis E., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).

Doughtery, Norris L., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (10-23-62).

Drake, Darrell M., Research Associate in Physics (C), January 16-August 31, 1963, $8,000 a year (12-5-62).

Duckwall, James W., Research Associate in the Statistical Service Unit (Provost's Office), nine months from December 1, 1962, $9,000 a year (11-13-62).

Elmore, Rodney D., Research Assistant in Electrical Engineering (S), ten months from November 1, 1962, $5,200 a year, supersedes (11-16-62).
Erichsen, Alvin W., Research Associate in Plant Breeding (Agronomy) (S), ten months from November 1, 1962, $6,500 a year (11-16-62).

Fernandez, Adolfo A., Clinical Instructor in Medicine (Medicine), eleven months from October 1, 1962, without salary (10-23-62).

Fetrow, Kenneth O., Clinical Instructor in Orthopaedic Surgery (Medicine), eleven months from October 1, 1962, without salary (10-23-62).

Fischer-Wyberget, Susanna H., Research Associate in Pediatrics (Medicine), one year from September 1, 1962, $6,640 (10-29-62).

Flenner, Ross H., Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1962, $5,000, supersedes (10-29-62).

Fogel, Jerold S., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), October 29, 1962-August 31, 1963, $7,500 a year (11-12-62).

Fraenkel, Gottfried S., Professor of Entomology and Associate Member of the Center for Advanced Study (College of Liberal Arts and Sciences, Graduate College), one year from September 1, 1962, $17,700; and from September 1, 1963, indefinite tenure, to render service during each academic year, $14,500 a year, supersedes (10-24-62).

Freund, Eric C., Research Associate in the Bureau of Community Planning, eleven months from October 1, 1962, $7,700 a year; on leave of absence, without pay, from October 22, 1962, through December 31, 1962 (11-9-62).

Garcia-Moliner, Carmen, Research Associate in Microbiology, 1/2 time, ten months from November 1, 1962, $2,438 (11-12-62).


Gray, Peter V., Research Associate in Electrical Engineering (S), eleven months from October 1, 1962, $8,000 a year, supersedes (11-12-62).

Greene, Paul C., Professor of Psychology, indefinite tenure, and Administrative Assistant in the Office of the Vice-President (Chicago Undergraduate Division), ten months from November 1, 1962, $14,200 a year, supersedes (12-5-62).


Hanson, Mrs. Dolores M., Assistant Editor in the Office of Public Information, 1/2 time, ten months from November 1, 1962, $3,000 a year (11-9-62).

Harris, Mrs. Brigida, Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), October 22, 1962-August 31, 1963, $5,700 a year (11-8-62).

Henegry, William F., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-20-62).


Hubbard, John L., Jr., Assistant in Neurology and Neurological Surgery (Medicine), six months from January 1, 1963, without salary (11-20-62).

Johnson, A. Beaumont, II, Clinical Associate in Neurological Surgery (Medicine), 1/4 time, one year from September 1, 1962, $1,800 (11-8-62).

Johnson, Olaf K., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (11-16-62).

Johnston, Su A. K., Assistant Extension Editor, with rank of Assistant in Agriculture (S and E), ten months from November 1, 1962, $5,000 a year, supersedes (11-1-62).

Jordan, David M., Assistant Professor of Psychiatry (Medicine), one year from September 1, 1962, without salary (12-5-62).


King, Ivan R., Associate Professor of Astronomy, indefinite tenure from September 1, 1962, $10,000 a year for services rendered during each academic year; on sabbatical leave of absence from September 1, 1962, through February 28, 1963, on full pay, and from March 1 through August 31, 1963, salary to be paid from National Science Foundation Grant, U.S. NSF G-22005 (46-32-10-354); supersedes (11-8-62).
KINSTLE, THOMAS H., Research Associate in Chemistry, nine months from December 1, 1962, $6,500 a year (12-5-62).

KIRK, EDWARD S., Instructor in Physiology and Biophysics, to render service during the second semester of the academic year, March 1-August 31, 1963, $3,875 (10-31-62).

KORN, ROY J., Associate Professor of Medicine, at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for two years from November 18, 1962, $20,000 a year; and Associate Professor of Medicine (Medicine), indefinite tenure from November 18, 1964, without salary, supersedes his nonsalaried appointment (11-16-62).

KORNACKER, MILDRED, Instructor in Sociology (Chicago Undergraduate Division), ½ time, academic year beginning September 1, 1962, $3,867, supersedes (11-13-62).

KOSMAN, MARY E., Research Associate in Psychiatry (Medicine), ten months from November 1, 1962, $7,000 a year (11-16-62).

KOSOVA, LEONARD A., Clinical Assistant in Medicine (Medicine), eleven months from October 1, 1962, without salary (11-16-62).

KRAUSS, DIETLINDE E., Research Associate in Chemistry, five months from April 1, 1963, $487.50 a month (12-5-62).

KYSAR, JOHN E., Instructor in Hygiene and Assistant Director of the Health Service (Chicago Undergraduate Division), ½ time, academic year beginning September 1, 1962, $7,000, supersedes (11-6-62).

LA FONT, MRS. FRANCES M., Assistant in Home Economics (C and S), academic year beginning September 1, 1962, $5,200, supersedes (10-29-62).


LEVINE, MRS. MYRA E., Assistant in Nursing, nine months from September 16, 1962, $5,500, supersedes (11-8-62).

LINDERHOLM, CARL E., Instructor in Mathematics, to render service during the second semester of the academic year, March 1-August 31, 1963, $7,000 a year (11-13-62).

MAIERINGER, FRANZ, Research Associate in Chemistry, ½ time, six months from December 1, 1962, $1,596 (12-5-62).


MAUTZ, ROBERT K., Professor of Accountancy, indefinite tenure from September 1, 1962, to render service during each academic year, $17,750 a year, supersedes (10-29-62).

MEUX, MILTON O., Research Assistant Professor in the Bureau of Educational Research, one year from September 1, 1962, $10,000, supersedes (11-12-62).

MILLER, ARNOLD L., Assistant Professor of Psychology, ½ time, academic year from September 1, 1962, $2,800, supersedes (11-8-62).

MILLER, RAYMOND N., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-20-62).

MOFFAT, JEAN E., Research Assistant in Medicine (Medicine), nine months from December 1, 1962, $4,900 a year (11-20-62).

MOLNAR, JANOS, Research Associate in Biological Chemistry (Medicine), eight months from January 1, 1963, $8,000 a year (11-16-62).

MONIG, MAX, Instructor in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (10-23-62).


NEDELSKY, LEO, Research Associate in Teacher Education (Dentistry), ½ time, ten months from November 1, 1962, $3,750 a year, supersedes (11-16-62).

NELSON, PATRICIA A., Program Director, Illini Union (Chicago Undergraduate Division), eight months from January 1, 1963, $4,800 (12-5-62).

NELSEN, JOHN L., Professor of Naval Science and Head of the Department, indefinite tenure from September 1, 1962, without salary, supersedes (11-1-62).
1962

UNIVERSITY OF ILLINOIS

PAP, Lucia T. F., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (11-16-62).

PAUL, M., Visiting Research Associate in the Digital Computer Laboratory, two months from February 1, 1963, $800 a month (10-29-62).

PETERTON, Helen C., Research Associate in the Bureau of Economic and Business Research, ½ time, October 16, 1962-August 31, 1963, $2,925 a year (10-31-62).

PICKLER, Hanns, Instructor in the Graduate School of Business Administration (College of Commerce and Business Administration), ½ time, nine months from October 1, 1962, $3,000 a year (10-31-62).

PFEFFER, William J., Clinical Instructor in Psychiatry (Medicine), ¼ time, one year from September 1, 1962, $2,100, supersedes nonsalaried appointment (10-23-62).

PRESTON, Ann, Architecture Library Assistant (Library), ten months from November 1, 1962, $5,500 a year (10-28-62).

PSCHELT, Helene, Registered Pharmacist in Hospital Pharmacy (Pharmacy), eleven months from October 1, 1962, $7,000 a year (10-31-62).

RACSTER, Ronald L., Assistant in Finance, nine months from September 16, 1962, $4,000, supersedes (7-24-62).

RAO, Pillarisetty J., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), ½ time, eleven months from October 1, 1962, $5,000 a year, supersedes (10-23-62).

RAPPAORT, Ben Z., Professor of Medicine (Medicine), ½ time, one year from September 1, 1962, $7,500, supersedes (11-16-62).

REED, Mrs. Barbara L., Lecturer in Recreation and Municipal Park Administration (College of Physical Education), to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, without salary; this is in addition to her nonacademic appointment, supersedes (11-26-62).

RESH, James A., Research Associate in the Coordinated Science Laboratory (C), ½ time, February 1-June 15, 1963, $277.77 a month, supersedes (12-5-62).

RIES, Donald G., Research Associate in Chemistry, ten months from November 1, 1962, $5,850 a year (10-31-62).

ROTH, Cynthia M., Assistant in Physical Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, $4,800 (11-21-62).

RUSS, Marjorie, Assistant in Nursing, nine months from September 16, 1962, $5,500, supersedes (12-5-62).

SALOMON, Lawrence, Instructor in Art (Chicago Undergraduate Division), ½ time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, $875 (11-12-62).

SANCHEZ, Antonio, Instructor in Psychiatry (Medicine), one year from September 1, 1962, without salary (11-27-62).

SAVIT, Arthur E., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (10-24-62).

SCHMITZ, Carolyn A., Assistant in Nursing, eleven months from October 1, 1962, $5,500 a year (10-23-62).

SCHUMACHER, Gebhard, Research Associate in the Institution for Tuberculosis Research (Medicine), nine months from December 1, 1962, $625 a month (11-12-62).

SCOTT, Edward J., Associate Professor of Mathematics, ½ time, $9,000, and of Agronomy (S), ½ time, $1,800, indefinite tenure from September 1, 1962, to render service during each academic year, supersedes (10-24-62).

SECTER, Irving, Assistant Professor of Clinical Dentistry (Dentistry), 7/10 time, October 8, 1962-August 31, 1963, $5,950 a year, supersedes (10-24-62).

SLYTER, Leonard L., Research Associate in Dairy Science (S), eleven months from October 1, 1962, $6,850 a year (10-24-62).

SONNENKALB, H., Physician in the Health Service (Medical Center), 3/10 time, eight months from November 1, 1962, $6,500 (10-31-62).

SPOELF, Frank W., Jr., Research Associate in the State Water Survey, ½ time, from October 1, 1962, $3,600 a year (10-23-62).

STARK, Kenneth, Assistant-Counseling in the Student Counseling Service (Provost's Office), ten months from November 1, 1962, $6,250 a year, supersedes (11-13-62).
STEWART, MRS. BEVERLY J., Undergraduate Library Assistant in the Library, nine months from December 1, 1962, $5,500 a year, supersedes (11-16-62).

STOLUROW, LAWRENCE M., Professor of Psychology, to render service during each academic year, on leave of absence with pay, during the second semester, and Professor of Education, in the Bureau of Educational Research (Y basis), leave of absence with pay, from February 1 through June 15, 1963, on indefinite tenure, from September 1, 1962, $12,900 a year, supersedes (11-13-62).

SWERDLOW, ARNOLD B., Clinical Instructor in Surgery (Medicine), eleven months from October 1, 1962, without salary (10-31-62).

TAKANO, TADAO, Instructor in Art (Chicago Undergraduate Division), 1/3 time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, $875 (11-12-62).

TEXTOR, CHARLES S., Clinical Assistant Professor of Neurology and Neurosurgical Surgery (Dentistry), one year from September 1, 1962, without salary (11-13-62).

THOMPSON, EDWARD O., Research Associate in the Institute for Research on Exceptional Children, 1/2 time, academic year beginning September 1, 1962, $3,220 (11-8-62).

WACHSMAN, T., Professor of Microbiology, September 16, 1962-August 31, 1963, $10,380 a year, supersedes (11-8-62).

WENTE, HENRY L., Instructor in Clinical Dentistry (Dentistry), 2/5 time, October 18, 1962-August 31, 1963, $3,000 a year (11-14-62).


WILKINS, JAMES L., Instructor in Sociology (Chicago Undergraduate Division), 1/2 time, to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, $1,500 (11-5-62).

YASHON, DAVID, Assistant in Neurology and Neurosurgical Surgery (Medicine), one year from July 1, 1962, without salary (11-8-62).
GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ALKIRE, WILLIAM H., United States Public Health Service Predoctoral Fellow in Anthropology, one year from October 1, 1962, $2,000 (10-18-62).

ATKINS, GLADYS, United States Public Health Service Fellow in Physiology, one year from September 21, 1962, $2,000, supersedes (10-19-62).

BEERS, GEORGE, National Science Foundation Fellow in Mathematics, one year from June 16, 1962, $5,666.25, supersedes (11-13-62).

BERMAN, MORLEY, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, $600 (10-11-62).


DELLENBACK, BARBARA, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, $600 (10-19-62).


EDWARDS, JOHN R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, $1,800, supersedes (10-24-62).

ELLIOTT, EDWARD L., General Electric Foundation Teaching Fellow in Accountancy, September 16, 1962-June 30, 1963, $1,000; this is in addition to his appointment as Assistant in Accountancy on 1/2 time (11-13-62).

GANTT, R. RAYMOND, United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, $1,733.28, supersedes (11-7-62).


HEINTZ, NORMAN V., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, $600 (10-31-62).

JOHNSON, RICHARD M., Charles E. Merriam Fellow in Political Science, October 1, 1962-June 15, 1963, $1,888.88; and two months from June 16, 1963, $375, supersedes (10-26-62).

KLESSE, WILLIAM R., United States Public Health Service Fellow (Trainee) in Biophysics, one year from December 1, 1962, $2,666 (11-13-62).

LEHRER, LEON M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, $1,733.28, supersedes (11-7-62).

LEVIN, JACOB J., United States Public Health Service Fellow (Trainee) in Neuropharmacology, one year from November 1, 1962, $8,000 (10-26-62).

LEVIN, NATHAN W., United States Public Health Service Fellow (Special) in Medicine, one year from September 26, 1962, without salary (10-17-62).


MCDEWOTT, JAMES A., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from August 1, 1962, $600, supersedes (10-11-62).


MCLELAN, LARRY, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, $600 (10-8-62).

MIXON, JOSEPH E., United States Public Health Service Fellow (Trainee) in Animal Science, eight months from November 1, 1962, $1,667 (11-7-62).

NOTEBOOM, WILLIAM D., United States Public Health Service Predoctoral Fellow in Physiology and Biophysics, one year from October 1, 1962, $2,000 (10-18-62).

SCHATZ, HOWARD, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, $600 (10-11-62).

SELIN, HELEN, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from November 1, 1962, $2,400 (10-31-62).

SNOW, WILLIAM J., General Electric Foundation Teaching Fellow in Accountancy, nine months from September 16, 1962, $1,000; this is in addition to his appointment as Assistant in Accountancy on 1/2 time (11-13-62).
WALSH, PATRICIA J., United States Public Health Service Fellow (Trainee) in Biological Chemistry, eight months from November 1, 1962, $1,733.28, supersedes (11-7-62).

WATSON, JAMES R., United States Public Health Service Fellow in Microbiology, one year from January 1, 1963, $2,000 (10-15-62).

WILLOUGHBY, JEWELL B., Office of Education Fellow in Education, nine months from September 16, 1962, $2,800 (11-5-62).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

CHATMAN, DONALD G., Research Assistant in Medicine (Medicine) — resignation effective October 13, 1962.


CICENA, ZINNIA, Assistant Chief Pharmacist (Medical Center) — declination effective September 1, 1962.

DAY, NORMAN D., Assistant Professor of Architecture — resignation effective March 1, 1963.

GAETANI, SANCIA, Research Associate in Animal Science — resignation effective December 14, 1962.

GARCIA-MOLINER, CARMEN, Postdoctoral Fellow (Trainee) in Microbiology — resignation effective November 1, 1962.

GEORGIOU, GEORGE T., Physician, Health Service (Medical Center) — resignation effective December 1, 1962.

GRAY, JOSEPH L., III, Instructor in Foreign Languages (Chicago Undergraduate Division) — resignation effective March 1, 1963.

GROVES, WILLIAM E., Research Assistant in Chemistry — declination effective June 16, 1962.

HARRIS, MRS. BRIGITA, Research Assistant in Pharmacognosy and Pharmacology (Pharmacy) — resignation effective November 1, 1962.

HERSCHBACH, KORNELIUS, Research Associate in Physics — resignation effective January 1, 1963.

HOFFMANN, RITA C., Research Assistant in Biological Chemistry (Medicine) — resignation effective September 9, 1962.


HUTTON, ROGER S., Assistant in General Engineering — declination effective September 16, 1962.

JACOBSON, MARCUS A., Clinical Instructor in Psychiatry (Medicine) — termination effective September 1, 1962.

KAPPE, DWIGHT F., Associate Professor of Agricultural Engineering — resignation effective November 16, 1962.

KIESO, DONALD E., Instructor in Accountancy — resignation effective March 1, 1963.

KIMURA, HIROSHI, Research Assistant in Food Technology — resignation effective November 22, 1962.

LAWRENCE, ARTHUR G., Clinical Instructor in Surgery (Medicine) — resignation effective November 1, 1962.

LEICHERNER, E. JEANNINE, Research Associate in the Coordinated Science Laboratory — resignation effective December 1, 1962.

MAIER, KENNETH J., Instructor in Radiology (Medicine) — termination effective November 1, 1962.

MINOMURA, SHIGERU, Research Associate in Chemical Engineering — declination effective September 1, 1962.


RAMSEYER, LINDA M., Fellow in Zoology — resignation effective February 1, 1963.

REDFIELD, ALFRED G., George A. Miller Visiting Professor of Physics — cancellation effective October 1, 1962.

SINHA, MRS. INDU BALA, Research Assistant in Plant Pathology — resignation effective December 1, 1962.
LEAVES OF ABSENCE

STOUT, GLENN E., Research Associate in General Engineering — declination effective September 1, 1962.


WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory — declination effective February 1, 1963.

WOLOSHIN, GABRIELLE S., Instructor in Psychiatry (Medicine) — termination effective October 1, 1962.

ZAYAS, AGENOR M., Assistant in Physical Medicine and Rehabilitation (Medicine) — resignation effective October 17, 1962.

LEAVES OF ABSENCE

FREUND, ERIC C., Research Associate in the Bureau of Community Planning — leave of absence, without pay, beginning October 22, 1962, and continuing through December 31, 1962.

GOULD, ORRINE., Assistant Professor of Education — leave of absence, one-fourth time, for the academic year 1962-63, without pay.

MANWELL, CLYDE, Associate Professor of Physiology — leave of absence, without pay, for two years from September 1, 1963, so that he may spend those two years in research and studies abroad.

RAPP, MARIE A., Circulation Librarian, with rank of Assistant Professor, in the Chicago Undergraduate Division — leave of absence, without pay, for four months from December 1, 1962.

ROBERG, NORMAN B., Professor of Medicine, in the College of Medicine — leave of absence, without pay, for two years from July 1, 1963.

RUDIN, CECILIA M., Instructor in English, in the Chicago Undergraduate Division — leave of absence, without pay, beginning November 2, 1962, and continuing through August 31, 1963, on account of illness.

SANDAGE, CHARLES H., Professor of Advertising and Head of the Department, in the College of Journalism and Communications — leave of absence, one-half time, without pay, from September 1, 1963, through February 29, 1964.

SMITH, ROBERT J., Professor of Architecture — disability leave of absence, with full pay, beginning November 2, 1962, and continuing until the beginning of the second semester.

CHANGES IN SABBATICAL LEAVES OF ABSENCE

KING, IVAN R., Associate Professor of Astronomy — from sabbatical leave for the academic year 1962-63 on one-half pay to sabbatical leave of absence from September 1, 1962, and continuing through February 28, 1963, on full pay, and from March 1 through August 31, 1963, his salary to be paid from a National Science Foundation Grant, U.S. NSF G-22005 (46-32-10-354).

STOLUROW, LAWRENCE M., Professor of Psychology and of Education, in the Bureau of Educational Research — from sabbatical leave of absence for the academic year 1962-63 on one-half pay to leave of absence, with pay, from February 1 through June 15, 1963.

DEAN MARY K. MULLANE

At this point, Dean Mary K. Mullane of the College of Nursing was introduced and she addressed the Board briefly on the recent developments in education for nursing and on the state of the University of Illinois College of Nursing.

JANUARY MEETING

On motion of Mr. Swain, the Board voted to change the date of the January, 1963, meeting from Wednesday, January 16, to Thursday, January 17, 1963; and to hold this meeting in Springfield at a place and according to a schedule to be determined by the President and the Secretary of the Board.

ANNUAL MEETING

On motion of Mr. Johnston, the Board voted to change the date of the
next annual meeting from Tuesday, March 12, to Wednesday, March 20, 1963.

President Henry asked that the Trustees consider holding a special meeting, or meetings and conferences of Board committees, in January following the regular meeting. The dates of January 19 and 22 were suggested. It was the consensus of the Board that the Secretary of the Board, in consultation with the Committee Chairmen, canvass the Trustees to set a suitable date if the business of the University required such a meeting of the Board or of Board Committees.

TRIBUTE TO MR. WILKINS

Mr. Wilkins will leave office as Superintendent of Public Instruction of Illinois on January 14, so that today's meeting of the Board of Trustees of the University is the last he will attend as an ex officio member of the Board.

On motion of Mr. Swain, the Board of Trustees gave Mr. Wilkins a rising vote of thanks for his services as a member of this Board.

RECESS

At 12:15 p.m., on motion of Mrs. Watkins, the Board recessed for luncheon. Members of the Board of Trustees, officers of the Board, officers of the University, and representatives of the press were guests of officers of the First National Bank of Chicago at luncheon.

Following the recess, on motion of Mr. Pogue, the Board adjourned.

A. J. JANATA  HOWARD W. CLEMENT
Secretary  President
MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

January 17, 1963

The January meeting of The Board of Trustees of the University of Illinois was held in Room M-3, State House, Springfield, Illinois, on Thursday, January 17, 1963, beginning at 2:00 p.m. Prior to the meeting, the Trustees, officers of the University, and representatives of the press were guests of Governor and Mrs. Otto Kerner for luncheon at the Executive Mansion.

The following members of the Board were present at the meeting: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Governor Otto Kerner, Mr. Ray Page, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Harold Pogue was absent on account of illness.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. William H. Rice, Administrative Assistant (Legislative Relations), President's Office; and the officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
ANNOUNCEMENTS BY THE PRESIDENT OF THE BOARD

On behalf of the Board, President Clement welcomed the Governor to the meeting, and also Mr. Page, who was attending his first meeting as an ex officio member of the Board.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1913, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
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<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
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<td>Richard Byron Cole</td>
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<td>James Everett Cook</td>
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<td>Myron Raymond Hess</td>
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<td>California</td>
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<td>Jerome Joseph McCarthy</td>
<td>East St. Louis, Illinois</td>
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<td>Harold Ellsworth Quill</td>
<td>Bettendorf, Iowa</td>
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<tr>
<td>Stuart Arthur Simel</td>
<td>East Williston, New York</td>
<td>New York</td>
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<tr>
<td>Robert L. Van De Voorde</td>
<td>Rock Island, Illinois</td>
<td>Iowa</td>
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I concur.

On motion of Mr. Hughes, these certificates were awarded.

BUDGET FOR 1963 SUMMER SESSION AND FACULTY APPOINTMENTS

(2) Submitted herewith is the budget and appointments to the faculty for the 1963 Summer Session: at Urbana-Champaign from June 17 through August 10; at the Chicago Undergraduate Division from June 21 through August 16; and at the Medical Center from June 17 through September 7.

The distribution of the budgeted funds is as follows:

Salaries
- Urbana-Champaign: $862,919
- Medical Center: $11,803
- Reserve: $45,278
- Chicago Undergraduate Division: $144,023
- Reserve: $977
- Total, Chicago Undergraduate Division: $145,000
- Total, Summer Session Salaries: $1,065,000

Wages, Expense, and Equipment
- Urbana-Champaign: $18,610
- Total, Summer Session Budget: $1,083,610

Salaries of members of the University faculty recommended for summer session appointments are computed on the basis of the standard formula: two-ninths of the salary of the academic year for eight weeks of service, with proportionate amounts for shorter periods or for part-time service. The appointments being recommended include a number of visiting lecturers from other colleges and universities at the salaries indicated.
I recommend that the appointments to the summer session staff be approved as submitted, and that the President of the University be authorized to accept resignations and make such changes and adjustments and additional appointments as are necessary in accordance with the needs of the University within the allocations of funds indicated.

On motion of Mr. Swain, these appointments and the Summer Session budget were approved, and authority was given as requested, this action being taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

### URBANA-CHAMPAIGN

#### Accountancy

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<th>Name</th>
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<td>1. Gaze E. Lukas, Professor</td>
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<td>2. R. K. Mautz, Professor</td>
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<td>3. William E. Thomas, Jr., Professor</td>
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<td>4. Nelson D. Wakefield, Professor</td>
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<td>5. Arthur R. Wyatt, Professor</td>
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<td>6. Darwin J. Casler, Assistant Professor</td>
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<td>7. Philip E. Fess, Assistant Professor</td>
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<td>8. Nancy A. Desmond, Instructor</td>
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<td>9. James E. Wheeler, Instructor</td>
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#### Advertising

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<td>1. James E. Moyer, Associate Professor</td>
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<td>1. Joseph B. Casagrande, Professor</td>
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<td>2. Demitri B. Shimkin, Professor</td>
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<td>3. Elaine A. Bluhm, Assistant Professor</td>
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<td>4. Frederic K. Lehman, Research Associate</td>
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<td>5. ————, Assistant</td>
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<td>6. ————, Assistant</td>
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<td>7. ————, Assistant</td>
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#### Architecture

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<td>1. John G. Replinger, Professor</td>
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<td>2. George M. Hodge, Jr., Associate Professor</td>
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<td>3. Harold L. Hornbeak, Associate Professor</td>
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<td>4. Jack H. Swing, Associate Professor</td>
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<td>5. James B. Wallace, Associate Professor</td>
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#### Art

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<td>1. Glenn R. Bradshaw, Professor</td>
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<td>2. Nicholas Britsky, Professor</td>
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<td>3. C. V. Donovan, Professor</td>
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<td>4. W. F. Doolittle, Professor</td>
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<td>6. R. E. Hult, Professor</td>
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<td>7. Frank J. Roos, Jr., Professor</td>
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<td>8. Nicola Ziroli, Professor</td>
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<td>9. Carleton W. Briggs, Associate Professor</td>
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<td>10. Donald E. Frith, Associate Professor</td>
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<td>11. Raymond Perlman, Associate Professor</td>
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<td>12. Robert A. von Neumann, Associate Professor</td>
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<td>13. ————, Assistant Professor</td>
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<td>14. Roger L. Majorowicz, Instructor</td>
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($24 860)
University of Illinois Bands

1. Everett D. Kisinger, Assistant Director........................................... 50 $ 1,178
   (See Music) ........................................................................... (25) (589)
   (Total Salary) ...................................................................... (1,757)
   ($ 1,178)

Botany

1. Lawrence C. Bliss, Associate Professor........................................... 100 $ 1,967
2. Dale M. Smith, Associate Professor................................................. 100 1,756
3. Zane B. Carothers, Assistant Professor......................................... 100 1,445
4. .............................................. 50 445
5. .............................................. 50 445
   ($ 6,591)

Graduate School of Business Administration

1. Helmy H. Baligh, Assistant Professor.............................................. 100 $ 1,778
2. Leon Richartz, Assistant Professor ................................................. 100 1,778
3. .............................................. 100 2,000
   ($ 5,556)

Business Education

1. Ralph E. Mason, Associate Professor.............................................. 50 $ 1,060
2. Mildred E. Reed, Assistant Professor (June 17 to July 13) .... 100 834
   ($ 1,894)

Business Law

1. Paul C. Roberts, Professor ......................................................... 50 $ 1,356
2. Robert N. Corley, Associate Professor........................................... 50 1,034
   ($ 2,390)

Chemistry and Chemical Engineering

1. Thomas J. Hanratty, Associate Professor........................................ 100 $ 2,356
2. Dean F. Martin, Assistant Professor............................................... 100 1,600
3. Roger A. Schmidt, Assistant Professor.......................................... 100 1,667
4. John E. Baldwin, Instructor ....................................................... 100 1,645
5. James L. Brownlee, Instructor .................................................... 100 1,645
6. .............................................. 50 489
7. .............................................. 50 489
8. .............................................. 50 489
9. .............................................. 50 489
10. ........................................... 50 489
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12. ........................................... 50 489
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14. ........................................... 50 489
15. ........................................... 50 489
16. ........................................... 50 489
17. ........................................... 50 489
18. ........................................... 50 489
19. ........................................... 50 489
20. ........................................... 50 489
21. ........................................... 50 445
22. ........................................... 33 297
23. ........................................... 33 297
24. ........................................... 33 297
25. Philip Kinsey, Visiting Lecturer .................................................. 100 1,889
   (366b Noyes Laboratory, Urbana, Illinois)
26. ........................................... 100 3,300
27. ........................................... 100 2,889
28. ........................................... 100 2,800
29. ........................................... 100 2,700
30. ........................................... 100 2,700
31. ........................................... 100 1,800
32. ........................................... 100 1,800
33. ........................................... 100 1,778
34. ........................................... 100 1,600
### Civil Engineering Summer Surveying Camp

<table>
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<td>36.</td>
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### Child Development

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<td>1.</td>
<td>Collene B. King</td>
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### Civil Engineering

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<td>Narbev Khachaturian</td>
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### Civil Engineering Summer Surveying Camp

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<tr>
<td>1.</td>
<td>Milton O. Schmidt</td>
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<td></td>
<td>(June 10 to August 10)</td>
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<td>$ 2 750</td>
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<td>(June 17 to July 20)</td>
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<td>800</td>
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<td>3.</td>
<td>Albert P. Ruotsala</td>
<td>Visiting Lecturer</td>
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<td></td>
<td>(June 17 to July 20)</td>
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<td>1 075</td>
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<tr>
<td></td>
<td>(Northern Illinois University, DeKalb, Illinois)</td>
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<td>4.</td>
<td>Walter A. Scott</td>
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### Classics

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<td>John J. Bateman</td>
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<td>2.</td>
<td>William P. Donovan</td>
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<td>Sylvian R. Ray</td>
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<td>J. F. Bell</td>
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<td>Royall Brandis</td>
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<td>Hans J. Brems</td>
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<td>Donald L. Kemmerer</td>
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<td>Robert W. Resek</td>
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<td>Franklin R. Shupp</td>
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<td>Stanley W. Steinkamp</td>
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### Education

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<td>Fred P. Barnes</td>
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<td>Glenn M. Blair</td>
<td>Professor</td>
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<td>Harry S. Broyd</td>
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<td>R. William Burnett</td>
<td>Professor</td>
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### Total: $43,466
5. John J. DeBoer, Professor ........................................... 100 2 512
6. Norman E. Gronlund, Professor ................................... 100 2 245
7. Stanley G. Hall, Professor of General Engineering (July 15 to August 10) ........................................ 100 1 245
8. Harold C. Hand, Professor ........................................... 100 3 478
9. Kenneth B. Henderson, Professor ................................... 100 2 734
10. Pearl Z. Janssen, Professor of Foods .......................... 13 303
      (See Home Economics) ........................................ (87) (2 031)
      (Total Salary) ........................................... (2 334)
11. Walter V. Kauffars, Professor ..................................... 100 2 223
12. Clyde G. Knapp, Professor .......................................... 100 2 334
13. John E. McGill, Professor ........................................... 100 2 300
14. Lawrence E. Metcalf, Professor ................................... 100 2 312
15. Perry E. Miller, Professor .......................................... 100 3 223
16. Walter J. Moore, Professor .......................................... 100 2 334
17. T. Ernest Newland, Professor ...................................... 100 2 223
18. Robert E. Pingry, Professor ........................................ 100 2 589
19. Fred C. Proff, Professor ............................................. 100 2 356
20. J. H. Shores, Professor ............................................. 100 2 623
21. Ray H. Simpson, Professor ......................................... 100 2 689
22. B. Othanel Smith, Professor ....................................... 100 3 412
23. W. O. Stanley, Professor ........................................... 100 2 678
24. Celia B. Stendler, Professor ....................................... 100 2 523
25. Warren C. Bonney, Associate Professor ....................... 100 2 112
26. Joe R. Burnett, Associate Professor .......................... 100 1 945
27. Basil Castaldi, Associate Professor .......................... 100 2 134
28. Frank Costin, Associate Professor of Psychology ........ 50 1 112
29. Floyd L. Crank, Associate Professor (June 17 to July 13) .. 100 2 867
30. Stephen P. Henley, Associate Professor ........................ 100 2 134
31. Robert A. Henderson, Associate Professor .................... 100 2 112
32. Charles E. Johnson, Associate Professor ....................... 100 2 156
33. Kenneth M. Lansing, Associate Professor ..................... 100 1 978
34. Mary E. Mather, Associate Professor .......................... 75 1 400
35. Lloyd E. McCleary, Associate Professor ....................... 100 2 245
36. Foster McMurray, Associate Professor ......................... 100 1 900
37. Elizabeth R. Nelson, Associate Professor of Business Edu-
      cation (June 17 to July 13) ................................ 100 1 167
38. W. L. Shoemaker, Associate Professor .......................... 100 1 984
39. Elizabeth J. Simpson, Associate Professor ..................... 75 1 558
40. John G. Chaltas, Assistant Professor .......................... 100 1 823
41. Thomas E. Culliton, Jr., Assistant Professor ............... 100 1 789
42. William H. Evans, Assistant Professor ......................... 100 1 845
43. Virginia Guthrie, Assistant Professor of Home Management
      (July 15 to August 10) ..................................... 50 423
44. Frank H. Klassen, Assistant Professor ......................... 100 1 778
45. John R. Palmer, Assistant Professor ........................... 100 1 889
46. Clarence Phillips, Assistant Professor of Mathematics ..... 50 789
      (See Mathematics) ........................................ (50) (789)
      (Total Salary) ............................................. (1 578)
47. William J. Schill, Assistant Professor ......................... 100 1 889
48. Robert L. Spaulding, Assistant Professor ..................... 100 1 800
49. Jerry L. Walker, Assistant Professor .......................... 100 1 724
50. Harry F. Breen, Jr., Instructor ................................ 100 1 578
51. Daniel Householder, Instructor ................................ 100 1 512
52. Daniel A. Lindley, Jr., Instructor ............................ 50 723
53. James Walden, Instructor ........................................ 100 1 378
54. Inez E. Bishop, Assistant ........................................ 50 545
55. Ira Gross, Assistant .............................................. 50 478
56. Eugene R. Irving, Assistant (July 15 to August 10) ........ 100 545
57. Robert Lee Jozwiak, Assistant (July 15 to August 10) ..... 100 545
58. Samuel Rosen, Assistant ......................................... 50 478
59. Joseph A. Twaranovica, Assistant ............................ 50 545
60. ________, Assistant ........................................ 50 545
61. ________, Assistant ........................................ 50 545
62. ________, Assistant ........................................ 50 545
63. ________, Assistant ........................................ 50 545
64. ________, Assistant ........................................ 50 545
65. ________, Assistant ........................................ 50 545
66. ________, Assistant ........................................ 50 545
67. ________, Assistant (June 17 to July 13) ............ 100 545
68. ________, Assistant (July 15 to August 10) ......... 100 545
69. R. H. Eckelberry, Visiting Lecturer .................. 100 2,600
   (2444 Andover Road, Columbus 21, Ohio)
70. Eugene L. Gaier, Visiting Lecturer .................. 100 2,000
   (University of Buffalo, Buffalo 14, New York)
71. H. J. Hallworth, Visiting Lecturer .................. 100 2,200
   (23 Links Drive, Solihull, Warwickshire, England)
72. Henry R. Kaczkowski, Visiting Lecturer .......... 100 2,000
   (105 Gregory Hall, Urbana, Illinois)
73. M. Jean Phillips, Visiting Lecturer ............... 100 1,600
   (105 Gregory Hall, Urbana, Illinois)
74. Joyce F. Wylie, Visiting Lecturer .................. 100 2,300
   (University of Sydney, Sydney, New South Wales,
   Australia)
75. ________, Visiting Lecturer .......................... 100 2,200
76. ________, Visiting Lecturer .......................... 100 2,200
77. ________, Visiting Lecturer .......................... 100 2,200
78. ________, Visiting Lecturer .......................... 100 2,200
79. ________, Visiting Lecturer .......................... 100 2,200
80. ________, Visiting Lecturer .......................... 100 2,200
81. ________, Visiting Lecturer .......................... 100 2,200
82. ________, Visiting Lecturer .......................... 100 2,200
83. ________, Visiting Lecturer .......................... 100 1,400
84. ________, Visiting Lecturer .......................... 100 1,400
85. ________, Visiting Lecturer .......................... 100 1,300
86. ________, Visiting Lecturer .......................... 50 1,000
87. ________, Visiting Lecturer .......................... 50 1,000
88. ________, Visiting Lecturer .......................... 50 800

Electrical Engineering

1. George E. Amner, Professor ......................... 100 $ 3,000
2. L. B. Archer, Professor .......................... 100 2,600
3. Willis L. Emery, Professor ......................... 50 1,445
4. M. S. Helm, Professor .......................... 100 2,600
5. C. A. Keener, Professor .......................... 100 3,112
6. G. R. Peirce, Professor .......................... 100 2,512
7. P. F. Schwarzlose, Professor ..................... 50 1,200
8. C. E. Skroder, Professor .......................... 100 2,267
9. Jerome Earl Williams, Professor .................. 100 2,534
10. Roger W. Burtness, Associate Professor ........ 100 2,645
11. Milton H. Crothers, Associate Professor ....... 100 2,312
12. Paul R. Egbert, Associate Professor ............. 100 2,089
13. Edward W. Ernst, Associate Professor ........... 100 2,623
14. Daniel F. Hang, Associate Professor .................. 100 2,334
15. Benjamin Kuo, Associate Professor ........ ...... 100 2,156
16. Millard S. McVay, Associate Professor ............ 100 2,556
17. ________, Associate Professor .................... 100 1,800
18. Philip A. Bauman, Assistant Professor .......... 100 1,645
19. V. Gourishankar, Assistant Professor ............. 50 845
20. Paul K. Hudson, Assistant Professor ............. 50 1,056
21. Edwin C. Jones, Jr., Assistant Professor ....... 100 845
22. ________, Assistant Professor ..................... 100 1,600
23. Arnold W. Dipert, Instructor ..................... 50 556
24. John R. Lehmann, Jr., Instructor ................. 50 712

($47,044)
## English

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<td>Gwynne B. Evans</td>
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<tr>
<td>Bruce Harkness</td>
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<td>Roland M. Smith</td>
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<td>Harris W. Wilson</td>
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<td>August L. Altenbernd</td>
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(Duke University, Durham, North Carolina)

## Entomology

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($50,033)

## Finance

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($6,403)

## French

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<td>Philip A. Wadsworth</td>
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<td>Bruce H. Mainous</td>
<td>Associate Professor</td>
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<td>Stanley E. Gray</td>
<td>Assistant Professor</td>
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<tr>
<td>Paul A. Mankin</td>
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<td>$1,667</td>
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5. Philip H. Stephan, Assistant Professor .................. 67  993
6. Herbert C. DeLey, Jr., Instructor .......................... 100  1 234
7. Paul E. Barrette, Instructor ................................. 100  1 423
8. __________, Assistant ........................................ 50  445
9. __________, Assistant ........................................ 50  445
10. __________, Assistant ....................................... 50  445
11. __________, Assistant ....................................... 50  445
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13. __________, Assistant ....................................... 50  445
14. __________, Assistant ....................................... 50  445
15. __________, Assistant ....................................... 50  445
16. __________, Assistant ....................................... 50  445
17. __________, Assistant ....................................... 50  445
18. __________, Assistant ....................................... 50  445
19. __________, Assistant ....................................... 50  445
20. Vasile C. Barsan, Assistant .................................. 50  545
(7 Bryan Place, Charleston, Illinois)

General Engineering
1. Robert P. Borri, Associate Professor ..................... 50  $ 978
2. John P. Hipkind, Assistant Professor ........................ 100 1 489
3. Donald E. Scheck, Assistant Professor ..................... 100 1 556
4. Robert W. Bokenkamp, Instructor .......................... 50  889

Division of General Studies
1. Francis A. Uecker, Assistant Professor of Biological Sciences 100  $ 1 556
2. Reinhart A. Brust, Assistant in Biological Sciences ........ 50  445
3. James Evan House, Assistant in Physical Sciences ........ 50  484

Geography
1. Fred W. Foster, Professor ................................... 75  $ 2 192
2. J. L. Page, Professor ........................................ 100 2 512
3. C. S. Alexander, Associate Professor ........................ 75  1 434
4. Jerome D. Fellmann, Associate Professor ................... 75  1 634
5. Howard G. Roepke, Associate Professor ..................... 75  1 625
6. __________, Assistant ........................................ 50  445
7. __________, Assistant ........................................ 25  223
8. __________, Assistant ........................................ 25  223

Geology
1. George W. White, Professor (July 15 to August 10) ...... 100  $ 2 067
2. __________, Professor (June 17 to July 13) ............... 100 1 289
3. Frederick W. Cropp, Assistant Professor ................... 100 1 823
4. W. Hilton Johnson, Instructor ................................ 100 1 400
5. Robert B. Furlong, Assistant ................................ 100  889
6. Franklin D. Patton, Assistant ................................ 100  889
7. Donald R. Coates, Visiting Lecturer ....................... 100  2 000
(Harpur College, Binghamton, New York)
8. Frank L. Koucky, Visiting Lecturer ........................ 100  2 000
(University of Cincinnati, Cincinnati, Ohio)
9. Wilton N. Melhorn, Visiting Lecturer ....................... 100  2 000
(Purdue University, Lafayette, Indiana)

German
1. Henri Stegemeier, Professor ................................ 100  $ 2 667
2. Francis J. Nock, Associate Professor ....................... 100 2 134
3. Otto Dornberg, Instructor ................................... 50  700
4. Charles B. Giordano, Instructor ............................ 50  667
5. Ausrele Mary Guckel, Instructor ............................ 100  1 289
6. Werner Marx, Instructor ..................................... 100  1 423
7. Michael M. Metzger, Instructor ............................ 100  1 400
8. Walter L. Robbins, Instructor .................................................. 50 700
9. David E. Silas, Instructor ..................................................... 100 1 412
10. Thomas C. Starnes, Jr., Instructor ......................................... 100 1 289
     ($13,681)

Health and Safety Education
1. A. E. Florio, Professor .......................................................... 50  $1,528
2. Warren J. Huffman, Associate Professor ................................... 100  2,312
     ($3,840)

History
1. C. Ernest Dawn, Professor .................................................... 80  $1,974
2. Deo J. Geanakoplos, Professor .............................................. 80  2,098
3. Raymond P. Stearns, Professor .............................................. 80  2,632
4. James L. Bates, Associate Professor ...................................... 80  1,636
5. John B. Sirich, Associate Professor ...................................... 80  1,627
6. Clark C. Spence, Associate Professor ..................................... 100  2,334
7. Robert B. Crawford, Assistant Professor ................................ 100  1,689
8. Mary Lucille Shay, Assistant Professor ................................... 100  1,912
9. Arthur Lee Ferrill, Assistant ................................................ 50  445
10. Richard Allen Swanson, Assistant .......................................... 50  445
11. C. Harvey Garrett, Visiting Lecturer ...................................... 100  3,040
     (Southern Illinois University, Carbondale, Illinois)
12. Ralph J. Roske, Visiting Lecturer ......................................... 100  2,400
     (Humboldt State College, Arcata, California)
     ($22,232)

Home Economics
1. Pearl Z. Janssen, Professor .................................................. 87  $2,031
     (See Education) .................................................................. (13)  (303)
     (Total Salary) .................................................................... (13)  (334)
2. Mildred Bonnell, Associate Professor (June 17 to July 13) ....... 100  1,056
3. Virginia Guthrie, Assistant Professor (June 17 to July 13) ...... 100  845
4. Willie Mae Mowrer, Assistant Professor ................................... 50  889
5. Mary S. Herndon, Instructor .................................................... 50  700
6. Helen House, Assistant (June 17 to July 13) ........................... 100  589
7.  .......................................................................................... 50  944
     ($ 7,110)

Journalism
1. Jay W. Jensen, Associate Professor .......................................... 50  $1,528
     ($1,528)

Law
1. C. H. Bowman, Professor ......................................................... 100  $3,289
2. Kenneth S. Carlston, Professor ................................................. 100  3,556
3. Rubin G. Cohn, Professor .......................................................... 100  4,134
4. Wyle H. Davis, Professor .......................................................... 100  3,556
5. George T. Frampton, Professor ............................................... 100  4,223
6. Harold W. Holt, Professor ....................................................... 100  4,677
7. Eugene F. Scopes, Professor .................................................... 100  4,000
8. Joel F. Handler, Assistant Professor ......................................... 100  2,556
     ($28,781)

Graduate School of Library Science
1. Harold Goldstein, Professor .................................................... 100  $2,378
2. Anne L. Corbitt, Associate Professor ........................................ 100  2,223
3. Winifred Ladley, Associate Professor ........................................ 100  2,067
4. Cora E. Thomassen, Assistant Professor ................................... 100  1,667
5. Howard W. Cordell, Instructor .................................................. 100  1,334
6. ........................................................... Assistant .................. 100  889
7. ........................................................... Assistant .................. 100  889
8. ........................................................... Assistant .................. 100  889
9. ........................................................... Assistant .................. 50  445
10. Ann M. Fox, Visiting Lecturer ................................................. 100  1,400
     (609 West Healey Street, Champaign, Illinois)
11. Margaret Oldfather, Visiting Lecturer. .......... 100 1 800
   (Ohio State University, Columbus, Ohio)
12. Ralph H. Parker, Visiting Lecturer. .......... 100 2 000
   (1104 South Glenwood, Columbia, Missouri)
13. , Visiting Lecturer. .......... 100 1 800
   ($19 781)

Management
1. M. J. Mandeville, Professor. .......... 100 $ 3 156
2. Irvin L. Heckmann, Jr., Associate Professor. .......... 100 2 378
3. Donald L. Perry, Assistant. .......... 50 445
   ($ 5 979)

Marketing
1. Fred M. Jones, Professor. .......... 100 $ 2 734
2. Donald W. Scotton, Associate Professor. .......... 100 2 400
   ($ 5 134)

Mathematics
1. Colin R. Blyth, Professor. .......... 50 $ 1 445
2. Henry J. Miles, Professor. .......... 55 1 378
3. William A. Ferguson, Associate Professor. .......... 50 1 056
4. R. G. Langebartel, Associate Professor. .......... 100 2 178
5. Harlan G. H. Bartram, Assistant Professor. .......... 100 1 889
6. George R. Blakley, Assistant Professor. .......... 100 1 734
7. Clarence Phillips, Assistant Professor. .......... 50 789
   (See Education) (50) (789)
8. Neal J. Rothman, Assistant Professor. .......... 100 1 778
9. Paul M. Weichsel, Assistant Professor. .......... 100 1 778
10. Gordon E. Brown, Instructor. .......... 100 1 445
11. John A. Eagon, Instructor. .......... 100 1 667
12. William J. Leahey, Instructor. .......... 100 1 667
13. Cin-Pi Lu, Instructor. .......... 100 1 600
14. George H. Orland, Instructor. .......... 100 1 667
15. R. Kestha Rao, Instructor. .......... 100 1 556
16. Donald R. Sherbert, Instructor. .......... 100 1 445
17. Assistant. .......... 100 889
18. Assistant. .......... 100 889
19. Assistant. .......... 100 889
20. Assistant. .......... 100 889
21. Assistant. .......... 100 889
22. Assistant. .......... 100 889
23. Assistant. .......... 50 445
25. Assistant. .......... 50 445
26. Assistant. .......... 50 445
27. Assistant. .......... 50 445
28. Assistant. .......... 50 445
29. Assistant. .......... 50 445
30. Assistant. .......... 50 445
31. Assistant. .......... 50 445
32. Assistant. .......... 50 445
33. Assistant. .......... 33 297
34. Assistant. .......... 33 297
   ($35 383)

Mechanical an Industrial Engineering
1. Eugene F. Hebrank, Professor. .......... 100 $ 2 534
2. William L. Hull, Professor. .......... 100 2 756
3. Edwin D. Luke, Professor. .......... 100 2 600
4. Eugene I. Radzimovsky, Professor. .......... 100 2 667
5. Willard E. Bahr, Associate Professor. .......... 50 1 078
6. James W. Bayne, Associate Professor. .......... 100 2 089
7. Wen Lung Chow, Associate Professor. .......... 50 1 123
8. Wilbert F. Stoecker, Associate Professor .......... 50 1 123
9. Ross P. Strout, Associate Professor .......... 50 956
10. Parker H. Badger, Lecturer .......... 50 934
11. Ronald H. Howell, Instructor .......... 50 734
12. S. Kamalingam, Instructor .......... 50 745
13. Morse B. Singer, Instructor .......... 50 834
14. Gerald W. Harde, Assistant .......... 33 326
15. James J. Stukel, Assistant .......... 50 489

Microbiology
1. Joan McCamish, Instructor .................. 100 $1 667
2. Alice C. Helm, Assistant .................. 100 889
3. ————, Assistant .................. 50 445
4. ————, Assistant .................. 50 445

Music
1. Bjornar Bergethon, Professor .............. 50 $1 356
2. Harold A. Decker, Professor .............. 75 2 100
3. Bruce R. Foote, Professor .............. 100 2 889
4. Scott Goldthwaite, Professor .............. 100 2 712
5. Mark H. Hindsley, Professor .............. 33 983
6. J. Robert Kelly, Professor .............. 100 2 312
7. Charles Leonhard, Professor .............. 100 2 956
8. A. J. McDowell, Professor .............. 100 2 232
9. Paul S. Pettinga, Professor .............. 100 2 512
10. Dragan Planerac, Professor .............. 100 2 956
11. Paul Rolland, Professor .............. 50 1 345
12. Haskell O. Sexton, Professor .............. 50 1 178
13. Robert H. Swenson, Professor .............. 50 1 134
14. Gilbert R. Waller, Professor .............. 75 1 797
15. Grace E. Wilson, Professor .............. 75 1 90
16. Ludwig Zirner, Professor .............. 75 900
17. Andrew Morris Carter, Associate Professor ........ 25 529
18. Robert E. Gray, Associate Professor ........ 67 1 260
19. King Kellogg, Associate Professor ........ 50 1 112
20. Everett D. Kissinger, Associate Professor ........ 25 589

(See University of Illinois Bands) .......... (50) (1 178)

(See University of Illinois Bands) .......... (50) (1 178)

Total Salary .......... 1 667

21. William H. Miller, Associate Professor ........ 100 2 000
22. Robert E. Thomas, Associate Professor ........ 100 2 394
23. Edward S. Berry, Jr., Assistant Professor ........ 25 778
24. Blaine E. Edleisen, Assistant Professor ........ 50 600
25. Thomas L. Holden, Assistant Professor ........ 33 1 956
26. Howard Karp, Assistant Professor ........ 100 1 534
27. Edward J. Krock, Assistant Professor ........ 33 1 667
28. Royal B. MacDonald, Assistant Professor ........ 100 1 200
29. Eric L. Dalheim, Instructor ........ 100 1 084
30. Clayton Henderson, Instructor ........ 75 778
31. James B. Lyke, Instructor ........ 50 548
32. Marilyn R. Pfeiderer, Instructor ........ 33 589
33. Alan R. Thomas, Instructor ........ 100 1 263
34. Milan Kaderavek, Assistant ........ 50 445
35. Jane Schleicher, Assistant ........ 33 297
36. ————, Assistant ........ 100 889
37. ————, Assistant ........ 100 889
38. ————, Assistant ........ 100 889
39. ————, Assistant ........ 100 889
40. Ronald Fink, Visiting Lecturer ........ 33 297

(Hartsburg-Emden High School, Hartsburg, Illinois) ........ 100 2 500
41. ————, Visiting Lecturer ........ 67 1 500

($)58 228
### Nuclear Engineering

1. Marvin E. Wyman, Professor .................................. 50 $ 1689
2. Daniel F. Hang, Associate Professor .......................... 50 $ 167
3. George H. Miley, Assistant Professor .......................... 50 $ 923
4. Bernard W. Wehring, Assistant ................................. 50 $ 489
5. Dayton D. Wittke, Assistant ................................... 50 $ 489

**Philosophy**

1. D. W. Gotshalk, Professor .................................... 12$3 124 $ 462
2. ————, Professor ............................................... 100 $ 3300
3. Harry M. Tiebout, Jr., Associate Professor ............... 67 $ 1378
4. ————, Assistant Professor .................................. 100 $ 1600
5. ————, Assistant Professor .................................. 100 $ 1550
6. John F. Logan, Instructor .................................... 100 $ 445

**($ 4757)**

### Physical Education for Men

1. T. K. Cureton, Jr., Professor ................................. 100 $ 3612
2. Alfred W. Hubbard, Professor ................................. 100 $ 2400
3. Alan J. Barry, Assistant Professor ........................... 100 $ 990
4. Howard J. Braun, Assistant Professor ....................... 25 $ 445
5. Ralph E. Fletcher, Assistant Professor ...................... 33 $ 689
6. William L. Hottinger, Instructor .............................. 25 $ 369
7. Roy J. Keller, Instructor ...................................... 60 $ 800
8. Robert D. Leigh, Instructor .................................. 25 $ 322
9. Eugene C. Stauber, Instructor ................................. 25 $ 433
10. Linwood G. Bechtel, Assistant ............................... 25 $ 300
11. Peter T. Magnabosco, Assistant ............................. 25 $ 250
12. Michael A. Sherman, Assistant .............................. 25 $ 297
13. John M. Cooper, Visiting Lecturer ......................... 100 $ 2200

*(University of Southern California, Los Angeles, California)*

**($15017)**

### Physical Education for Women

1. Beulah J. Drom, Assistant Professor ........................ 50 $ 873
2. Olive G. Young, Associate Professor ........................ 50 $ 928
3. Florence Patricia Cullen, Instructor ......................... 50 $ 795
4. Marjorie M. Harris, Instructor .............................. 75 $ 1084
5. Marjorie A. Souder, Instructor .............................. 50 $ 723
6. Madeline Dasch, Assistant ................................... 25 $ 223

**($4626)**

### Physics

1. ————, Visiting Lecturer .................................... 100 $ 2400
2. ————, Visiting Lecturer .................................... 100 $ 2400
3. ————, Visiting Lecturer .................................... 100 $ 2400
4. ————, Assistant ............................................. 50 $ 467
5. ————, Assistant ............................................. 50 $ 467
6. ————, Assistant ............................................. 50 $ 467

**($8601)**

### Physiology and Biophysics

1. John D. Anderson, Associate Professor ........................ 100 $ 2323
2. Stanley G. Stolpe, Associate Professor ........................ 100 $ 1934
3. ————, Assistant ............................................. 50 $ 445
4. ————, Assistant ............................................. 50 $ 445
5. ————, Assistant ............................................. 50 $ 445

**($5592)**

### Political Science

1. Richard L. Butwell, Associate Professor ....................... 100 $ 1934
2. Denis G. Sullivan, Assistant Professor ........................ 100 $ 1600
3. Louis H. Douglas, Visiting Lecturer .......................... 100 $ 2600

*(Department of Economics and Sociology, Area Development, Waters Hall 328, Manhattan, Kansas)*

**($6134)**
### Psychology

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lloyd G. Humphreys</td>
<td>Professor</td>
<td>$1,945</td>
</tr>
<tr>
<td>Jozef B. Cohen</td>
<td>Associate Professor</td>
<td>$2,034</td>
</tr>
<tr>
<td>W. G. McAllister</td>
<td>Associate Professor</td>
<td>$1,845</td>
</tr>
<tr>
<td>Raymond W. Frankmann</td>
<td>Assistant Professor</td>
<td>$1,845</td>
</tr>
<tr>
<td>Willem A. T. Meneweese</td>
<td>Instructor</td>
<td>$734</td>
</tr>
<tr>
<td>James M. Alsobrook</td>
<td>Visiting Lecturer</td>
<td>$778</td>
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<tr>
<td>Pearl M. Gore</td>
<td>Visiting Lecturer</td>
<td>$1,556</td>
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</table>

(316 Gregory Hall, Urbana, Illinois)

### Recreation and Municipal Park Administration

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<tr>
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<tr>
<td>Charles K. Brightbill</td>
<td>Professor</td>
<td>$3,734</td>
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<tr>
<td>Maxwell R. Garret</td>
<td>Associate Professor</td>
<td>$1,367</td>
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<tr>
<td>Mary V. Frye</td>
<td>Instructor</td>
<td>$1,184</td>
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($12,016)

### Russian

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<td>Ralph E. Matlaw</td>
<td>Associate Professor</td>
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<tr>
<td>Victor Terras</td>
<td>Assistant Professor</td>
<td>$850</td>
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<td>Borys Bilokur</td>
<td>Instructor</td>
<td>$1,334</td>
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<tr>
<td>Fred Thayer</td>
<td>Assistant Professor</td>
<td>$445</td>
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($6,964)

### Sociology

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<tr>
<td>Erich A. Ahrens</td>
<td>Associate Professor</td>
<td>$1,912</td>
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<td>Bernard M. Lazerwitz</td>
<td>Assistant Professor</td>
<td>$1,978</td>
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<tr>
<td>Richard F. Tomasson</td>
<td>Assistant Professor</td>
<td>$1,667</td>
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($5,557)

### Spanish, Italian, and Portuguese

<table>
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<tr>
<th>Name</th>
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<tr>
<td>J. H. D. Allen</td>
<td>Professor</td>
<td>$2,667</td>
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<td>Luis Leal</td>
<td>Professor</td>
<td>$2,334</td>
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<td>Joseph S. Flores</td>
<td>Associate Professor</td>
<td>$2,289</td>
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<td>Merlin H. Forster</td>
<td>Assistant Professor</td>
<td>$1,400</td>
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<td>S. W. Baldwin, Jr.</td>
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<td>$700</td>
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<td>Lucille V. Braun</td>
<td>Instructor</td>
<td>$689</td>
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<td>William C. Blaylock</td>
<td>Assistant Professor</td>
<td>$667</td>
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<td>David Hernandez</td>
<td>Assistant Professor</td>
<td>$667</td>
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($12,413)

### Speech and Theatre

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<tr>
<td>Halbert E. Gulley</td>
<td>Professor</td>
<td>$1,167</td>
</tr>
<tr>
<td>Lee S. Hultzen</td>
<td>Professor</td>
<td>$1,178</td>
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<tr>
<td>Richard Murphy</td>
<td>Professor</td>
<td>$2,089</td>
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<tr>
<td>Raymond E. Nadeau</td>
<td>Professor</td>
<td>$1,156</td>
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<tr>
<td>Severina F. Nelson</td>
<td>Professor</td>
<td>$1,256</td>
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<tr>
<td>John Wesley Swanson</td>
<td>Professor</td>
<td>$2,512</td>
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<tr>
<td>Clara M. Behringer</td>
<td>Associate Professor</td>
<td>$967</td>
</tr>
</tbody>
</table>

(See University Theatre)

(Total Salary) ($967) ($1,934)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>King W. Broadrick</td>
<td>Associate Professor</td>
<td>$1,012</td>
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<tr>
<td>Kenneth Burns</td>
<td>Associate Professor</td>
<td>$945</td>
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<tr>
<td>Delmond N. Bennett</td>
<td>Assistant Professor</td>
<td>$778</td>
</tr>
<tr>
<td>Vincent W. Byers</td>
<td>Assistant Professor</td>
<td>$1,645</td>
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<tr>
<td>Chester C. Long</td>
<td>Assistant Professor</td>
<td>$778</td>
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<tr>
<td>Lawrence W. Olson</td>
<td>Assistant Professor</td>
<td>$867</td>
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<td>Thomas O. Sloan</td>
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<td>Willard R. Zemlak</td>
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<td>$823</td>
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<tr>
<td>Robert Noel Hall</td>
<td>Instructor</td>
<td>$700</td>
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<tr>
<td></td>
<td>Visiting Lecturer</td>
<td>$875</td>
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($20,182)
Speech and Hearing Clinic
1. Naomi W. Hunter, Assistant Professor ......................... 50 $ 734
2. Frances L. Johnson, Assistant Professor ...................... 100 1 556
3. Marie O. Shere, Assistant Professor ......................... 50 800
4. Jane B. Archer, Instructor .................................. 100 1 145
5. E. Walter Loftiss, Assistant ................................. 50 445
6. Carl E. Williams, Assistant .................................. 50 445

($ 5 125)

University Theatre
1. Clara M. Behringer, Associate Professor ..................... 50 $ 967
   (See Speech and Theatre) .................................. (50)
   (Total Salary) ............................................. (967)
2. Genevieve Richardson, Assistant Professor .................. 75 1 242
3. Webster L. Smalley, Assistant Professor ...................... 50 856
4. (Assistant) ................................................. 25 223
5. (Assistant) ................................................. 25 223
6. (Assistant) ................................................. 25 223
7. (Assistant) ................................................. 25 223
8. (Assistant) ................................................. 25 223
9. (Assistant) ................................................. 25 223
10. (Assistant) ............................................... 25 223
11. (Assistant) ............................................... 25 223
12. (Assistant) ............................................... 25 223
13. Alan G. Billings, Visiting Lecturer ......................... 75 1 200
   (56 West Delaware Avenue, Newark, Delaware)
14. (Assistant) ............................................... 50 875
   ($ 7 147)

Theoretical and Applied Mechanics
1. Cletus Edward Bowman, Professor .......................... 67 $ 1 645
2. Marilyn E. Clark, Professor ................................. 50 1 134
3. Paul Guy Jones, Professor ................................ 67 1 926
4. Clyde E. Kesler, Professor ................................ 25 650
5. Henry L. Langhaar, Professor ............................... 50 1 889
6. Wallace M. Lansford, Professor ............................ 100 3 023
7. Omar M. Sidebottom, Professor ............................. 50 1 334
8. James O. Smith, Professor .................................. 75 2 384
9. Horatio M. Fitch, Assistant Professor ....................... 50 892
10. Russell S. Jensen, Assistant Professor ..................... 100 1 800
   ($16 697)

Zoology
1. Hurst H. Shoemaker, Associate Professor ................. 100 $ 1 823
2. Willie Mae Campbell, Assistant .................................. 50 445
3. David B. Crandall, Assistant .................................. 50 445
4. Richard Rayle, Assistant ..................................... 50 445
5. Daniel Stern, Assistant ...................................... 50 445
6. Catherine Verhey, Assistant ................................... 50 445
7. Joseph White, Assistant ...................................... 50 445
8. A. A. Johnson, Visiting Lecturer ............................ 100 1 800
   (Hendrix College, Conway, Arkansas)
9. A. B. Leonard, Visiting Lecturer ............................ 100 2 000
   (University of Kansas, Lawrence, Kansas)
   ($ 8 293)
   Total, Urbana-Champaign .................................. $862 919

Departmental Wages, Expense, and Equipment

Anthropology
Expense .......................................................... $ 1 250
Cahokia Mounds ............................................. $500
Rock River Valley ........................................... 500
Ecuador .......................................................... 250

Child Development
Expense ......................................................... 200
Civil Engineering Surveying Camp
Wages, Expense, and Equipment ............................ 7,700

Education
Wages and Expense ........................................ 2,245
Honoraria ....................................................... 900

Forestry Camp
Wages .......................................................... 840
Expense .......................................................... 2,660

Geography
Expense .......................................................... 300

Recreation
Expense .......................................................... 1,360
Stipends for Supervisors ..................................... 1,155

Total, Wages, Expense, and Equipment ....................... $18,610

Medical Center

College of Pharmacy

Per Cent Time Salary
1. Charles L. Bell, Assistant Professor (July 29 to September 7) 100 $1,409
2. Dominick Coviello, Assistant Professor (June 17 to July 27) 100 $1,409
3. Bernard J. Kurtin, Instructor in Physics (June 17 to July 27) 100 1,134
4. McLouis J. Robinet, Instructor (July 29 to September 7) 100 884
5. Bih-Jau Gau, Assistant (June 17 to July 27) 50 334
6. Lee Timothy Grady, Assistant (July 29 to September 7) 50 334
7. Dennis Pogany, Assistant (July 29 to September 7) 50 334
8. Karl A. Roseman, Assistant (June 17 to July 27) 50 334
9. Martin Schreibman, Assistant (June 17 to July 27) 50 334
10. James P. Shoffner, Assistant (July 29 to September 7) 50 334

Total, College of Pharmacy ................................ $11,803

Chicago Undergraduate Division

Art

Per Cent Time Salary
1. John D. McNee, Professor 100 $2,267

($2,267)

Biological Sciences

Per Cent Time Salary
1. Kenneth M. Madison, Professor 50 $1,200
2. Max C. Shank, Professor 75 1,734
3. Sidney F. Glassman, Associate Professor 50 1,078
4. Ellis B. Little, Associate Professor 50 945
5. James A. Bond, Assistant Professor 50 778
6. John C. Hadder, Assistant Professor 100 1,723
7. John T. Newell, Assistant Professor 50 834
8. John L. Sarkissian, Instructor 50 600
9. Paul J. Taxey, Instructor 50 556

($9,448)

Commerce and Business Administration

Per Cent Time Salary
1. Lucile Derrick, Professor of Economics 80 $1,992
2. W. D. Grampp, Professor of Economics 100 2,367
3. Alfonse T. Malinosky, Associate Professor of Accountancy 50 912
4. Albert J. Schneider, Associate Professor of Accountancy .............................................. 100 $ 2 245
5. Daniel K. Andrews, Assistant Professor of Accountancy .............................................. 100 $ 1 656
6. Winifred B. Geldard, Assistant Professor of Economics .............................................. 100 $ 1 589
7. Carl M. Larson, Assistant Professor of Marketing ..................................................... 100 $ 1 756
8. Armor J. Fair, Instructor in Management ......................................................................... 100 $ 1 445
9. Edward T. Ossman, Instructor in Accountancy .............................................................. 100 $ 1 178

($15 140)

Engineering
1. C. I. Carlson, Professor of General Engineering ......................................................... 100 $ 2 978
2. Herman J. Johnson, Associate Professor of Physics ...................................................... 100 $ 1 956
3. Harold M. Skadeland, Associate Professor of Physics .................................................. 100 $ 2 223
4. H. B. Weissman, Associate Professor of Physics .......................................................... 100 $ 2 067
5. F. P. Wiesinger, Associate Professor of Civil Engineering .......................................... 100 $ 2 023
6. Ogden Livermore, Assistant Professor of Physics .......................................................... 100 $ 1 689
7. Fishel E. Moraine, Assistant Professor of Physics .......................................................... 100 $ 1 778
8. A. F. Silkett, Assistant Professor of Physics ................................................................. 100 $ 1 800
9. ................................................................. 100 $ 1 750

($18 264)

Humanities
1. Jose Sanchez, Professor of Foreign Languages ............................................................. 67 $ 1 541
2. Arnold J. Hartoch, Associate Professor of Foreign Languages ................................. 50 $ 1 045
3. Falk S. Johnson, Associate Professor of English ........................................................... 100 $ 2 156
4. Moreen Jordan, Associate Professor of English ............................................................ 100 $ 1 823
5. Robert Kauf, Associate Professor of Foreign Languages .............................................. 100 $ 2 023
6. Marie E. Lein, Associate Professor of Foreign Languages ........................................... 67 $ 1 304
7. Zelma B. Leonard, Associate Professor of English ......................................................... 100 $ 1 823
8. John O. Marsh, Jr., Associate Professor of Foreign Languages ................................. 67 $ 1 260
9. Samuel A. Weiss, Associate Professor of English .......................................................... 100 $ 1 823
10. Robert E. Gallagher, Assistant Professor of English .................................................. 100 $ 1 667
11. John H. Mackin, Jr., Assistant Professor of English .................................................. 100 $ 1 634
12. Kathryn H. Carlson, Instructor in English ................................................................. 100 $ 1 423
13. Russell E. Davis, Instructor in English ......................................................................... 100 $ 1 378
14. Ruby V. deCryse, Instructor in Speech .......................................................................... 100 $ 1 378
15. Eleanor K. Harris, Instructor in English ....................................................................... 100 $ 1 334
16. Conde R. Hoskins, Instructor in Speech ........................................................................ 100 $ 1 556
17. Mary C. Sidney, Instructor in English .......................................................................... 100 $ 1 562
18. Ruta O. Lukas, Assistant in Foreign Languages ............................................................ 67 $ 682
19. Charles A. Wright, Assistant in Foreign Languages ...................................................... 100 $ 1 067

($27 540)

Mathematics
1. Irwin K. Feinstein, Professor ......................................................................................... 100 $ 2 223
2. Evelyn Frank, Professor ................................................................................................ 83 $ 2 075
3. Herbert J. Curtis, Associate Professor ......................................................................... 83 $ 1 871
4. Flora Dinkines, Associate Professor ........................................................................... 83 $ 1 741
5. Kenneth H. Murphy, Assistant Professor ..................................................................... 100 $ 1 823
6. Winifred V. Berglund, Instructor ................................................................................ 100 $ 1 578
7. Louis I. Gordon, Instructor ........................................................................................... 100 $ 1 512
8. U. Stanley Naikels, Instructor ...................................................................................... 100 $ 1 280
9. Charles E. Olsen, Instructor ......................................................................................... 100 $ 1 260
10. Thomas B. Ondrak, Instructor ...................................................................................... 83 $ 1 260
11. Helen W. Sears, Instructor .......................................................................................... 83 $ 1 223
12. Laurence R. Sjoblom, Instructor ................................................................................... 83 $ 1 149

($19 004)

Physical Education
1. Helen M. Barton, Professor of Physical Education for Women ..................................... 50 $ 1 134
2. Peter R. Berrafato, Associate Professor of Physical Education for Men ....................... 50 $ 945
3. Sheldon L. Fordham, Associate Professor of Physical Education for Men ................... 50 $ 1 056
4. Leo L. Gedvilas, Associate Professor of Physical Education for Men ........................... 50 $ 1 023
5. Benedict Montcalm, Assistant Professor of Physical Education for Men.................................................. 50 834
6. Harold H. Nemoto, Instructor in Physical Education for Men 100 1 312
7. George J. Strnad, Instructor in Physical Education for Men 50 745
8. Ruth Thomas, Assistant in Physical Education for Women 50 556 ($7 605)

**Physical Sciences**

1. Joseph Bachrach, Associate Professor ........................................ 100 $2 023
2. H. J. Mueller, Associate Professor ........................................ 100 1 889
3. Anatol Gottlieb, Assistant Professor ...................................... 100 1 667
4. Rosalind Klaas, Assistant Professor ....................................... 100 1 723
5. John F. Steiner, Assistant Professor ..................................... 100 1 667
6. Milton Yusim, Assistant Professor ......................................... 100 1 500
7. Lynn Carbonaro, Instructor .................................................. 67 1 008
8. Shafeek Farag, Instructor ..................................................... 100 1 378
9. Donald D. Hedberg, Instructor ............................................. 100 1 378
10. Louis N. Kurs, Instructor ..................................................... 100 1 467
11. Glen Fare, Instructor ......................................................... 100 1 334
12. George Sackheim, Instructor ............................................... 50 623
13. Frances K. Seabright, Instructor ......................................... 67 1 008
14. Thomas A. Loathian, Assistant ............................................. 50 623

($19 465)

**Social Sciences**

1. Peter P. Klassen, Professor of Sociology .................................. 100 $2 534
2. Daniel J. Morris, Professor of Philosophy .............................. 100 2 312
3. Shirley A. Bill, Associate Professor of History ...................... 67 1 304
4. Robert E. Corley, Associate Professor of Sociology ............... 50 945
5. Allen H. Howard, Associate Professor of Psychology ............. 67 1 260
6. Twiley W. Barker, Associate Professor of Political Science .... 100 2 000
7. Walter B. Asch, Assistant Professor of History ...................... 67 963
8. Vivian C. Lipman, Assistant Professor of Psychology ............. 100 1 500
9. Nan E. McGehee, Assistant Professor of Psychology ............. 100 1 445
10. Milton Rakove, Assistant Professor of Political Science ....... 100 1 723
11. George A. Rheumer, Assistant Professor of Geography .......... 67 1 297
12. Madeline Shalabi, Assistant Professor of Education .......... 100 1 556
13. Robert R. Page, Instructor in Philosophy .............................. 50 712
15. Charles P. Warren, Instructor in Anthropology ..................... 67 949
16. John B. Durant, Assistant in History .................................. 67 667
17. Enid Hill, Assistant in Political Science ............................. 50 556
18. Rogene Hunt, Visiting Lecturer in History ......................... 67 652

($461 Everett, Chicago 15, Illinois)
19. ————, Visiting Lecturer in Anthropology .......................... 67 900
20. ————, Visiting Lecturer in History .................................. 67 1 200

($25 290)

**Total, Chicago Undergraduate Division** ................................ $144 023

**APPOINTMENTS TO THE FACULTY**

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. Mary Rue Bucher, Assistant Professor of Sociology, Department of Psychiatry, College of Medicine, beginning January 1, 1963, at an annual salary of $10,250 (DY).
2. Herbert S. Carlin, Chief Pharmacist and Assistant Professor of Hospital Pharmacy, College of Pharmacy, beginning January 1, 1963, at an annual salary of $14,000 (DY).
3. Hans P. Laubscher, Visiting Associate Professor of Geology, for the academic year 1963-64, at a salary of $10,000 (E).
4. William E. Neville, Clinical Assistant Professor of Surgery, College of Medicine, beginning December 1, 1962, without salary (DY).

On motion of Mr. Williamson, these appointments were confirmed.
HEADSHIP OF THE DEPARTMENT OF AGRONOMY

The Dean of the College of Agriculture recommends the appointment of Dr. Marlowe Driggs Thorne, Professor of Agronomy and Head of the Department at Oklahoma State University, as Professor of Agronomy on indefinite tenure and Head of the Department of Agronomy beginning March 15, 1963, at a salary of $19,500 a year on a twelve-month service basis.

This appointment is to fill the vacancy created by the promotion of Professor M. B. Russell, former Head of the Department, to the position of Associate Director of the Agricultural Experiment Station.

A search committee appointed by the Dean to consider candidates for the position of Head of the Department of Agronomy invited recommendations from all members of the Department and from other sources, and submitted the names of several candidates whom the committee felt possessed the necessary qualifications for the headship position. Dr. Thorne was among the top candidates in this list, and letters of recommendation and personal interviews with persons well acquainted with his competence and effectiveness as an administrator support the Committee's recommendation. All members of the Department of professorial rank have been consulted and the recommendation is supported by the Executive Committee of the College and Station, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I recommend approval of this appointment.

On motion of Mr. Hughes, this appointment was approved.

PAYMENT OF UNIVERSITY FEES AND HOUSING CHARGES ON INSTALLMENTS

The Vice-President for the Medical Center and the Vice-President and Comptroller recommend authorization of an optional installment plan effective in September, 1963, for payment of tuition, fees, and residence hall charges by students at the Medical Center; and extension of this plan with respect to payment of fees to the Chicago Undergraduate Division and to Congress Circle:

1. Tuition and fees for each quarter will be collected in three installments, one-third payable at registration, and one-third in each of the following two months.

2. Housing charges will be collected monthly in advance.

3. Students electing the installment plan for payment of tuition and fees will be assessed a $2.00 service charge; however, there will be no service charge for payment of University housing accounts in installments.

This is similar to the installment plan in effect at the Urbana campus, approved by the Board of Trustees March 12, 1959.

I concur.

On motion of Mr. Swain, this recommendation was approved; and extension of this plan to include the Chicago Undergraduate Division and Congress Circle with respect to installment payment of fees when and if there is a need for the same was authorized.

CHANGES IN REQUIREMENTS FOR GRADUATION IN THE ADVERTISING CURRICULUM

The Urbana-Champaign Senate has approved a recommendation from the faculty of the College of Journalism and Communications that two courses, Journalism 204, Typography, and Journalism 211, Newswriting, be dropped as requirements for graduation in the advertising curriculum of that College, effective immediately. This change is to enable students to take more elective courses in the humanities and social sciences.

The Senate Coordinating Council has indicated no other Senate jurisdiction is involved.

I concur.

On motion of Mr. Williamson, this recommendation was approved.

1 Walter O. Scott, Professor of Crops Extension, Chairman; Denton E. Alexander, Associate Professor of Plant Genetics; Wayne M. Bever, Professor of Plant Pathology and Head of the Department; Daniel F. Dayton, Associate Professor of Plant Breeding; John R. Laughnan, Professor of Plant Genetics and of Botany; Sigurd W. Melsted, Professor of Soil Chemistry; Fred W. Slife, Professor of Crop Production; Frank J. Stevenson, Professor of Soil Chemistry.
NEW CURRICULUM OPTION IN HOME ECONOMICS

The Urbana-Champaign Senate has approved a recommendation from the College of Agriculture and the Department of Home Economics for authorization of a new option, foods and business, in the undergraduate curriculum in home economics. In addition to meeting the other requirements in the home economics curriculum, the following specific courses will be included in the new option: Home Economics 220, Dietetics; 231, Foods; and 330, Experimental Foods, are required. Six additional hours are to be selected from Home Economics 326, Demonstration Problems and Techniques; 331, Problems in Foods; and 375, Home Equipment; Journalism 211, Newswriting; Marketing 101, Principles of Marketing; Rhetoric 151, Business Letter Writing; and Speech 101, Principles of Effective Speaking, are required, and an additional twelve hours are to be selected from Accountancy 201, Fundamentals of Accounting; Advertising 281, Introduction to Advertising; Home Economics 240, Quantity Food Production and Service; 322, Physical Growth and Nutrition; Journalism 223, Photo-Journalism; 326, Magazine Article Writing; Management 248, Personnel Administration; Radio and Television 264, Radio and Television Performance; and Speech 111, Business and Professional Speaking.

No new courses are involved in this change as all those listed are now being offered. The option is being established to meet a student demand for such a program to provide training in various phases of the foods industry.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I concur.

On motion of Mr. Johnston, this curriculum was approved.

CURRICULUM IN MEDICAL ART

The three Senates recommend, the Senate Coordinating Council concurring therein, authorization, effective in September, 1963, of a new curriculum in medical art leading to the degree of Bachelor of Science in Medical Art, to be conferred by the College of Fine and Applied Arts at Urbana.

Requirements for admission to this curriculum will be the same as those for admission to other curricula in art. The curriculum in medical art will consist of five years of study, the first three years at Urbana-Champaign and the fourth and fifth years at the Medical Center. During the first three years, physical and biological sciences and art, particularly drawing, will be emphasized. A total of ninety-five semester hours, with a minimum scholastic average of 3.5, will be required for admission to the fourth and fifth years at the Medical Center. Study during the final two years will include work in the anatomy laboratories and in medical art studios to develop skills and techniques in all media of illustration.

The standard residence requirement will be applicable: a student must earn the first ninety semester hours or the last thirty hours in residence at Urbana. In this curriculum, the last thirty semester hours prior to study at the Medical Center may be used in lieu of the last thirty hours prior to receipt of a degree.

This new program involves no budgetary increases. The courses to be given are now being offered by the several departments at Urbana-Champaign and by the Department of Medical Art at the Medical Center.

This new, degree-granting curriculum will replace a present certificate program in medical art now offered at the Medical Center. Degrees in medical art are being offered at three of the seven medical art schools in the United States and the University of Illinois should continue to maintain leadership in the training of medical artists for whom there is an increasing demand.

Submitted herewith is a supporting statement giving the details of this new program, a copy of which is being filed with the Secretary of the Board for record. I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

CURRICULUM IN GENERAL MEDICAL TECHNOLOGY

The three Senates recommend, the Senate Coordinating Council concurring therein, authorization, effective in September, 1963, of a new curriculum in general
medical technology leading to the degree of Bachelor of Science to be conferred by the College of Medicine.

The curriculum will cover four years of study, the first three years, or ninety semester hours, to be offered in the College of Liberal Arts and Sciences and the fourth year at the College of Medicine. Entrance requirements will be the same as for admission to the general curriculum in the College of Liberal Arts and Sciences. Minimum requirements for admission to the fourth year will be ninety semester hours, exclusive of the general University requirements in physical education and military training, with a minimum scholastic average of 3.0.

Enrollment is expected to be moderate so that it is not anticipated additional staff will be required. One new course in veterinary medical technology must be added.

There are shortages of trained personnel in all health services, especially medical record librarians and laboratory technologists; not enough are currently available to meet the staffing requirements of hospitals in Illinois. By establishing educational programs for the allied professional health groups, the University will not only train personnel in these fields but will give leadership to other existing programs thus improving their quality.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

CURRICULUM IN MEDICAL RECORD ADMINISTRATION

(10) The three Senates recommend, the Senate Coordinating Council concurring therein, authorization, effective in September, 1963, of a new curriculum in medical record administration leading to the degree of Bachelor of Science, to be conferred by the College of Medicine.

The curriculum will cover four years of study, the first three years, or ninety semester hours, in the College of Liberal Arts and Sciences and the fourth year in the College of Medicine. Requirements for admission to the preprofessional part of the curriculum will be the same as for admission to the general curriculum in the College of Liberal Arts and Sciences. Requirements for admission to the fourth year will be ninety semester hours of preprofessional work in liberal arts and sciences, exclusive of the general University requirements in physical education and basic military training, with a minimum scholastic average of 3.0 and including certain specified subjects:

One year of rhetoric, Rhetoric 101 and 102, Freshman Rhetoric and Composition; or one year of Verbal Communication, Division of General Studies 111 and 112;

A reading knowledge of a foreign language equivalent to that resulting from four semesters of college study; each year of foreign language completed in high school will be accepted as the equivalent of one semester in college;

General education sequences in the humanities and social sciences including: Physiology 103, Introduction to Human Physiology; Zoology 104, Elementary Zoology; Psychology 100, Introduction to Psychology; and Psychology 101, Human Nature and Social Relations;

Physiology 234, Human Anatomy and Physiology;

Electives sufficient to complete the ninety hours required.

A Committee on Admissions to be appointed by the Executive Vice-President and Provost and including representatives of the College of Medicine, the College of Liberal Arts and Sciences, and the Office of Admissions and Records, will select applicants for admission to the fourth year on the basis of scholastic records, aptitude, and personal qualifications for professional training in this field.

Enrollment is expected to be moderate and it is not anticipated that additional staff will be required. One new course, Veterinary Medical Technology, must be added. (It should be noted that this course will also service the proposed new program in medical technology.)

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.
The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for air conditioning in the East Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

General — Simpson Construction Company, Chicago ........................................ $25 257
Ventilating — Reliable Sheet Metal Works, Inc., Chicago .................................. 46 477
Base bid .......................................................... $43 777
Additive alternate for service charge for supervision of other contracts assigned to this contractor .................. 2 700

Heating and Temperature Controls — National Heat and Power Company, Inc., Chicago ........................................ 24 954
Plumbing — O’Callaghan Bros., Inc., Chicago .................................................. 395
Electrical — Hatfield Electric Company, Chicago ............................................... 2 763

Total Contracts .......................................................... $99 846

The work will include furnishing and installing equipment and supply systems to complete the air conditioning of the major areas in the East Dentistry-Medicine-Pharmacy Building.

It is further recommended that all contracts other than the contract for ventilating work be assigned to the contractor for that work, making the total of his contract price $99,846; and that an agreement be entered into with Reliable Sheet Metal Works, Inc., for the assignment of these other contracts for $2,700 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the ventilating contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the construction of Phase I of the Coordinated Science Laboratory, the award in each case being to the lowest bidder:

General — C. A. Petry and Sons, Inc., Champaign ........................................ $101 495
Base bid .......................................................... $98 430
Additive alternates for loading dock and canopy, vinyl asbestos floor tile on second floor, and painting .................. 3 065
Electrical — G. L. Wilsky, an individual doing business as Downtown Electric, Urbana ........................................ 18 675
Plumbing — Reliable Plumbing and Heating Company, Champaign ..................................... 13 452
Heating, Piping, Refrigeration, and Automatic Temperature Control Systems — Reliable Plumbing and Heating Company, Champaign ..................................... 25 581
Base bid .......................................................... $23 684
Additive alternate for cooling cycle for the eight-room ventilating type units .................. 1 897
Ventilating — Petry Roofing and Sheet Metal Company, Champaign ......................................... 2 625

Total Contracts .......................................................... $161 828

It is also recommended that a combined contract be awarded to the Reliable Plumbing and Heating Company in the amount of $39,033, being the total of the amounts bid by that Company on the plumbing, and on heating, piping, refrigeration, and automatic temperature control systems.

Departmental funds are available for the construction.
Submitted herewith is a supporting statement from the Physical Plant Department, including the schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

CONTRACT FOR REROOFING DAVENPORT HALL

The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract to Lloyd Hitchins, an individual doing business as Hitchins Roofing Company, Urbana, the lowest bidder, for reroofing the west section of Davenport Hall, at a total price of $36,692, being the amount of the base bid plus an additive alternate for flat seam copper roofing instead of built-up composition roofing.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

CONTRACT FOR ELECTRIC POWER SERVICE IMPROVEMENTS

The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract to Square Deal Electrical Contracting, Inc., Urbana, the lowest bidder, for improvements in the electric power service in nine buildings on the Urbana-Champaign campus to correct electrical deficiencies, at a contract price of $181,021, which is the base bid for improvements in six buildings plus alternate bids on improvements in three additional buildings.

The work will include improvement of transformer vaults and switchboard revisions in the Chemistry Annex, Dairy Manufactures Building, Transportation Building, Women’s Gymnasium, Veterinary Clinic (Small Animal), Electrical Engineering Research Laboratory, George Huff Gymnasium, Smith Music Hall, and the English Building, and will provide for expansion and improvement of electrical power service in all these buildings.

Funds are available in the state capital appropriations to the University from the Universities Building Fund to take care of the base bid plus the alternates for Huff Gymnasium and Smith Music Hall. An assignment of $23,814 from the University General Reserve is requested to provide for the work in the English Building.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

CONTRACT FOR FIRST ADDITION TO DIGITAL COMPUTER LABORATORY

The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the first addition to the Digital Computer Laboratory, the award in each case being to the lowest bidder:

General — C. A. Petry and Sons, Inc., Champaign ......................... $209 144 67
Base bid .................................................. $192 270 00
Additive alternate for service charge for supervision of other prime contracts assigned to the general contractor, including 3 per cent charge for accepted alternates .................. 4 962 67
Additive alternates for vinyl flooring, acoustical ceilings, painting walls, painting ceilings, and installing perforated asbestos panels and insulation, all of the above work in certain rooms as covered by the plans and specifications. .................................. 11,912.00

Electrical—William H. Brunkow, an individual doing business as Brunkow Electric Company, Champaign. .......................................................... $52,250.00

Base bid ........................................ $51,800.00

Additive alternates for surface mounting light fixtures in certain rooms and wiring automatic air conditioning filters ................................................................. 450.00

Plumbing—David William Reichard and David Warren Reichard, a partnership doing business as David W. Reichard Plumbing and Heating, Urbana .......................................................... $22,800.00

Base bid ........................................ $19,600.00

Additive alternate for rerouting an existing storm sewer .......................................................... 3,200.00

Heating and Air Conditioning—Burdick Plumbing and Heating Company, Decatur .......................................................... $63,775.00

Ventilating—R. H. Bishop Company, Champaign .......................................................... $26,617.00

Base bid ........................................ $23,678.00

Additive alternates for changes in ceiling diffusers and return air grills and installation of automatic air conditioning filters ................................................................. 2,939.00

Total Contracts .......................................................... $374,586.67

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract price $374,586.67; and it is further recommended that an agreement be entered into with C. A. Petry and Sons, Inc., Champaign, for the assignment of these other contracts for $4,962.67, which amount is included in the contract price being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

A National Science Foundation grant of $188,900 has been received for this project. The Executive Vice-President and Provost recommends an assignment of $287,100 from Indirect Costs (General University Account) for the matching funds.

Submitted herewith is a supporting statement from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Dilliard, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

EASEMENT TO CITY OF URBANA FOR OPERATING AND MAINTAINING STORM SEWER

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend, and I concur, adoption of the following resolution granting the city of Urbana an easement for operating and maintaining a storm sewer on University property in the 1300 block of West Stoughton Street, Urbana, provided that the City will grant the University permission to reroute an existing storm sewer which crosses the site of the addition to the Digital Computer Laboratory.

Resolution

Be It, and It Is Hereby, Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this corporation be, and they hereby are, authorized, for and in behalf of said public corporation, to make, execute, sign, acknowledge, and deliver a Grant of Utility Easement to the City of Urbana, a municipal corporation, conveying to the City of Urbana an Easement...
across, under, and through the property and premises described as Lot 3 of Block 54 of Seminary Addition to the City of Urbana, Illinois, for the purposes of operating and maintaining a twenty-four inch storm sewer across, under and through said property in the location more definitively shown on that drawing prepared by the University Architect's Office, entitled Digital Computer Laboratory—First Addition, New Storm Sewer, Sheet No. 1 of 1, dated November 27, 1962; this Easement to the City of Urbana to be limited to a strip of land across said property extending five feet on each side of the center line of said sewer, as set forth on said drawing together with ingress thereto and egress therefrom; for so long as the City of Urbana shall use said Easement for said storm sewer purposes for which it is given; the rights herein granted to revert to said public corporation whenever a storm sewer is erected or constructed to take the place of the storm sewer herein provided for; in consideration of the City of Urbana giving permission to said public corporation to re-route an existing storm sewer which crosses the building site for the proposed Addition No. 1 to Digital Computer Laboratory; and to execute, acknowledge and deliver such other papers and documents as may be necessary to effect the purposes herein set forth.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Pogue.

ADDITION TO CONTRACT FOR CONSTRUCTION
OF ILLINI UNION BUILDING

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $15,308.80 in the contract with the Felmley-Dickerson Company, Urbana, Illinois, for construction of the Illini Union Addition to include remodeling of the existing Commons Dining Room to match the new cafeteria dining area adjacent thereto. Funds are available in the construction budget for the remodeling.

I concur.

On motion of Mr. Hughes, this change in contract was authorized.

EMPLOYMENT OF ARCHITECTS FOR UNION AND RESIDENCE HALL
FACILITIES AT MEDICAL CENTER CAMPUS

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the firm of C. F. Murphy Associates, Chicago, for architectural services on the Illini Union and Residence Hall at the Medical Center, at a total fee not to exceed 6 per cent of building construction costs.

Preliminary design work up to preparation of working drawings and writing of specifications will be on the basis of actual salaries of personnel employed on this assignment, plus 100 per cent for overhead and commission, but not to exceed 1 per cent of construction costs. Remaining work, after approval of preliminary design, will be done on the basis of a fee of 5 per cent of construction costs, this fee to cover working drawings, plans and specifications, and supervision of construction.

It is further recommended that:

C. F. Murphy Associates be authorized to employ Fred Schmid Associates as food service consultants for this project on the basis of hourly rates (drafting room time, $10.00; principal associates' time, $20.00; and principal's services, $30.00) provided that the total cost shall not exceed 10 per cent of the final cost of all food receiving, storage, preparation, and service equipment they plan, detail, or specify; plus reimbursement at cost for long-distance telephone calls, out-of-town travel expenses, and reproduction costs of blueprints and specifications. The architect will be reimbursed only to the extent of the difference between the food consultants' fee and 6 per cent of the final cost of the equipment planned and specified in the final layout.

C. F. Murphy Associates be employed for interior design services on planning of all interior spaces in detail, including furniture, textiles, draperies, carpeting, and other furnishings, and preparation of complete furnishings specifications and a final cost estimate.
The fee for these services to be on the basis of reimbursement of actual salaries of technical personnel assigned to this project plus 100 percent for overhead and commission.

I concur.

On motion of Mr. Swain, this recommendation was approved.

EMPLOYMENT OF ENGINEERS FOR AERIAL MAPPING

(19) Accurate topographic maps are helpful as basic planning tools in studies of long-range campus planning, particularly site selection and development. Partial topographic surveys are available for certain areas of the main campus but there are many gaps which do not permit large area or block studies for effective planning, including land acquisition, site selection, drainage, road improvements, and extension of utilities. Additional maps are particularly needed in planning expansion south of Florida Avenue as adequate maps for that area do not exist.

The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the Chicago Aerial Survey Division, Chicago Aerial Industries, Inc., Franklin Park, for preparation of aerial photographic topographic maps for the Urbana-Champaign campus, at an estimated cost of $18,930, based on unit prices. Their recommendation has been reviewed with and approved by the Committee on Aerial Photography and the Department of Civil Engineering, both having had considerable experience with aerial photographs for map making, and by the Advisory Committee on the Selection of Architects and Engineers. The Committee on Buildings and Grounds has also been consulted and approves the recommendation.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mrs. Watkins, this recommendation was approved.

REPORT ON LAND ACQUISITIONS

(20) The Director of the Physical Plant and the Vice-President and Comptroller submit the following report of property purchases authorized by the Board and completed since the last report (January 11, 1962).

Land for Campus Expansion

CHAMPAIGN

<table>
<thead>
<tr>
<th>Address</th>
<th>Owner</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>408 East Chalmers Street</td>
<td>Robert Visco</td>
<td>$26,000</td>
</tr>
<tr>
<td>510 East Chalmers Street</td>
<td>John Sluder</td>
<td>18,500</td>
</tr>
<tr>
<td>507 East Daniel Street</td>
<td>Vira R. Fisher et al.</td>
<td>65,000</td>
</tr>
<tr>
<td>905-9051/2 South Fifth Street</td>
<td>Clara O. Wilholm</td>
<td>31,000</td>
</tr>
<tr>
<td>905 South Fifth Street</td>
<td>Margaret Helbling and Clotilde Sion</td>
<td>27,000</td>
</tr>
<tr>
<td>1013 South Oak Street</td>
<td>Thomas A. Hagan</td>
<td>8,000</td>
</tr>
</tbody>
</table>

URBANA

<table>
<thead>
<tr>
<th>Address</th>
<th>Owner</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>408 South Goodwin Avenue and</td>
<td>Elinor Savage et al.</td>
<td>95,500</td>
</tr>
<tr>
<td>1118 West Illinois Street</td>
<td>Russell L. Ash et al.</td>
<td>41,000</td>
</tr>
<tr>
<td>907 West Green Street</td>
<td>Oscar D. and Minnie M. Wilson</td>
<td>42,000</td>
</tr>
<tr>
<td>1001 West Green Street</td>
<td>Edith P. Sidell</td>
<td>83,250</td>
</tr>
<tr>
<td>1009 West Green Street</td>
<td>Robert E. and Nora E. Creekmur</td>
<td>28,000</td>
</tr>
<tr>
<td>107 South Gregory Street</td>
<td>James R. and Virginia L. Johnstone</td>
<td>24,250</td>
</tr>
<tr>
<td>109 South Gregory Street</td>
<td>Delta Alumni of Sigma Phi</td>
<td>24,250</td>
</tr>
<tr>
<td>1103 West Illinois Street</td>
<td>Delta, Inc.</td>
<td>35,000</td>
</tr>
<tr>
<td>1111 West Illinois Street</td>
<td>Wesley D. Knutson</td>
<td>36,175</td>
</tr>
<tr>
<td>1105 West Illinois Street</td>
<td>F. L. and R. P. Bagley</td>
<td>35,000</td>
</tr>
<tr>
<td>106 North Romine Street</td>
<td>Lillian Young</td>
<td>32,500</td>
</tr>
<tr>
<td>204 North Romine Street</td>
<td>Mary E. Blind</td>
<td>16,000</td>
</tr>
<tr>
<td>1304 West Springfield Avenue</td>
<td>Samuel H. Young</td>
<td>22,000</td>
</tr>
<tr>
<td>1305 West Stoughton Street</td>
<td>Samuel H. Young</td>
<td>16,000</td>
</tr>
<tr>
<td>1308 West Stoughton Street</td>
<td>Charles B. McNelly</td>
<td>14,700</td>
</tr>
</tbody>
</table>

This report was received for record.

1 This property was acquired through condemnation proceedings in the Circuit Court of Champaign County, the price being fixed by the jury.
PURCHASES

(21) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used in these recommendations to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors.

### Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One spectrophotometer, infrared, double beam, double monochromator, high resolution for use in a student laboratory for experiments requiring the separation of two hydrogen chloride isotopes</td>
<td>Chemistry and Chemical Engineering</td>
<td>Beckman Instruments, Inc., Lincolnwood</td>
<td>$2,837.00 delivered</td>
</tr>
</tbody>
</table>

(Note: This purchase will be made from both Appropriated Funds, $2,837.00, and Institutional Funds, $10,100.00, for a total of $12,937.00. See also page 351.)

Rental of 52 feature films: 17 to be run February, 1963, through May, 1963; 35 to be run October, 1963, through May, 1964; and reruns of all during the school year 1964-65 ending June 1, 1965

### Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of laboratory equipment and supplies</td>
<td>Agency for International Development (Faculty of Medicine, Chiangmai Hospital, Thailand)</td>
<td>Will Scientific, New York, N.Y.</td>
<td>$7,019.96 c &amp; f Bangkok, Thailand</td>
</tr>
</tbody>
</table>

One recording system, four-channel equipped, but wired for six-channel, to include: two dual-channel power amplifiers, two mounting bins, one oscillator power supply, one wiring harness, four writer units, four recording systems, four pre amplifyers, six input couplers, one heart rate coupler, one mobile console enclosure, one paper tray, one paper guide set, and fifty packs paper

X-ray diffraction equipment including constant potential X-ray generator and control 50 kvp-50 ma, current stabilizer, electronic circuit panel 60 cycle, single phase, 90-260 volts with 5 kva line voltage stabilizer and pulse height analyzer, portable chart recorder, goniometer assembly, proportional counter, and copper target four-window X-ray diffraction tube

One generator, constant potential X-ray, and control, with tube housing, shutters, filter selector disk, milli-ampere stabilizer and rectifiers, but excluding X-ray tube; less trade-in of old generator

One regulator, live voltage, 5 kva, for X-ray diffraction unit, with control panel and high voltage relay

One lot of laboratory equipment and apparatus including one spectrophotometer with hydrogen lamp power supply, potentiometric recorder and 10 mm. path silica cell and 1.050 ft. of assorted rubber tubing; this is an estimated three-month supply

One lot of laboratory glassware and apparatus for stock in the General Chemical Stores, to be a six-month supply

### Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramic Engineering</td>
<td>Philips Electronic Instruments, Chicago</td>
<td>$17,675.00 f.o.b. delivered</td>
<td></td>
</tr>
</tbody>
</table>

Chemistry and Chemical Engineering | Philips Electronic Instruments, Chicago | $3,995.00 f.o.b. Mt. Vernon, N.Y. |

General Chemical Stores | Scientific Products Division, American Hospital Supply Corp., Evanston | $2,836.00 f.o.b. delivered |

General Chemical Stores | Rascher & Betzold, Inc., Chicago | $8,200.00 f.o.b. delivered |
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One stereoscopic point transfer device with built-in illumination for 3D aerial triangulation in the field of photogrammetry</td>
<td>Civil Engineering</td>
<td>Wild Heerbrugg Instruments, Inc., Port Washington, Long Island, N.Y.</td>
<td>$3,185.00 f.o.b., delivered</td>
</tr>
<tr>
<td>One dummy load, coaxial high power, liquid cooled, 200 kW, with power meter, 50 ohms, 3 3/4 in. flanged connector, for frequency range DC to 10 MC</td>
<td>Electrical Engineering</td>
<td>Electro Impulse Laboratory, Inc., Red Bank, N.J.</td>
<td>5,000.00 f.o.b., delivered</td>
</tr>
<tr>
<td>One tensile testing machine, 5,000 kilogram capacity, with programming chassis which will continuously and rapidly change the rate of specimen deformation and the direction of deformation</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>Instron Engineering Corp., Park Ridge</td>
<td>26,441.00 f.o.b., delivered</td>
</tr>
<tr>
<td>One shielded enclosure, electrically isolated R.F., including personnel door, air inlet and outlet, copper power line filter panel, tile floor, etc., double shielded 22 by 22 strands per in., .015 in. diameter copper mesh, size irregular special, approximately 10 in. by 9 in. by 8 ft. high</td>
<td>Physics</td>
<td>Erik A. Lindgren &amp; Associates, Inc., Chicago</td>
<td>3,085.00 f.o.b., delivered</td>
</tr>
<tr>
<td>Two line filters</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two electric typewriters for electronic computer input-output, equipped with remote upper-lower case shift, color shift and carriage return, keyboard for special characters for data processing system</td>
<td>Physics</td>
<td>International Business Machines Corp., Springfield, Ky.</td>
<td>2,534.00 f.o.b.</td>
</tr>
<tr>
<td>Used 16 mm. motion picture equipment including: Three cameras with f/2.4 zoom lens, motor, sync light</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>National Education Television and Radio Center, Ann Arbor, Mich.</td>
<td>15,700.70 f.o.b., delivered</td>
</tr>
<tr>
<td>Three tripods with pan heads</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Four 2400 ft. film magazines</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two film recorders</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One wireless microphone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One 8 in. speaker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One speaker baffle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One power amplifier</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nine racks</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motion picture television equipment, 16 mm., including one edge numbering machine, three hot splicers, two synchronizers, one pair hand film rewind, and one magnetic attachment for synchronizer arm</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>Comprehensive Service Corp., New York, N.Y.</td>
<td>3,445.00 f.o.b., delivered</td>
</tr>
<tr>
<td>Print and bind 2,000 copies of <em>The Structure of Clay Society</em>, by Frederic K. Lehman, approximately 227 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>3,003.38 f.o.b., delivered</td>
</tr>
<tr>
<td>Twenty-four folding portable coat and hat racks for use in the concourse, in offices, in the dining area, and in the service areas of the Assembly Hall</td>
<td>Assembly Hall</td>
<td>Chapman-Young, Inc., St. Louis, Mo.</td>
<td>2,784.00 f.o.b., delivered</td>
</tr>
<tr>
<td>200 innerspring mattresses, 36 in. by 78 in., not less than 64% in. thick, not less than 152 coils, to replace present mattresses which have been in use more than fifteen years in the Busey-Evans Residence Halls</td>
<td>Housing Division</td>
<td>The Springfield Mattress Co., Springfield</td>
<td>3,638.00 f.o.b., delivered</td>
</tr>
<tr>
<td>Pallet racks of sufficient quantity to accommodate 636, 40 in. by 48 in. pallets; racks are to be interchangeable with existing racks in Central Food Stores</td>
<td>Housing Division</td>
<td>Equipment Manufacturing Inc., Detroit, Mich.</td>
<td>5,860.68 f.o.b., delivered</td>
</tr>
<tr>
<td>Thirty units (five lockers per unit) lockers, self-service, coin-return checking lockers, to be installed in the Illini Union Building Addition for use by students for checking books and supplies while at the Union</td>
<td>Illini Union</td>
<td>The Phible Co., Loudonville, Ohio</td>
<td>6,182.42 f.o.b., delivered</td>
</tr>
<tr>
<td>200 reams book paper, coated, for printing the catalog for the Contemporary American Painting and Sculpture Exhibition</td>
<td>Office Supply Storeroom</td>
<td>Chicago Paper Co., Chicago</td>
<td>2,808.00 f.o.b., delivered</td>
</tr>
</tbody>
</table>
UNIVERSITY OF ILLINOIS

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,000 tolbutamide tablets 0.5 gm. to be used in the treatment and control of diabetes; this represents a six-month supply</td>
<td>Pharmacy Stores, Chicago</td>
<td>The Upjohn Co., Chicago</td>
<td>$3,104.60 delivered</td>
</tr>
<tr>
<td>One wagon crane, 25-ton capacity, with 80-foot boom, powered by gasoline engine, four axle, with hydraulically operated outriggers, designed for one-man operation, less credit for trade-in of two crawler-type cranes, one 1939 model and one 1950 model</td>
<td>Physical Plant</td>
<td>McElroy-Roland Machinery Co., Springfield</td>
<td>$46,750.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One truck, two ton, 18'200 No. gvw with 12 ft. platform stake body and equipped with ramp type lift gate to replace vehicle No. 214, a 1951 truck, with flat bed and power gate, mileage 43,000</td>
<td>Physical Plant</td>
<td>International Harvester Co., Springfield</td>
<td>$3,398.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One spectrophotometer, infrared, double beam, double monochromator, high resolution for use in a student laboratory for experiments requiring the separation of two hydrogen chloride isotopes</td>
<td>Chemistry and Chemical Engineering</td>
<td>Beckman Instruments, Inc., Lincolnwood</td>
<td>$10,100.00 delivered</td>
</tr>
</tbody>
</table>

(Note: This purchase will be made from both Institutional Funds, $10,100.00, and Appropriated Funds, $2,837.00, for a total of $12,937.00. See also page 349.)

Summary of Purchases Recommended

From Appropriated Funds ................................................... $10,637.00
From Institutional Funds .................................................. $191,553.74

Grand Total ................................................................. $202,190.74

On motion of Mr. Johnston, these purchases were authorized.

COMPTROLLER’S REPORT OF CONTRACTS

(22) The Comptroller’s report of contracts executed during the period December 1 to 31, 1962.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Air Force AF-AFOSR 107-63</td>
<td>Charged colloidal sized particles for propulsion</td>
<td>$19,873.00</td>
<td>November 1, 1962</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR 135-63</td>
<td>Techniques for minimizing forgetting</td>
<td>$21,754.00</td>
<td>October 15, 1962</td>
</tr>
<tr>
<td>United States Army DA 36-039 AMC 00066</td>
<td>Microwave duplexer switching mechanisms</td>
<td>$50,000.00</td>
<td>January 1, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE 310-058</td>
<td>National seminar of representatives of departments of English to engage in research in the teaching of English and to discuss implications of these undertakings</td>
<td>$23,863.00</td>
<td>November 15, 1962</td>
</tr>
</tbody>
</table>

Total ................................................................. $115,490.00

Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Business Machines Corp.</td>
<td>Five key punches; one space suppress device; one type 826 type-writer printing punch; one processing unit; one card read punch; one printer; four magnetic tape units; three device codes; one binary device; one programming device; two punch read devices</td>
<td>$84,372.00</td>
<td>August, October, and November, 1962</td>
</tr>
</tbody>
</table>

Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Air Force AF 19(604) 7473</td>
<td>Basic properties of gaseous plasmas</td>
<td>$50,000.00</td>
<td>November 26, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 29(601) 408</td>
<td>Static and dynamic testing of deep structural elements</td>
<td>$11,090.87</td>
<td>December 7, 1962</td>
</tr>
</tbody>
</table>
EDUCATIONAL DIRECTIONS AT THE UNIVERSITY OF ILLINOIS

(23) The University Study Committee on Future Programs has issued its final report, “Educational Directions at the University of Illinois,” completing five years of study dealing with present-day conditions which have created special problems in education, particularly higher education, due to the rapid increase in population and new knowledge to be taught resulting from advances in science and technology. The report attempts to answer such questions as:

What share of the college-age youth should the University be prepared to accept, and on what campuses?

How should choices be made if more apply than can be accommodated?

What new programs and courses of study need to be added and which of the old can be dropped?

What priorities in teaching, research, and service should govern use of University facilities and the engagement of faculty time?

The contribution of this Committee already has been well established as a catalyst in internal deliberations. The Committee’s studies, coupled with the advice and cooperation of the faculty and administration, have accelerated a variety of new procedures and policies. The report will not be placed before any group for adoption as a whole but will have the force of informal acceptance and the logic and persuasiveness of its ideas.

No summary can do the report justice. The Committee has given a clear view of continuing obligations as well as new opportunities. . . . It has offered specific recommendations and the rationale for them. It has also suggested priorities in educational services, a recognition that today as never before universities must
make choices. The reader will find a suggested pattern of growth and an indication of intellectual resources and values at the University of Illinois.

There are some detailed recommendations, involving the need to study the process of undergraduate teaching; questions of admissions policy; the importance of maintaining a strong faculty and giving it the time and facilities to do its work; the growing international interests of the University, ....

To its credit, the Committee has not been preoccupied with minutae but rather has been concerned to lay down broad guidelines to educational policy.

It is appropriate to make a formal presentation of the report to the Board of Trustees at this time because it is a significant document in the University's educational planning for the future. (No action is recommended or required.) I also take this occasion to record the appreciation of the University administration to the members of the Committee, especially to its Chairman, Professor G. M. Almy of the Department of Physics, whose work as head of the twelve-member task force representative of all three campuses of the University deserves special commendation. The members of the Committee are:

Gerald M. Almy, Professor of Physics, Chairman, who has served a full five years
H. Kenneth Allen, Professor of Economics
John E. Cribbet, Professor of Law
Lee J. Cronbach, Professor of Education, Bureau of Educational Research, and Professor of Psychology
Bernard J. Diggs, Associate Professor of Philosophy
Cecil A. Krakower, Professor of Pathology, Medical Center
Morell B. Russell, Professor of Soil Physics, Department of Agronomy
Allen S. Weller, Dean of the College of Fine and Applied Arts
All the above have served full five-year terms.

Hollis W. Barber, Professor of Political Science, Chicago Undergraduate Division, who served from 1957-59
A. Dwight Culler, Professor of English, 1957-58
Rupert F. Price, Associate Professor of Physics and Assistant Dean of Engineering, Chicago Undergraduate Division, 1959-62
Robert W. Rogers, Professor of English, 1958-62
Serving from one to three semesters for members on leave were:
Edward W. Cleary, Professor of Law
Norman A. Graebner, Professor of History
Glenn W. Salisbury, Professor of Dairy Science

It should also be noted that Professor Lee J. Cronbach of the College of Education headed a subcommittee which prepared one of two appendices to the report, “The Entering Undergraduate Student,” a subject discussed at the 1960 Faculty Conference.

The second appendix presents individual statements from the colleges and other divisions of the University as to their recent developments and long-range plans — statements of what the Chairman calls “educational directions at the working level.”

Copies of the printed report were distributed at the meeting, and a copy was filed with the Secretary of the Board for record.

ADDITION TO CONTRACT FOR ASSEMBLY HALL

The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $3,557.37 in the contract with Felmley-Dickerson Company, Urbana, for construction of the Assembly Hall to provide for relocation of two alternators from the projection booth in the theatre quadrant to a switchgear room located below the office level.

Funds are available in the construction budget.

I concur.

On motion of Mr. Williamson, this change in contract was authorized.

INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS ADVISORY COMMITTEE

The Director of the Institute of Labor and Industrial Relations recommends
the following appointments to the Institute’s Advisory Committee for a term of three years, beginning with the current academic year, to fill vacancies in the management, public, and labor representation:

**Management**

MARC A. BUETTELL, President of Ideal Industries, Inc., Sycamore
WILSON KIMMELL, Vice-President and Industrial Relations Manager, LeTourneau-Westinghouse Company, Peoria
ROY L. ROLLINS, Vice-President, in charge of Manufacturing, Purchasing, Labor Relations, Personnel, and Facility Planning, Staley Manufacturing Company, Decatur

**Public**

SAMUEL C. BERNSTEIN, Assistant Director of the Illinois Department of Labor, Chicago
JOSEPH BORUS, Regional Administrator of the Bureau of Employment Security, and Regional Director of the Office of Manpower Administration in the United States Department of Labor, Chicago Region
JOHN D. LARKIN, Arbitrator of Labor Disputes, Chicago

**Labor**

LEE CHAPMAN, Grand Lodge Representative, International Association of Machinists in the Midwest Area, Springfield
BUDDY W. DAVIS, President of Local Union 3643 of the United Steelworkers, Alton

I recommend approval.
On motion of Mr. Swain, these appointments were approved.

**SECRETARY’S REPORTS**

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, cancellations, declinations, and terminations; leaves of absence; sabbatical leaves of absence; cancellation of sabbatical leave of absence.

**APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Experiment Station.)

AGUSTIN, CESAR C., Research Assistant in Physical Medicine and Rehabilitation (Medicine), eight months from January 1, 1963, $5,496 a year (12-17-62).

ANDREWS, A. M., Instructor, Police Training Institute (University Extension), eight months from January 1, 1963, $7,850 a year (12-17-62).


BILGER, H. R., Research Associate in the Digital Computer Laboratory, November 27, 1962-August 31, 1963, to render service during the academic year, $6,500 a year (12-17-62).

BILANS, LOIS E., Assistant Professor of Medical Social Work (Medicine), eight months from January 1, 1963, $9,450 a year, supersedes (12-19-62).

BYRNE, ANNE F., Research Assistant in Microbiology (Medicine), January 2-August 31, 1963, $8,000 a year (12-17-62).

CUTLER, MRS. PATRICIA P., Research Assistant in Education (University High School), seven months from November 15, 1962, $444.45 a month (12-28-62).

DAUPHIN, KEITH P., Project Assistant in the State Natural History Survey, nine months from December 1, 1962, $4,200 a year (12-17-62).

DEVERS, WILLIAM R., Research Assistant in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (12-11-62).

DUNN, FLOYD, Associate Professor of Electrical Engineering (Engineering Experiment Station) and of Biophysics (Liberal Arts and Sciences), indefinite tenure from December 1, 1962, $11,600 a year, supersedes (12-5-62).

FAILLI, AMEDEO, Research Associate in Chemistry, eight months from January 1, 1963, $6,000 a year (12-17-62).
Gazet, John C., Instructor in Surgery (Medicine), 3/4 time, ten months from November 1, 1962, $5,000 a year, supersedes (11-16-62).

Gillette, Howard E., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (11-8-62).

Griffin, Robert S., Instructor in Medicine (Medicine), 3/4 time, eight months from January 1, 1963, $2,400 a year (12-19-62).

Guire, Patrick, Research Assistant in Chemistry, two months from December 1, 1962, $488.88 a month, supersedes (12-28-62).

Hart, Robert R., Assistant in Radiology (Medicine), one year from September 1, 1962, without salary (12-11-62).

Gillbert, John C., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (11-8-62).

Griffin, Robert S., Instructor in Medicine (Medicine), 3/4 time, eight months from January 1, 1963, $2,400 a year (12-19-62).

Guire, Patrick, Research Assistant in Chemistry, two months from December 1, 1962, $488.88 a month, supersedes (12-28-62).

Hart, Robert R., Assistant in Radiology (Medicine), one year from September 1, 1962, without salary (12-11-62).

Ishida, Tahto, Research Associate in Chemistry, nine months from December 1, 1962, $6,300 a year (12-27-62).

Israel, Patrick, Clinical Assistant Professor of Psychiatry (Medicine), eight months from January 1, 1963, without salary, supersedes his salaried appointment (12-17-62).

Krupp, Robert H., Lecturer in Physics (Chicago Undergraduate Division), six months from February 1, 1963, $3,950 (12-27-62).

Kulis, John C., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1962, without salary, supersedes his salaried appointment (12-27-62).

Miller, Leon J., Research Engineer in Electrical Engineering (S), seven months from February 1, 1963, $8,600 a year, supersedes (12-28-62).

O'Shea, John W., Clinical Instructor in Pediatrics (Medicine), nine months from December 1, 1962, without salary (11-12-62).

Ouchi, Akira, Research Associate in Chemistry, five months from April 1, 1963, $500 a month (12-17-62).

Pilcher, Hanns, Instructor in the Graduate School of Business Administration, 1/2 time, nine months from October 1, 1962, $3,000, supersedes (12-19-62).

Pieper, William J., Clinical Instructor in Psychiatry (Medicine), 1/4 time, six months from January 1, 1963, $3,000 a year, supersedes (12-17-62).

Reese, Lois D., Research Assistant in the State Water Survey, six months from January 1, 1963, $475 a month, supersedes (12-17-62).

Roberts, Elmer, Professor, Agricultural Administration (S), 36/100 time, ten months from November 1, 1962, $4,500 a year (12-17-62).

Robinson, Garth, Research Associate in Biological Chemistry (Medicine), eight months from January 1, 1963, $8,000 a year (12-17-62).

Roeder, Robert C., Assistant Professor of Astronomy, six months from March 1, 1963, $341.67 a month, supersedes (12-17-62).

Saathe, Elaine E., Instructor in Medical Social Work (Medicine), eight months from January 1, 1963, $7,150 a year (12-19-62).

Sargent, Frederick II, Lecturer in Medicine, with rank of Professor (Medicine), nine months from December 1, 1962, without salary (12-20-62).

Schon, Gerald L., Instructor in Medical Social Work (Medicine), eight months from January 1, 1963, $7,500 a year (12-19-62).

Schauchnessy, Howard J., Professor of Public Health and Preventive Medicine at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/Fe-2, November 25, 1962-February 23, 1963, $24,613 a year; and Professor and Head of the Department of Public Health (Medical Center), indefinite tenure from February 24, 1963, supersedes (11-12-62).

Shove, Gene C, Associate Professor of Agricultural Engineering (C and S), indefinite tenure from January 1, 1963, $11,700 a year, supersedes (12-17-62).

Sims, Byrl L., Instructor in Radio and Television (Journalism and Communications), academic year beginning September 1, 1962, without salary; this is in addition to his nonacademic appointment (12-11-62).

Sonnenkalb, Brigitta H., Physician in the Health Service (Office of Vice-President, Medical Center), 1/4 time, ten months from November 1, 1962, $2,400 a year, supersedes (12-11-62).
TORRIENTE, LUIS R., Clinical Assistant in Medicine (Medicine), nine months from December 1, 1962, without salary (12-27-62).

VON FOERSTER, HEINZ M., Professor of Electrical Engineering (Engineering) and of Biophysics (Liberal Arts and Sciences), indefinite tenure from December 1, 1962, to render service during each academic year $15,000 a year, superseded (12-5-62).

WALKER, BRIAN L. H., Research Associate in Food Technology (S), eight months from January 1, 1963, $6,200 a year, superseded (12-20-62).

WHITTINGTON, WILLIAM V., Chief of Party and Professor of Physiology at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand under Contract AID/fe-2, October 22, 1962-October 21, 1964, $19,035 a year; and Professor of Physiology (Medicine), indefinite tenure from October 22, 1964, superseded (11-12-62).

WILLIAMS, VERNITA, Assistant Chief Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), eight months from January 1, 1963, $8,500 a year, superseded (12-11-62).

WILLSON, ROBERT G., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), 1/2 time, nine months from December 1, 1962, $3,700 a year (12-11-62).

ZALAR, RICHARD W., Clinical Instructor in Medicine (Medicine), eight months from January 1, 1963, without salary (12-19-62).

GRADUATE FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

CROTHAMEL, DAVID A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $5,666.25, superseded (11-14-62).

GALLIART, WILLARD H., General Electric Foundation Summer Fellow in Accountancy, two months from June 16, 1963, $500 (12-17-62).

LAHEY, JAMES M., General Electric Foundation Summer Fellow in Accountancy, two months from June 16, 1963, $1,000 (12-17-62).

NOZU, KEICHI, Postdoctoral Fellow (Trainee) in Microbiology, one month from January 1, 1963, $558.33 (12-17-62).

RAMSEY, Audder L., General Electric Foundation Summer Fellow in Accountancy, two months from June 16, 1963, $1,000 (12-17-62).

STRAHRS, GERALD, United States Public Health Service Fellow (Trainee) in Chemistry, nine months from December 1, 1962, $1,800 (12-4-62).

WEBER, FRANK E., Campbell Soup Company Fellow in Food Technology, nine months from September 1, 1962, $2,400, superseded (12-24-62).

RESIDATIONS, CANCELLATIONS, DECLINATIONS, AND TERMINATIONS

BLANDY, JOHN P., Clinical Assistant Professor of Urology, Department of Surgery (Medicine)—resignation effective January 26, 1963.

DALLA, FRANKLIN C., Director of the Chicago Housing Division—cancellation effective September 1, 1962.

EVANS, DAVID R., Associate Professor of Entomology and of Physiology and Biophysics—resignation effective August 1, 1963.

HARPER, JAMES A., Project Assistant in the State Natural History Survey—resignation effective January 9, 1963.

JOHNSON, RICHARD M., Charles E. Merriam Fellow in Political Science—resignation effective February 1, 1963.

LEON, HECTOR R., Assistant in Anesthesiology, Department of Surgery (Medicine)—resignation effective December 1, 1962.

LOOMIS, F. WHEELER, Professor of Physics (Engineering)—resignation effective January 1, 1963.

NUTTALL, JOHN L., Jr., Executive Officer of Naval Science—resignation effective January 1, 1963.

PATTON, FRANKLIN D., Fellow in Geology—resignation effective February 1, 1963.

RODRIGUEZ, MANUEL V., Assistant in Anesthesiology, Department of Surgery (Medicine)—resignation effective December 1, 1962.

SOKKAR, THOURAYA A., Assistant in Anesthesiology, Department of Surgery (Medicine)—resignation effective October 1, 1962.
THOMPSON, MRS. MARGARETA O., Catalog Assistant in the Library — resignation effective February 18, 1963.

ZACHMAN, HELEN, Cataloger in the Library, with rank of Instructor — resignation effective February 1, 1963.

LEAVES OF ABSENCE

KAISER, HENRY F., Associate Professor of Education (Bureau of Educational Research) and of Psychology — leave of absence, without pay, for one month from July 16, 1963, so that he may accept an invitation to teach in the summer session at the University of Wisconsin.

KARLOWITCH, ROBERT A., Bibliographer in the Library, with rank of Assistant Professor — leave of absence on ¾ time, without pay, for three months from February 1, 1963.

KEYES, SCOTT, Associate Professor of Regional Planning, Department of City Planning and Landscape Architecture — leave of absence, without pay, for three months from January 1, 1963, so that he may go on a mission in the Sudan for the United Nations.

SABBATICAL LEAVES OF ABSENCE

GRAEBNER, NORMAN A., Professor of History and Chairman of the Department — sabbatical leave of absence on one-half pay for one year beginning with the second semester of the academic year 1962-63, and continuing through the end of the first semester of the academic year 1963-64.

KIRK, SAMUEL A., Professor of Psychology and of Education, and Director of the Institute for Research on Exceptional Children — sabbatical leave of absence, on full pay, for six months from March 1, 1963.

CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

THOMSON, ROBB M., Professor of Physical Metallurgy, College of Engineering — sabbatical leave of absence for the second semester of 1962-63 on full pay, cancelled, without prejudice.

FUTURE MEETINGS OF THE BOARD

President Clement announced that the February meeting of the Board will be held in Urbana on Wednesday, February 20, 1963; and that the annual meeting will be held on March 20, 1963, also in Urbana, the Board having previously voted to change the annual meeting from the second Tuesday (March 12) to the third Wednesday (March 20).

EXECUTIVE SESSION

An executive session was requested, and was ordered, for consideration of reports and recommendations relating to property acquisitions.

On motion of Mr. Dilliard the Board recessed.

When the Board reconvened in executive session, all members of the Board were present, as recorded at the beginning of these minutes, except Governor Kerner and Mr. Page, who asked to be excused.

LAND ACQUISITIONS

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the acquisition of the following properties for the purposes and prices indicated:

404 East Chalmers Street, Champaign — site for Single Graduate Students Residence Hall .......................................................... $29,500

The property consists of a lot 51.5 feet by 116.24 feet and a two-story and basement frame house. Possession will be delivered by February, 1963.

1308 West Springfield Avenue, Urbana — site for expansion of Digital Computer Laboratory .................................................. 21,000

The property consists of a lot 49.5 feet by 100 feet and a one-story and basement frame house and two-car garage. Possession will be delivered by September, 1963.
Funds for the purchase of these properties are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

907 West Nevada Street, Urbana—site for Single Undergraduate Student Residence Hall.$34,000
The property consists of a lot 65 feet by 147.4 feet and is improved with a two-story and basement frame dwelling. Possession will be delivered by July 1, 1963. The house will be used as a student cooperative rooming house until such time as it is needed for building.

Funds for the purchase of this property are available in the Housing Division Reserve Funds.

The recommendations for these property acquisitions have been reviewed with and approved by the Committee on Buildings and Grounds.

I concur.

On motion of Mr. Williamson, these property purchases were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page, Mr. Pogue.

On motion of Mr. Williamson, the Board adjourned.

A. J. JANATA
Secretary

HOwARD W. CLEMENT
President
The February meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, February 20, 1963, beginning at 11:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. V. L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.
Board of Trustees called attention to the following provisions in the Act of the General Assembly of Illinois creating a Board of Higher Education:

"the respective chairmen of the Board of Trustees of the University of Illinois, the Board of Trustees of Southern Illinois University, and the Teachers' College Board; one member of each of the three foregoing Boards selected by the members thereof; and the Superintendent of Public Instruction."

"The members of the Board appointed respectively by the Board of Trustees of the University of Illinois, the Board of Trustees of Southern Illinois University, and the Teachers' College Board shall each hold office for two-year terms expiring on January 31 of odd numbered years.

"The members of the Board shall continue to serve after the expiration of their terms until their successors have been appointed."

The term of Mr. Wayne A. Johnston having expired, the Board was asked to take action in the matter of its representation.

On motion of Mr. Williamson, Mr. Johnston was reelected as the member of the Board of Trustees of the University of Illinois to serve with the President of the Board on the Board of Higher Education; Mr. Johnston voted "No."

Biennial Operating and Capital Budgets for 1963-65

Mr. Howard W. Clement and Mr. Wayne A. Johnston, members of the Board of Trustees of the University of Illinois who are also serving on the State of Illinois Board of Higher Education, submitted the following report.

On October 17, 1962, the Board of Trustees adopted a budget request, for the operation of the University of Illinois in the biennium 1963-65, to be presented to the Governor and the General Assembly, and authorized the President of the Board, the Chairman of the Finance Committee of the Board, and the President of the University to present the request to the appropriate offices, officials, and committees.

Similarly on November 9, 1962, the Board of Trustees adopted a capital budget with similar authorizations and instructions.

As a part of the budgetary review process, both budgets were submitted to the Illinois Board of Higher Education. The Board has reviewed both budgets and has made recommendations concerning them. The differences between the original budgets as presented by the Board of Trustees and the recommendations of the Board of Higher Education are reflected in the tables which follow this report.

In summary, for operations the Board of Trustees requested an increase of $31,044,000, which amounted to an increase of 21.4 per cent over the amount available for the 1961-63 biennium. The Board of Higher Education approved a request for an increase of $26,616,681, an 18.4 per cent increase. If the opening of the Congress Circle campus is deferred, further reductions will be made, subject to a maximum total reduction of $3,232,000 if the Congress Circle campus does not open until September, 1965.

In the capital budget, the Board of Trustees approved a request of $39,865,240, which included a reappropriation of unused bond issue funds, or an increase in new funds of $33,893,740. The Board of Higher Education has approved a request of $25,568,540, including unused bond issue funds, or a net amount of new money of $18,968,540, to be increased subsequently by whatever additions to the power plant may be mutually determined as required by the new facilities approved.
Comment

Operating Budget

The major differences between the Trustees' request for an increase in operating funds and the amounts recommended by the Board of Higher Education are in two items: salary increases and the requirements for maintaining the present level of services with increased enrollments and increased costs. The Board of Trustees, mindful of the University's position in relationship to salary levels at similar universities across the land, and resolving to improve the relative position of the University of Illinois, recommended an amount equal to 9 per cent of the academic personal service budget in the first year of the biennium and 5 per cent in the second. The Board of Higher Education recommended an increase in the academic salary budget of 6 per cent for the first year of the biennium and 5 per cent in the second.

The Board of Higher Education, no less than the Board of Trustees, is aware of the necessity for salary improvement. The difference here is one of judgment as to rate of progress and rate of improvement.

The other major difference is in the amount estimated as required for maintaining the present level of services. Here again, the difference is in judgment rather than on policy or objective, and a reconciliation of points of view should be possible in future years from studies of the specific items involved.

Capital Budget

The difference between the Board of Trustees' request and the Board of Higher Education's action on the capital budget may be accounted for largely in the omission of the following four building projects:

- At Urbana-Champaign — office-classroom building and the addition to Smith Music Hall, and at the Medical Center, Chicago — addition to the East Dentistry-Medicine-Pharmacy Building and the Physical Plant Service Building.

It may be said that variations in estimates of enrollment capacity and enrollment projections account in part for the differences in point of view as to the urgency of the two buildings eliminated at the Urbana campus.

The two buildings eliminated at the Medical Center campus are, in the judgment of the administration and the Trustee members of the Board of Higher Education, of unquestioned importance to the improvement and development of that campus.

Nonetheless, the sense of urgency about the need for these four structures was not shared by our colleagues on the Board of Higher Education, and further discussions will no doubt be held concerning these items in the future.

Recommendation

We believe that the original budget requests of the Board of Trustees were fully justified, in the light of the total needs of the University, and of the needs of the state for University of Illinois services.

At the same time, we believe that the Board of Higher Education has an important role to play in the future welfare of higher education in the state of Illinois and that cooperative support from the governing boards of the state universities should be brought to the decisions of the Board of Higher Education at this time. We believe that most of the differences are in judgment, not objectives, and that these differences can be reconciled by additional studies during the next biennium, when there will be more time for interchange of ideas, consultation, and analysis of data. Further, the "master plan" studies which are now going forward under the auspices of the Board of Higher Education should be helpful in evaluations which are to be made in the future.

We believe that the original budget requests of the Board of Trustees were fully justified, in the light of the total needs of the University, and of the needs of the state for University of Illinois services.

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Accordingly, in the interest of encouraging coordination in higher education in the state of Illinois, we recommend that the recommendations of the Board of Higher Education with reference to the budgets for operation of the University of Illinois and for capital projects be endorsed as reflecting the official position of the Board of Trustees. We further recommend that the representatives of the Board of Trustees and the administration of the University be authorized to present this position to the appropriate state officials and members of the General Assembly, hence modifying the original budget requests as presented in November.

On motion of Mr. Williamson, the foregoing recommendations and the adjustments in the operating and capital budgets, as shown in the
boards which appear below, were approved and authority was given as requested; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**Increases in Operating Budget, 1963-65**

<table>
<thead>
<tr>
<th>Budget Categories</th>
<th>University Requests</th>
<th>Recommendations, Board of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Contributions to University Retirement System</td>
<td>$742,900</td>
<td>$742,900</td>
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<tr>
<td>II. To Continue for a Full Biennium Funds Required for One Year Only in the 1961-63 Biennium</td>
<td>2,700,000</td>
<td>2,700,000</td>
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<tr>
<td>III. Salary Adjustments for All Staff</td>
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<tr>
<td>A. 1963-64 (for two years)</td>
<td>9,000,000</td>
<td>6,423,424</td>
<td>2,576,576</td>
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<tr>
<td>B. 1964-65 (for one year)</td>
<td>3,000,000</td>
<td>2,743,724</td>
<td>256,276</td>
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<td>IV. To Provide for Increased Enrollment in 1963-64 (for two years)</td>
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<tr>
<td>A. Instructional Staff (Urbana and Medical Center)</td>
<td>2,740,000</td>
<td>2,740,000</td>
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<tr>
<td>B. Nonteaching Staff, Expense, and Equipment</td>
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<tr>
<td>1. Urbana and Medical Center</td>
<td>2,060,000</td>
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<td>2. Congress Circle</td>
<td>1,000,000</td>
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<td>V. To Provide for Increased Enrollment in 1964-65 (for one year)</td>
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<tr>
<td>A. Instructional Staff (Congress Circle)</td>
<td>1,770,000</td>
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<td>B. Nonteaching Staff, Expense, and Equipment (Congress Circle)</td>
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<tr>
<td>VI. To Meet Increased Cost of Operation</td>
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<tr>
<td>A. Operating Costs of New Buildings in 1963-64 (for two years)</td>
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<tr>
<td>1. Urbana and Medical Center</td>
<td>1,571,100</td>
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<td>2. Congress Circle</td>
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<tr>
<td>B. Operating Costs of New Buildings in 1964-65 (for one year)</td>
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<tr>
<td>1. Urbana and Medical Center</td>
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<tr>
<td>2. Congress Circle</td>
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<td>C. Increases to Maintain Present Level of Services</td>
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<tr>
<td>1. Increases in Expense and Equipment to Meet Rising Costs and Accumulated Deficiencies</td>
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<td>2. Increases in Auxiliary Staff to Meet Accumulated Deficiencies</td>
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<td>VII. Improvements in Educational Programs</td>
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<tr>
<td>A. College of Engineering</td>
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<tr>
<td>1. Physics of the Upper Atmosphere</td>
<td>80,000</td>
<td>80,000</td>
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1 If the opening of Congress Circle campus is deferred, further reductions will be made, subject to a maximum total reduction of $3,232,000 if the Congress Circle campus is not available until September, 1965.
### Budget Categories

<table>
<thead>
<tr>
<th>University of Higher Education</th>
<th>University Requests</th>
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<tbody>
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<td>2. Molecular Electronics</td>
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<td>3. Nuclear Engineering</td>
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### B. College of Liberal Arts and Sciences

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<tr>
<td>2. Asian Studies</td>
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### C. College of Medicine

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<td>2. School of Associated Medical Sciences</td>
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### D. College of Nursing

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<td>1. Master of Science in Nursing Education</td>
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### Totals

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<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>$31,044,000</td>
<td>$26,616,681</td>
<td>$4,427,319</td>
</tr>
</tbody>
</table>

### Capital Budget 1963-65

#### Projects

<table>
<thead>
<tr>
<th>Major Buildings</th>
<th>University of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbana-Champaign</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>$2,250,000</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>$3,000,000</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>$4,216,000</td>
<td></td>
</tr>
<tr>
<td>Smith Music Hall Addition</td>
<td>$2,400,000</td>
<td>$2,400,000</td>
</tr>
<tr>
<td>Office-Classroom Building</td>
<td>$3,000,000</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Veterinary Medicine Clinic</td>
<td>$4,000,000</td>
<td>$4,000,000</td>
</tr>
<tr>
<td>Subtotal</td>
<td>(18,866,000)</td>
<td>(13,466,000)</td>
</tr>
</tbody>
</table>

#### Medical Center

<table>
<thead>
<tr>
<th>University of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Plant Service Building</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>Addition to Dentistry-Medicine-Pharmacy Building</td>
<td>$2,500,000</td>
</tr>
<tr>
<td>Subtotal</td>
<td>(4,000,000)</td>
</tr>
</tbody>
</table>

#### Total Major Buildings

<table>
<thead>
<tr>
<th>University of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>$22,866,000</td>
<td>$13,466,000</td>
</tr>
</tbody>
</table>

#### Other Capital Needs

<table>
<thead>
<tr>
<th>University of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remodeling, Modernization, Minor Additions</td>
<td>$2,900,000</td>
</tr>
<tr>
<td>Funds to Supplement Outside Grants</td>
<td>$1,700,000</td>
</tr>
<tr>
<td>Power Plant Addition (Urbana-Champaign)</td>
<td>$4,000,000</td>
</tr>
<tr>
<td>Land Acquisition</td>
<td>$1,000,200</td>
</tr>
<tr>
<td>Planning Funds</td>
<td>$1,900,000</td>
</tr>
<tr>
<td>Improvements for Protection of Life and Property</td>
<td>$258,840</td>
</tr>
<tr>
<td>Improvements to Grounds</td>
<td>$440,700</td>
</tr>
</tbody>
</table>

#### Total New Projects

<table>
<thead>
<tr>
<th>University of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>$35,065,740</td>
<td>$20,569,040</td>
</tr>
</tbody>
</table>

#### Equipment for Buildings Built from Bond Issue

<table>
<thead>
<tr>
<th>University of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$39,865,240</td>
</tr>
<tr>
<td>Deduct Bond Fund Balances</td>
<td>$5,971,500</td>
</tr>
<tr>
<td>New Appropriations</td>
<td>$33,893,740</td>
</tr>
</tbody>
</table>

#### Deduct Bond Fund Balances

<table>
<thead>
<tr>
<th>University of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6,400,000</td>
<td>$1,650,000</td>
</tr>
</tbody>
</table>

#### New Appropriations

<table>
<thead>
<tr>
<th>University of Higher Education</th>
<th>Recommended Reductions</th>
</tr>
</thead>
<tbody>
<tr>
<td>$18,968,540</td>
<td>$14,925,200</td>
</tr>
</tbody>
</table>

---

1. Reassignment of Bond Fund balances, $6,400,000.
2. Of this amount, $1,150,000 to come from reassigned Bond Fund balances; $479,000 earmarked for Mental Health Research Building.
3. Funds for necessary power plant addition and utility extension to be added.
4. Add. (Estimate of Bond Fund balance has been increased.)
BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>DONALD THOMAS DIEDRICH</td>
<td>Rockford, Illinois</td>
<td>California</td>
</tr>
<tr>
<td>OSCAR ISAAC GOLDBERG</td>
<td>St. Louis, Missouri</td>
<td>Missouri</td>
</tr>
<tr>
<td>HOWARD LESTER STERNBERG</td>
<td>Chicago, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>JACK EDGAR WAGAR</td>
<td>Barrington, Illinois</td>
<td>Michigan</td>
</tr>
</tbody>
</table>

The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard written examination given in November, 1962, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943 as amended:

LEONARD WALLACE ARENTSEN, Elmwood Park, Illinois
KEITH CONRAD AXTELL, Evanston, Illinois
JOHN WILLIAM BACKMAN, Oak Park, Illinois
PHILIP LOUIS BALL, Skokie, Illinois
DALE LESTER BARAKS, Moline, Illinois
MAX AVROM BARTELSTEIN, Chicago, Illinois
WILLIAM LEE BECK, Clarendon Hills, Illinois
HOWARD ROBERT BENDITZSON, Evanston, Illinois
ROBERT LEONARD BERGE, Berwyn, Illinois
JOHN JAMES BERGER, Mt. Prospect, Illinois
RODNEY MERLIN BLOOM, Park Forest, Illinois
JERRY ALAN BLUMENSHINE, Des Plaines, Illinois
EDWARD JOHN BOCK, McHenry, Illinois
ROBERT CHARLES BONGES, Ottawa, Illinois
HAROLD SHELDON BOTT, Jr., Kenilworth, Illinois
SEYMOUR BRANDIN, Chicago, Illinois
JOHN PAUL BREITBACH, Peoria, Illinois
MICHAEL MARTIN BROWN, Chicago, Illinois
JEROME JOHN BRYG, Melrose Park, Illinois

DAVID LOUIS BUCHHOLZ, Elk Grove Village, Illinois
THOMAS ANTHONY BUETTNER, Chicago, Illinois
GEORGE HAMILTON BUNGE, Chicago, Illinois
HARVEY EDWARD CAMPBELL, Chicago, Illinois
CHARLES GRAYSTON CARPENTER, Urbana, Illinois
MARSHALL LEROY CARPENTER, Lombard, Illinois
JAMES GRONAU CARR, Chicago, Illinois
CONRAD WALTER CHERRY, Oak Lawn, Illinois
BARRY STUART CHESSICK, Chicago, Illinois
JOHN ANGELO COCALES, Cicero, Illinois
JORDAN HARVEY COHEN, Chicago, Illinois
PHILIP WORTH CRAWFORD, Park Forest, Illinois
DONALD BROWNLEE CULLEN, Chicago, Illinois
MICHAEL WILLIAM DALY, Chicago, Illinois
RICHARD ANTHONY DAUNGRAS, Glenview, Illinois
IRWIN THEODORE DAVID, Chicago, Illinois
PHYLLIS BOUTON DITTMER, East Peoria, Illinois
TIMOTHY JOSEPH DONOHUE, Chicago, Illinois
ROBERT MICHAEL DUCAY, Brookfield, Illinois
STUART DUHL, Lincolnwood, Illinois
DAVID ALLEN DUNNIWAY, Morton, Illinois
CARL PHILIP EGELSBACH, Chicago, Illinois
RONALD ZECIL EMMERMAN, Skokie, Illinois
DAVID HAROLD FARKAS, Chicago, Illinois
DONALD CARL FEISTNER, Chicago, Illinois
EARL ERVIN FELSEK, Chicago, Illinois
JOHN ROBERT FIELDS, Champaign, Illinois
ANTHONY JOHN FILOSA, Melrose Park, Illinois
BARRY EVAN FINK, Chicago, Illinois
ROBERT JOHN FORSBORG, Naperville, Illinois
LARRY LEE FREDERICKSEN, Park Forest, Illinois
HARVEY GAFFEN, Chicago, Illinois
ALEXANDER JOSEPH GIANNONI, Chicago, Illinois
WILLIAM ALLEN GIFFORD, Northbrook, Illinois
HOWARD CALVIN GOODE, Chicago, Illinois
SHERWIN GOTFEN, Prospect Heights, Illinois
CARL ANTHONY GORSKI, Chicago, Illinois
GEORGE FRANK GORSKI, Chicago, Illinois
JOSEPH STEWARD GRAY, Chicago, Illinois
DAVID JAY GREENBERG, Niles, Illinois
CHARLES ALLAN GREENSTEIN, Chicago, Illinois
BARRY BERNARD GROSS, Chicago, Illinois
Gerald Haynes GRUBER, Flossmoor, Illinois
Charles Harold Gunderson, Jr., Skokie, Illinois
SEYMOUR GUTZAIT, Chicago, Illinois
DONALD DUANE HACKETT, Jr., Forest Park, Illinois
JOHN JOSEPH HALLIGAN, Springfield, Illinois
WILLIAM PATRICK HANCOCK, Bloomington, Illinois
THOMAS HUBERT HANSEN, Oak Lawn, Illinois
JOHN WALTER HAUCH, La Grange Park, Illinois
MICHAEL GEORGE HAVERTY, Evanston, Illinois
FORREST DUANE HAYES, Chicago, Illinois
DALE IRWIN HECHOX, Oak Park, Illinois
STEVEN ALLAN HELFAND, Chicago, Illinois
WILLIAM ROLAND HINKLE, Glenview, Illinois
DONALD BURKE HORAN, Chicago, Illinois
RONALD JOSEPH HUNDMAN, Chicago, Illinois
GERALD JOHN JACOBS, Rockford, Illinois
JOHN LEROY JAGER, Chicago, Illinois
RONALD JAMES JACOBSON, Downers Grove, Illinois
ALLAN LOUIS JANDER, La Grange, Illinois
LARRY D. JOHNSON, Glen Ellyn, Illinois
HOWARD GORDON KAPLAN, Chicago, Illinois
JAMES CORBETT KELLEY, Sterling, Illinois
THOMAS STEPHEN KELLY, La Grange, Illinois
JEROME KESSLER, West Dundee, Illinois
RICHARD LOUIS KESSLER, Champaign, Illinois
COLEMAN EUGENE KLEIN, Chicago, Illinois
HERMAN ARNOLD KORNATZ, Chicago, Illinois
LARRY LEE KUPPLER, Decatur, Illinois
ALBERT KUSHINSKY, Niles, Illinois
MICHAEL RONALD KUTSKA, Chicago, Illinois
JOSEPH ANTHONY LAMENDILLA, Chicago, Illinois
HARVEY IRVIN LAPIN, Skokie, Illinois
SHERWIN HAYES LEFF, Chicago, Illinois
HOWARD DAVID LEMAN, Lincolnwood, Illinois
WILLIAM MORRIS LIEBER, Chicago, Illinois
JOANNE MARY LOFTUS, Chicago, Illinois
FRANCES RATNER LOMAN, Chicago Heights, Illinois
KENNETH WALTER LOSSIN, Worth, Illinois
MYRON JAMES LOULA, Dolton, Illinois
HOWARD ALLEN MALIS, Homewood, Illinois
EDWARD ANTHONY MALLANAY, Bradley, Illinois
WILLIAM JOSEPH MAMMOSER, Chicago, Illinois
NORMAN ERWIN MARGOLIN, Chicago, Illinois
JOHN DAVID MARSHALL, Somonauk, Illinois
JOHN MICHAEL MAXWELL, Deerfield, Illinois
JOHN EDWARD McENROE, Chicago, Illinois
PATRICK JOSEPH MCGRUIRE, South Holland, Illinois
LEONARD MILLER, Chicago, Illinois
ERROL PAUL MITLYNG, Park Forest, Illinois
JOSEPH JOHN MORDINI, Norridge, Illinois
FLOYD ELLIS MORROW, Hinsdale, Illinois
MICHAEL HERBERT MOSS, Chicago, Illinois
EDWARD THOMAS MURPHY, Westchester, Illinois
EUGENE MARTIN MUSIAL, Oak Park, Illinois
WILLIAM L. NOTHMAN, Evanston, Illinois
JAMES HARRY OBBRECHT, Chicago, Illinois
DANIEL FRANCIS O'CONNELL, Chicago, Illinois
GERALD WILLIAM O'CONNELL, Chicago, Illinois
DAVID JOHN OESTREICH, Chicago, Illinois
JOEL WELSCH SMITH, Chicago, Illinois
WALTER DELOS SMITH, Forest Park, Illinois
ROBERT ALLEN SNYDER, Lombard, Illinois
ALFRED THOMAS SPADA, Oak Park, Illinois
ROBERT EDWIN SPELLMEYER, Elgin, Illinois
DEAN E. STAMOS, Chicago, Illinois
JAMES GADDIS STANFORTH, Chicago, Illinois
RICHARD LEONARD STARKEY, La Grange, Illinois
ALAN LOUIS STEGER, Forest Park, Illinois
WILLIAM CHARLES STEIN, Oak Park, Illinois
DAVID DALE STENTZ, Chicago, Illinois
RICHARD CLARENCE STEPHAN, Chicago, Illinois
DAVID LEE STOCKING, Rockford, Illinois
LOUIS EUGENE STRIEGEL, Jr., Normal, Illinois
LEE PAUL SWITZER, Chicago, Illinois
RICHARD FRANCIS TEERLINK, South Holland, Illinois
STEWART THOMPSON, Chicago, Illinois
THEODORE JAMES THOMPSON, Chicago, Illinois
ROBERT JAMES TOMSOVIC, Chicago, Illinois
EARL KAY TURNIPSEED, Winfield, Illinois
JAMES FRANCIS V OELLINGER, Belleville, Illinois
RALPH JOHN WAGNER, Oak Lawn, Illinois
SHELTON JAY WEINSTEIN, Oak Lawn, Illinois
CHARLES MORRIS WEISS, Chicago, Illinois
PAUL WILEN WENTZIEN, Chicago, Illinois
CHARLES AUGUST WERNER, La Grange Park, Illinois
THOMAS GUY WEST, Galesburg, Illinois
HOWARD JOSEPH WILES, Peoria, Illinois
GERALD LEO WOLF, Glenview, Illinois
JOHN JEFFERSON WOOLLEY, Rolling Meadows, Illinois
ALLAN ARNOLD WULFSTAT, Chicago, Illinois
DANIEL MICHAEL WYNN, Wilmette, Illinois
ALAN LAURENCE ZABLE, Oak Park, Illinois
JOSEPH JOHN ZAHAITIS, Chicago, Illinois

On motion of Mr. Johnston, these certificates were awarded.
APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. JAMES M. ALSOBROOK, JR., Visiting Assistant Professor of Psychology, beginning February 1, 1963, on one-third time, at an annual salary of $2,400 (E33).

2. J. JOHN AUSTIN, Assistant Professor of Sanitary Engineering, in the Department of Civil Engineering, beginning September 1, 1963, at an annual salary of $8,100 (B).

3. ROGER N. HANCOCK, Visiting Assistant Professor of Philosophy, for four and one-half months from February 1, 1963, at a salary of $3,800 (E).

4. WALTER HIRSCH, Professor of Psychiatry, in the College of Medicine, beginning December 1, 1962, without salary (DY).

5. ELBERT R. JAOOX, Associate Professor of Apiculture, in the Department of Horticulture, beginning April 1, 1963, at an annual salary of $11,000 (DY).

6. FRITZ LUTY, Visiting Associate Professor of Physics, for seven months from April 1, 1963, at a salary of $9,800 (G).

7. WILLIAM E. MONTAGUE, Visiting Assistant Professor of Psychology, for four and one-half months from February 1, 1963, at a salary of $5,000 (E).

8. HAROLD J. RHODES, Assistant Professor of Pharmacy, beginning January 1, 1963, at an annual salary of $9,000 (D).

9. JOHN H. TALBOTT, Lecturer in Medicine with rank of Professor, beginning January 1, 1963, without salary (DY).

10. ROBERT A. WISE, Professor of Surgery, assigned to Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, for two years from January 7, 1963, at an annual salary of $15,000 (FY).

On motion of Mr. Dilliard, these appointments were confirmed.

COLLEGE OF BUSINESS ADMINISTRATION AT CHICAGO UNDERGRADUATE DIVISION AND CONGRESS CIRCLE

(3) The Board of Trustees has authorized expansion of the educational program for the Chicago Undergraduate Division which includes, as major administrative units for the new Congress Circle campus during the initial stage of development, Colleges of Liberal Arts and Sciences, Engineering, Commerce and Business Administration, Fine and Applied Arts (now Architecture and Art); and Divisions of Education and of Physical Education.

The faculty of Commerce and Business Administration and the Vice-President for the Chicago Undergraduate Division recommend changing the name of the college to College of Business Administration.

I concur in this recommendation.

On motion of Mr. Swain, this recommendation was approved.

APPOINTMENT OF DEAN OF COLLEGE OF BUSINESS ADMINISTRATION AT CHICAGO UNDERGRADUATE DIVISION

(4) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Dr. Raymond W. Coleman, presently Professor of Economics and Management at the University of West Virginia, as Professor of Economics and Management on indefinite tenure and Dean of the College of Business Administration at the Chicago Undergraduate Division and at Congress Circle, beginning June 16, 1963, at a salary of $21,500 per year on a twelve-month service basis.

The nomination for this appointment was made by an ad hoc Committee, and the recommendation is submitted after consultation with the faculty of Commerce and Business Administration, with the Vice-President's Advisory Council at the Chicago Undergraduate Division, and with the Dean and several department heads of the College of Commerce and Business Administration at Urbana-Champaign; and is concurred in by the Executive Vice-President and Provost and the Dean of the Graduate College.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

1 Norman A. Parker, Vice-President for the Chicago Undergraduate Division, Chairman; Jack W. Peltason, Dean, College of Liberal Arts and Sciences, Urbana; Dwight Flanders, Professor of Economics, Urbana; Lucile Derrick, Professor of Economics, Chicago Undergraduate Division; and Albert J. Schneider, Associate Professor of Accountancy, Chicago Undergraduate Division.
HEADSHIP OF THE DIVISION OF GENERAL STUDIES
(5) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Dr. Halbert E. Gulley as Professor of Speech on indefinite tenure and Head of the Division of General Studies, effective at the beginning of the second semester, at an annual salary of $11,500.

Professor Gulley has been serving as Acting Head of the Division since September, 1962, succeeding Professor James M. McCrimmon who asked to be relieved of his administrative duties so that he could devote full time to teaching and to research in the teaching of English. In submitting his recommendation, the Dean states: "Professor Gulley has been an energetic and vigorous member of the Division, and under his leadership it will continue to make progress." The recommendation has the unanimous support of the Executive Committee of the College, the Head of the Department of Speech and Theatre, and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

CHANGE IN ORGANIZATION OF DEPARTMENT OF BOTANY
(6) The Department of Botany is presently administered under a chairmanship organization. On the basis of a majority vote of the members of the department of professorial rank, the Dean of the College of Liberal Arts and Sciences recommends that the form of departmental organization be changed from a chairmanship to a headship, effective September 1, 1963.

The Dean also recommends that Dr. John Laughnan of the Department of Botany be appointed Professor of Botany and Professor of Plant Genetics in Agronomy, on indefinite tenure, and Head of the Department of Botany, effective September 1, 1963, at an annual salary of $17,450, on a nine-month service basis.

The recommendation for this appointment is submitted after consultation with the members of the staff of the Department of Botany and is supported by the Director and Executive Committee of the School of Life Sciences, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I concur in these recommendations.

On motion of Mr. Hughes, these recommendations were approved.

REVISIONS IN MAJORS AND MINORS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES
(7) The Urbana-Champaign Senate has approved recommendations from the College of Liberal Arts and Sciences for a major in biology sponsored by the School of Life Sciences; for changes in majors and minors in the sciences and letters curriculum; and for changes in majors and minors in music, classics, rhetoric, speech, and English.

A supporting memorandum giving the details of these revisions is submitted herewith and a copy is being filed with the Secretary of the Board for record.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

These changes are effective for students enrolling in September, 1963, and thereafter. Although Board approval is not required, the changes are nevertheless reported for official record.

On motion of Mrs. Watkins, these revisions were accepted for official records.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES
(8) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

Urbana-Champaign
1. College of Agriculture
   Department of Food Technology, moving into and equipping Burris Research Laboratory...........................................$ 17,700 00
   Animal Sciences Laboratory, prefabricated refrigerated controlled environmental walk-in room........................................... 12,000 00
   Department of Forestry, plywood shear testing machine.............. 2,700 00
2. College of Education
   Department of Vocational and Technical Education, equipment ...... 4 990 00
3. College of Engineering
   Department of Electrical Engineering, equipment ....................... 10 890 00
   Department of Civil Engineering, equipment ............................. 22 300 00
   Department of Mining, Metallurgy, and Petroleum Engineering,
   machine tools ........................................................................... 9 305 00
4. College of Fine and Applied Arts
   Department of Art, equipment ................................................ 13 000 00
5. College of Liberal Arts and Sciences
   Department of Chemistry and Chemical Engineering, equipment for
   teaching laboratories ............................................................... 70 000 00
   Language Laboratory, equipment ............................................. 24 750 00
6. Library, library additions (book and binding funds) ..................... 50 000 00
7. Physical Plant
   Classroom remodeling and rehabilitation .................................... 60 000 00
   Remodeling buildings at 1208 West Springfield Avenue and 1116
   West Illinois Street, Urbana, for the University High School
   Mathematics Project ............................................................... 3 500 00
   Remodeling of College of Engineering administrative offices .......... 19 290 00
   Air conditioning in Civil Engineering Hall .................................. 18 585 00
   Remodeling of Room 50 in Electrical Engineering Building ........... 27 844 79
   Remodeling of rooms, including installation of new lighting, in
   Harker Hall, assigned to Department of Chemistry and Chemical
   Engineering for staff offices .................................................. 5 900 00
   Remodeling in Lincoln Hall for Language Laboratory and Depart-
   ment of Speech and Theatre .................................................... 10 785 00
   Remodeling in Hydraulics Research Laboratory ......................... 8 960 00
   Welding system for sculpturing classes ..................................... 3 195 00
   Light fixtures for Smith Music Hall .......................................... 5 585 00
   Remodeling in Gregory Hall for Department of Psychology labo-
   ratories ................................................................................ 5 300 00
   Remodeling of Room 19 in the Library ..................................... 5 880 00
   Remodeling in Men's Old Gymnasium (construction of a circuit
   training course and air conditioning of the Therapeutic Exer-
   cise Clinic) ............................................................................. 7 880 00
   Painting and redecorating lounge in Women's Gymnasium .............. 3 045 00
   Painting of Large Animal Clinic ............................................... 4 750 00
   Total, Urbana-Champaign ....................................................... $428 134 79

Chicago Undergraduate Division
1. College of Liberal Arts and Sciences, biological sciences equipment.$ 5 040 00

Medical Center
1. Pharmacy, laboratory equipment for Drug and Horticultural Ex-
   periment Station ................................................................. $ 7 220 00
2. Research and Educational Hospitals, cardiac catheterization laboratory
   equipment ............................................................................. 55 000 00
   Total, Medical Center ............................................................ $62 220 00
   Grand Total ............................................................................. $495 394 79

I concur.

On motion of Mr. Johnston, these appropriations were made by the
following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr.
Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wil-
liamson; no, none; absent, Mr. Kerner.

REVISIONS IN STUDENT SERVICE FEES

(9) The Committee on Fees recommends a revision of the Student Service Fee
charged on the Urbana-Champaign campus, effective September 1, 1963, according
to the schedule below.
Fee for noncredit registrations of students in residence for thesis research only: $10.00 a semester and $5.00 for the summer session, reduced from $15.00. It will be noted that the changes are in the direction of reducing the fee charged students registered for partial programs of work, many of whom—usually school teachers—commute to the campus for a single course.

I concur.

On motion of Mr. Swain, the recommended changes were approved.

**CONTRACT FOR SANITARY SEWER**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contract to Cross Construction, Inc., Urbana, Illinois, the lowest bidder, for construction of a sanitary sewer to the new College of Education and College of Commerce buildings, and to other buildings in their area, at a total price of $58,936.30, being the amount of the base bid plus additive alternates for rerouting existing sewers to the new sewer and providing granular fill for that portion of the sewer under Taft Drive.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACTS FOR LANDSCAPING OF SITES OF NEW BUILDINGS AT URBANA-CHAMPAIGN**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for landscaping of areas of four new buildings recently constructed or now being completed on the Urbana-Champaign campus, the award in each case being to the lowest bidder:

- Twin City Landscape Service, Inc., Urbana, Illinois—for complete landscape work in the Assembly Hall area. $49 009 92
- J. R. Ingels, an individual doing business as Henry Nurseries, Henry, Illinois—for complete landscaping at the Burnsides Research Laboratory, Health Service Addition to McKinley Hospital, and Physical Plant Service Building. 10 977 09

Funds are available in the construction budgets of the four buildings. I concur.
On motion of Mr. Dilliard, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR CAMPUS TREE PLANTING**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $15,926.04 to Wendell Bridges, an individual doing business as the Bray Landscape Service, Champaign, the lowest bidder, for the third phase of the campus tree-planting program in accordance with the plan approved by the Board of Trustees on January 11, 1962, for gradual replacement of trees lost by disease.

This contract is for planting trees on Burrill Avenue between Springfield Avenue and Green Street; on Florida Avenue from the Illinois Central Railroad east to Fourth Street; on the south side of Nevada Street from Goodwin Avenue east to Gregory Place extended; on the east side of Wright Street from University Avenue to Springfield Avenue; along the entrance walks on the east and west sides of the Memorial Stadium between Florida Avenue and Peabody Drive and on the south side of the Stadium.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**EMPLOYMENT OF ENGINEERS**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the following firms on the terms indicated for projects at the Urbana-Champaign campus:

Engineering Service for Air-conditioning University Library — Associated Engineers, Inc., Peoria, Illinois, at a fee of 6 per cent of construction costs of work designed and/or specified by the firm. The work will include preliminary design, working drawings and specifications, analysis of bids, and office and supplemental job supervision for air-conditioning installations in the University Library, excluding the stacks and the new wing (the seventh addition) now under construction. The latter will be air-conditioned as a part of the present construction contract.

Report on Improvements to Water Distribution System — Warren and Van Praag, Inc., Decatur, Illinois, at a cost of actual salaries of personnel employed on the project, plus 100 per cent for overhead and commission, and reimbursement for direct costs such as lodging and subsistence, long-distance telephone calls, and transportation; maximum cost to the University is not to exceed $10,000. The firm will provide the University with: a complete report on the condition of the existing facilities — water mains, connections, and storage; and recommendations and estimates of cost for improvements to the water supply system to provide an adequate reliable supply for the present and proposed expansion programs developed for each biennium, based on capital improvements planned for the next ten years.

Funds are available for these projects in the state capital appropriations to the University from the Universities Building Fund, and have been released.

The recommendations have been approved by the Advisory Committee on the Selection of Architects and Engineers and the Committee on Buildings and Grounds.

I concur.

On motion of Mr. Williamson, these recommendations were approved.
BEQUEST OF IONE FISHER BEEM FOR SCHOLARSHIP IN MEDICINE
(14) The University has received from the executor of the estate of the late Dr. Ione Fisher Beem, a graduate of the College of Medicine, Class of 1913, $10,000 representing in full payment of the following bequest: "I give and bequeath to the Board of Trustees of the University of Illinois, the sum of ten thousand dollars ($10,000) to be used under the direction of the Board for a scholarship fund, the income of which shall provide a scholarship for a woman medical student. The woman medical student shall be selected through the Medical School Faculty."

I recommend that the fund be set up as an endowment to be known as the Ione Fisher Beem Scholarship, the income to be used for award of an annual scholarship to a woman medical student in accordance with the established procedures for awards of scholarships.

On motion of Mr. Swain, this recommendation was approved.

PURCHASES

Purchases Authorized
(15) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Controller. Unless otherwise specified, the purchase was recommended on the basis of the lowest acceptable bid.

These purchases were made from Institutional Funds, which term is used to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of hospital equipment and supplies</td>
<td>Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)</td>
<td>V. Mueller &amp; Co., Chicago</td>
<td>$3,500 00 f.a.s. New York, N.Y.</td>
</tr>
<tr>
<td>One electric sterilizer</td>
<td>Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)</td>
<td>American Sterilizer Co., Chicago</td>
<td>2,602 00 f.a.s. San Francisco, Calif.</td>
</tr>
<tr>
<td>Eighteen radio receiver assemblies, each consisting of two radio receivers mounted on a standard 5-in. relay rack panel with each receiver including a plug-in radio frequency preamplifier-converter, twelve tuned at 25 mc., twelve at 40 mc., and twelve at 50 mc.</td>
<td>Astronomy</td>
<td>The Magnavox Co., Urbana</td>
<td>11,835 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Eighteen additional converter units, six each at 25, 40, and 50 mc.</td>
<td>Assembly Hall</td>
<td>M. H. Equipment, Inc., Peoria</td>
<td>4,909 80 f.o.b. delivered</td>
</tr>
<tr>
<td>Eighteen additional circuit boards</td>
<td>General Chemical Stores</td>
<td>Scientific Products Division, American Hospital Supply Corp., Evanston</td>
<td>78,957 31 f.o.b. delivered</td>
</tr>
</tbody>
</table>

On motion of Mr. Williamson, these purchases were approved.

Purchases Recommended
The Director of Purchases has proposed and the Vice-President and Com-
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UNIVERSITY O F ILLINOIS

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troller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.
The recommendations are presented in two categories : purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds
received by the University under contracts with the United States government,
contracts with private corporations and other organizations, from foundation
grants and grants from corporations and other donors, and University revolving
funds authorized by law.

Purchases from Appropriated Funds
Ilem
Dcpurtmcnl
Vendor
Print and bind 2.700 copies of Biennial
Agricultural
Pantagraph Printing &
R e p a l of Agricultural Experiment
Administration
Stationery Co.,
Slalion. 1960-62. approximately 192
Bloomington
pages per copy, trim size 6 in. by 9 in.
(The final cost may exceed 82.500 deoending on the exact number of pages per copy.)
Complete physiograph with marker.
three channels, mobile cabinet. dual
beam neurophysiograph. electrodes,
and accessories

cosr
$ 2 418 81

f.0.b.
delivered

\ -

Two recorders. two-channel, portable.
dc/coupling, sensitivity 10 mv/mm.
to lOv/mm.; smooth gain adjustment; heat rectilinear recording;
chart speeds 1 mm. per second to 100
mm. per second; frequency response
0 to 125 CPS
One vessel, pressure, 7 ft. long by 2 ft.
diameter, 800 PSI. with quick-opening door for use in the study of pressure treatment of wood
One grinding machine, hydraulic cylindrical, 5 in. by 12 in., small capacity
but very high precision to do precision
external grinding
25,000 chart folders
25.000 prenumbered master cards
1,Mx) unnumbered master cards
One piano. grand, 7 ft. long, ebony
finish, to be delivered to Smith Music
Hall
40,000 tetracycline V capsules, 250 mg..
and 1,000 vials tetracycline i.v., 500
mg.; this product is an antibiotic drug
which is used in the treatment of a
variety of bacterial infections (this
represents a six-month supply)
One building, steel rigid frame type, 4 0
ft. by 60 ft. size, complete with concrete foundation and floor, overhead
and service doors, roof ventilators
and roof light panels, to he constructed a t site south of Physics Research Laboratory
One building, lumber, rigid frame type,
20 ft. by 5 0 ft.. complete with concrete foundation and floor. overhead
door and service door. to be constructed at Veterinary Research
Farm.South Race Street. Urbana

tainers are to be located at the new
Physical Plant Service Building
Special electric motors for Abbott Power
Plant replacements:
One 60 horsepower, 3600 rpm. 440
volt, 3 phase, 60 cycle, drip-proof
with transition base
One 100 horsePOWer 1800 rpm 4000
volt, 3 phase, 60 'cycle. driplproof
with transition base
One 300 horsepower 1200 rpm 4000
volt, 3 phase. 60 'cycle, driiproof
w t h transition base

5 040 00

f.0.b.
Houston,
Texas

Electrical
Engineering

Sanborn Company, c/o
Crossley Associates,
Chicago

Forestry

Nooter Corp..
St. Louis. Mn.

7 270 00
f.0.b.
delivered

Industrial
Education
Division

Bentley Industrial
Corp..
Long Island City, N.Y.

4 975 00

Medical Records,
Chicago

Crown Office Supply Co.,
Chicago

5 673 25
delivered

School of
Music

Peoria Musical
Instrument Co.,
Peoria
The Upjohn Co.,
Chicago

3 300 00
f.0.b.
delivered
6 177 00
delivered

Physics-Betatron

L. E. Devore Co.,
Decatnr

9 586 00

Veterinary
Medicine

Hazen &Franks Builders'
Supply, Inc..
Tolono

2 800 38
f.0.b.
delivered
and
erected

Physical Plant

Coleman and Associates,
Rockford

5 300 00

Physical Plant

General Electric Co..
Springfield

7 320 80

Pharmacy,
Chicago

2 790 00

f.0.b.
Waltham ,
Mass.

f.0.b.
delivered

f.0.b.
delivered
and
erected

f.0.b.
delivered

f.0.b.
delivered


<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear energy liability insurance providing liability coverage up to an annual aggregate of $250,000; excess coverage provided under license granted by the Atomic Energy Commission from $250,000 to $500,000,000.</td>
<td>Nuclear Engineering</td>
<td>The J. S. Frelinghuysen Corp., New York, N.Y., broker for the Nuclear Energy Liability Insurance Association</td>
<td>$4 500 00</td>
</tr>
</tbody>
</table>

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.65 tons diammonium phosphate fertilizer and 21.65 tons granular high analysis phosphate fertilizer for Al- lerton Trust Farms</td>
<td>Agricultural Economics</td>
<td>Tennessee Valley Authority, Wilson Dam, Ala.</td>
<td>4 461 75 f.o.b. Sheffield, Ala.</td>
</tr>
<tr>
<td>One each special harrow, forage plot, hydraulically powered and self-propelled including gasoline engine, battery, and tires</td>
<td>Agronomy</td>
<td>Taylor Brothers Welding, Tamaroa</td>
<td>4 745 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Seven laboratory microscopes, less trade-in of two used microscopes</td>
<td>Anatomy, Chicago</td>
<td>A. S. Aloe Co., Schiller Park</td>
<td>3 898 65 delivered</td>
</tr>
<tr>
<td>Two trucks, 1963 model, 20,000 lb., g.v.w., with 40-inch grain bed and 26-inch fold-down stock rack, less trade-in of one truck, 1955 model, and one truck, 1949 model, both with combination grain and stock beds</td>
<td>Architecture and Art, Chicago</td>
<td>Business Interiors, Inc., Forest Park</td>
<td>4 485 36 delivered and set in place</td>
</tr>
<tr>
<td>One lot of furniture for offices of College of Architecturc and Art consisting of four desks, six chairs, four cabinets, two settees, one magazine table, four lamps, and other office accessories</td>
<td>Botany</td>
<td>American Sterilizer Co., Chicago</td>
<td>3 083 00 f.o.b. delivered</td>
</tr>
<tr>
<td>One sterilizer, laboratory type, steam operated, double wall, size 20 in. by 36 in. for general laboratory use on the sixth floor of Morrill Hall in the Botany Department</td>
<td>Chemistry and Chemical Engineering</td>
<td>Wilkens Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>4 565 80 f.o.b. delivered</td>
</tr>
<tr>
<td>One gas chromatograph with eight collection bottles, one 20 ft. by 3/4 in. column, recorder, and disc integrator, to be used to separate chemical compounds found in the gas phase</td>
<td>General Chemical Stores</td>
<td>Belco Glass, Inc., Vineland, N.J.</td>
<td>5 708 53 f.o.b. delivered</td>
</tr>
<tr>
<td>Six power supply modules with optional heat sinks</td>
<td>Digital Computer Laboratory</td>
<td>N J E Corp., Kenilworth, N.J.</td>
<td>9 780 00 f.o.b. Urbana</td>
</tr>
<tr>
<td>One spectrophoto-fluorometer with optical unit oscillograph, photomultiplier tube, infrared attachment, recorder, polarizing attachment and ten cells for studies on the interaction of fluorescent molecules with proteins and other materials in Food Technology</td>
<td>Food Technology</td>
<td>American Instrument Co., Inc., Silver Spring, Md.</td>
<td>8 897 70 f.o.b. delivered</td>
</tr>
<tr>
<td>One used IBM-526 printing summary punch, model 001</td>
<td>Forestry</td>
<td>International Business Machines Corp., Springfield</td>
<td>3 210 00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
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<td>----------------------------------</td>
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</tr>
<tr>
<td>One lot of laboratory supplies consisting of five 150 case orders</td>
<td>Medical Center Stores,</td>
<td>Scientific Products, Evanston</td>
<td>$20,160.00 delivered</td>
</tr>
<tr>
<td>borosilicate laboratory glassware, 2,200 gross microscope slides,</td>
<td>Chicago</td>
<td></td>
<td></td>
</tr>
<tr>
<td>144 dozen plastic bottles, 270 gross disposable pipets, 36 dozen</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>cover glasses, 111 packages filter paper, 12 pipet jars, 1,000</td>
<td></td>
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</tr>
<tr>
<td>books lens paper, and 72 glass-marking pencils</td>
<td></td>
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</tr>
<tr>
<td>One lot of laboratory equipment supplies, consisting of one</td>
<td>Microbiology, LaPine</td>
<td>LaPine Scientific Co., Chicago</td>
<td>3,418.00 delivered</td>
</tr>
<tr>
<td>refrigerated centrifuge and accessories, 480 rolls of aluminum</td>
<td>Chicago</td>
<td></td>
<td></td>
</tr>
<tr>
<td>foil, and 480 pints of chloroform reagent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One fundus camera and accessories consisting of one magnifying</td>
<td>Ophthalmology, House</td>
<td>House of Vision, Chicago</td>
<td>1,693.90 delivered</td>
</tr>
<tr>
<td>attachment, and one fixation device</td>
<td>Chicago</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Note: This purchase will be made from both Appropriated Funds, $2,025.10, and Institutional Funds, $1,693.90; total, $3,719.00.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One spectrophotometer with micro cell attachment and circulating</td>
<td>Oral Pathology, W. H.</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>6,350.00 delivered</td>
</tr>
<tr>
<td>thermostat</td>
<td>Kessel &amp; Co., Chicago</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accessory equipment consisting of variable temperature probe,</td>
<td>Pharmacy, Varian</td>
<td>Varian Associates, Palo Alto,</td>
<td>2,845.00 f.o.b.</td>
</tr>
<tr>
<td>temperature controller, and low temperature kit to be installed</td>
<td>Chemistry, Palo Alto,</td>
<td>Calif.</td>
<td></td>
</tr>
<tr>
<td>on the nuclear magnetic resonance spectrometer in the Department</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>of Chemistry, College of Pharmacy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One automatic blood cell counter with size distribution plotter</td>
<td>Physiology, Coulter</td>
<td>Coulter Electronics Sales Co.,</td>
<td>6,975.00 delivered</td>
</tr>
<tr>
<td>and hinged camera mount</td>
<td>Chicago</td>
<td>Chicago</td>
<td></td>
</tr>
<tr>
<td>One oscilloscope and accessories, consisting of dual trace</td>
<td>Physiology, Hughes</td>
<td>Hughes Aircraft Co., Vacuum Tube</td>
<td>3,375.00 f.o.b.</td>
</tr>
<tr>
<td>preamplifier, cart, and</td>
<td>Chicago</td>
<td>Products Divison, Oceanside,</td>
<td></td>
</tr>
<tr>
<td>hinged camera mount</td>
<td></td>
<td>Calif.</td>
<td></td>
</tr>
<tr>
<td>Two shipping containers for liquid nitrogen mounted on special</td>
<td>Physics, Burns Machine</td>
<td>Burns Machine Co., Ottawa</td>
<td>12,257.00 f.o.b.</td>
</tr>
<tr>
<td>in-plant trailers, for transfer of liquid nitrogen from central</td>
<td>College</td>
<td></td>
<td></td>
</tr>
<tr>
<td>storage vessel at Physics Building to several laboratories in the</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department of Chemistry and Chemical Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One cesium bromide interchange assembly, range 11-35 microns</td>
<td>Physics, Beckman</td>
<td>Beckman Instruments, Lincolnwood</td>
<td>3,420.00 f.o.b.</td>
</tr>
<tr>
<td>linear wavelength</td>
<td>Instruments,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One cesium iodide thermocouple for use with above interchange</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>These items are accessory attachments for existing Physics</td>
<td>Nuclear equipment</td>
<td>Nucleonic Corp. of America,</td>
<td>2,625.00 delivered</td>
</tr>
<tr>
<td>Department recording spectrophotometer valued at $12,560; they will</td>
<td>consisting of five</td>
<td>Brooklyn, N.Y.</td>
<td></td>
</tr>
<tr>
<td>be used to study the absorption spectra and photoconductivity of</td>
<td>scalers, three multi-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>semiconducting materials such as silicon and germanium</td>
<td>detector mount and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and shield and accessories</td>
<td>and shield</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nuclear equipment consisting of five scalers, three multi-detector</td>
<td>Psychiatry, Packard</td>
<td>Packard Instrument Co., Inc.,</td>
<td>6,295.00 delivered</td>
</tr>
<tr>
<td>mount and shield and accessories</td>
<td>Chicago</td>
<td>La Grange</td>
<td></td>
</tr>
<tr>
<td>One liquid flow spectrometer with continuous flow detector and</td>
<td>Psychiatry, Technicon</td>
<td>Technicon Chromatograph Corp.,</td>
<td>8,566.00 delivered</td>
</tr>
<tr>
<td>and recording ratemeter, to be used to measure radioactivity</td>
<td>Chicago</td>
<td>Chauncey, N.Y.</td>
<td></td>
</tr>
<tr>
<td>One amino acid analyzer</td>
<td>Radiocarbon, Radio-</td>
<td>Radiocarbon Laboratory, Co., Inc.,</td>
<td>7,325.00 f.o.b.</td>
</tr>
<tr>
<td>and recording ratemeter, to be used to measure radioactivity</td>
<td>carbon</td>
<td>La Grange</td>
<td>delivered and</td>
</tr>
<tr>
<td>and one liquid scintilation flow assembly</td>
<td>Laboratory, Graduate</td>
<td></td>
<td>installed</td>
</tr>
<tr>
<td>One spectrometer, semi-automatic, liquid scintillation (non-</td>
<td>Radiocarbon, Applied</td>
<td>Applied Physics Corp., Moarova,</td>
<td>2,920.00 f.o.b.</td>
</tr>
<tr>
<td>refrigerated) counting system with light light optical</td>
<td>Laboratory,</td>
<td>Calif.</td>
<td></td>
</tr>
<tr>
<td>sample changer and automatic load device, and one liquid</td>
<td>Graduate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>scintillation flow assembly for use with above spectrometer</td>
<td>College</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One high-temperature radioactivity analysis system, including a</td>
<td>Radiocarbon,</td>
<td>Applied Physics Corp., Moarova,</td>
<td>2,920.00 f.o.b.</td>
</tr>
<tr>
<td>vibrating reed electrometer, ion-chamber oven and high</td>
<td>Laboratory,</td>
<td>Calif.</td>
<td></td>
</tr>
<tr>
<td>temperature flow chamber</td>
<td>Graduate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One spectrometer, semi-automatic, liquid scintillation (non-</td>
<td>Radiocarbon,</td>
<td>Applied Physics Corp., Moarova,</td>
<td>2,920.00 f.o.b.</td>
</tr>
<tr>
<td>refrigerated) counting system with light light optical</td>
<td>Laboratory,</td>
<td>Calif.</td>
<td></td>
</tr>
<tr>
<td>sample changer and automatic load device, and one liquid</td>
<td>Graduate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>scintillation flow assembly for use with above spectrometer</td>
<td>College</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
<td>---------------------------</td>
<td>----------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>One offset duplicating machine, complete with color-head to permit two-color printing simultaneously, double sheet eliminator, conveyor registration board, and standard accessories</td>
<td>Committee on School Mathematics</td>
<td>Addressograph-Multigraph Corp., Peoria</td>
<td>$4,966.38 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>119 films, miscellaneous color and black and white, 16 mm.</td>
<td>Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>$13,210.00 f.o.b. destination</td>
</tr>
<tr>
<td>Fifty-two films, 16 mm., miscellaneous color and black and white</td>
<td>Visual Aids Service</td>
<td>McGraw-Hill Book Co., Text-Film Division, New York, N.Y.</td>
<td>$5,938.64 f.o.b. delivered</td>
</tr>
<tr>
<td>Forty-nine films, 16 mm., miscellaneous color and black and white</td>
<td>Visual Aids Service</td>
<td>Encyclopaedia Britannica Films, Inc., Wilmette</td>
<td>$6,875.00 f.o.b.</td>
</tr>
<tr>
<td>Print and bind 2,000 copies of Patterns of Good And Evil, by D. W. Gotshalke, approximately 160 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>$2,726.57 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 30,000 copies of Graduate College Catalog, 1963-64, approximately 336 pages, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Wallace Press, Inc., Chicago</td>
<td>$12,182.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 50,000 copies Undergraduate Study, 1963-64, approximately 360 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Wisconsin Cuneo Press, Inc., Chicago</td>
<td>$19,140.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Six soft drink dispensers, with manual valves and casters, to dispense two flavors from each unit</td>
<td>Assembly Hall</td>
<td>Pepsi-Cola Champaign-Urbana Bottling Co., Champaign</td>
<td>$3,979.80 f.o.b. delivered</td>
</tr>
<tr>
<td>One each electronic training assembly units as follows:</td>
<td>Institute of Aviation</td>
<td>Philco Corp., Tech Rep Division, Philadelphia, Pa.</td>
<td>$4,713.10 f.o.b. delivered</td>
</tr>
<tr>
<td>Fundamentals, laboratory circuit analysis, and trouble shooting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage regulator lecture and laboratory circuit analysis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radio and microwave lecture and laboratory circuit analysis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test equipment, synchro lecture demonstration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plus five chasis, three amplifiers, one phase splitter, one gas tube regulator, and one set books for the above</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One electronic counter, eight-digit, 0 to 20 mc, 100 mv rms sensitivity</td>
<td>Institute of Aviation</td>
<td>Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago</td>
<td>$5,966.50 f.o.b. factory</td>
</tr>
<tr>
<td>One frequency converter, 500 mc, plug-in unit for above counter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One oscilloscope, dual trace, 200 kc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One signal generator 450 to 1230 mc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One rf cable assembly</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One video cable assembly</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One millivoltmeter 500 kc to 1 kmc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One aircraft, 1962 model, single engine, four-passenger, complete with navigation and communication radio equipment, less allowance for trade-in of one aircraft, 1935 model, single engine, four passenger, with radio equipment</td>
<td>Institute of Aviation</td>
<td>Walton Aviation, Inc., East Alton</td>
<td>$15,675.05 f.o.b. delivered</td>
</tr>
<tr>
<td>One engine, aircraft, factory remanufactured, complete with standard accessories, less allowance for trade-in of one used aircraft engine</td>
<td>Institute of Aviation</td>
<td>Southwest Airmotive Co., St. Louis, Mo.</td>
<td>$2,635.50 f.o.b. delivered</td>
</tr>
<tr>
<td>Thirty-five tons fertilizer mixture, organic and inorganic, analysis 15-5-5</td>
<td>Physical Plant</td>
<td>Champaign County Seed Co., Champaign</td>
<td>$4,690.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One tractor, 1963, with seven-gang fairway mower units, dual-drive wheels, hydraulic brakes and winglift hydraulic system, less trade-in of 1957 Worthington tractor</td>
<td>Physical Plant</td>
<td>Leon Shur &amp; Sons, Inc., Keokuk, Iowa</td>
<td>$6,374.00 f.o.b. delivered</td>
</tr>
</tbody>
</table>
Three mowers, Toro 76 in. professional five-blade reel mower with semi-pneumatic tires and heavy duty trailing sulky, less trade-in of three 1958 Toro mowers.

Two projectors, 16 mm., arc, sound-motion picture, with amplifier and pedestal case, arc lamp of minimum 1600 lumens output, rectifier, 2 in. lens and shutter.

One magnetic pick-up, installed.

One change-over kit for dual projection operation.

Two lenses, anamorphic, with mounting bracket.

One pump, duplex automatic return line vacuum heating, complete with two three-horsepower electric motors and controls.

One pump, boiler feed, 2¼ in. size, four-stage, centrifugal, complete with horizontally split cast iron casing, cast iron bed plate and flexible coupling; this is a replacement for one of four boiler feed pumps at Abbott Power Plant.

50,000 pounds soft white lead paste (for paint), type c, in 100 pound kegs, with 100 kegs to be delivered in March, May, July, September, and November, 1963.

Two typewriters, automatic, equipped with eight-channel tape-card punch and reader units, with stands, and tape winders.

One auxiliary tape reader.

One auxiliary tape punch.

800 overcoats, used, Air Force regulation type. wool, blue, assorted sizes.

195 case cups, paper, cold drink, various sizes.

Fifteen case cups, paper, hot drink, various sizes.

80,000 sandwich bags, waxed.

Ten boxes spoons, plastic.

Ten boxes forks, plastic.

Ten boxes knives, plastic.

420,000 file folders, letter and legal size, tag manila, medium weight, for both the Urbana campus and the Chicago colleges and divisions; it is estimated that the above quantity is a ten- to twelve-month stock at the Office Supply Storeroom.

Group 1 — 21,050 reams paper, No. 4 sulphite spirit fluid duplicator, white.

Group 2 — 4,386 reams paper, 25 per cent rag bond, watermarked, white; 3,304 reams paper, 50 per cent rag bond, watermarked, white.

Group 3 — 76,640 reams paper, No. 4 sulphite mimeograph bond, white and buff; 540 reams paper, No. 4 sulphite bond, white and colored.

Group 4 — 30,500 reams paper, sulphite offset, white.

Group 5 — 1,660 reams paper, machine coated letterpress enamel book paper, white.

Group 6 — 72 reams paper, sulphite cover paper, antique finish, white and colored.

Group 7 — 126,800 sheets paper, sulphite index white and colored.

On motion of Mr. Williamson, these purchases were authorized.
INVESTMENT REPORT

Report of the Finance Committee

(16) The Finance Committee reported the following changes in investments of trust funds from October 1 through December 31, 1962:

---

**Endowment Pool**

<table>
<thead>
<tr>
<th>Exchange</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 29,000</td>
<td>U. S. Treasury bonds</td>
<td>2 1/2 per cent</td>
</tr>
<tr>
<td>1,000</td>
<td>U. S. Treasury notes</td>
<td>3 1/4</td>
</tr>
<tr>
<td>30,000</td>
<td>U. S. Treasury notes</td>
<td>3 1/2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>64,000</td>
<td>Aluminum Company of America</td>
<td>4 1/4 per cent</td>
</tr>
</tbody>
</table>

**Miller Temporary Endowment**

<table>
<thead>
<tr>
<th>Sale</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 shares</td>
<td>Bethlehem Steel common stock</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>40,000</td>
<td>Federal Land Bank</td>
<td>4 per cent</td>
</tr>
<tr>
<td>34,000</td>
<td>Federal National Mortgage</td>
<td>4 1/2</td>
</tr>
</tbody>
</table>

**University of Andes Agency**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000</td>
<td>U. S. Treasury bonds</td>
<td>2 1/2 per cent</td>
</tr>
</tbody>
</table>

**Report of the Comptroller**

The Comptroller reports the following changes in investments of unexpended plant and current funds, over which he has authority as indicated:

**Current Funds**

**Restricted Group (June 20, 1962)**

<table>
<thead>
<tr>
<th>Sale</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,500,000</td>
<td>U. S. Treasury bills</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>400,000</td>
<td>U. S. Treasury bills</td>
<td>10/15/62</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sale</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1,500,000</td>
<td>U. S. Treasury bills</td>
<td>11/29/62</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>650,000</td>
<td>U. S. Treasury bills</td>
<td>12/13/62</td>
</tr>
<tr>
<td>1,500,000</td>
<td>U. S. Treasury bills</td>
<td>1/3/63</td>
</tr>
<tr>
<td>250,000</td>
<td>U. S. Treasury bills</td>
<td>3/14/63</td>
</tr>
<tr>
<td>400,000</td>
<td>CIT Financial Corporation</td>
<td>7/12/63</td>
</tr>
<tr>
<td>100,000</td>
<td>Sears, Roebuck Acceptance Corporation</td>
<td>7/12/63</td>
</tr>
<tr>
<td>500,000</td>
<td>Commercial Credit Company</td>
<td>5/30/63</td>
</tr>
<tr>
<td>500,000</td>
<td>International Harvester Company</td>
<td>5/30/63</td>
</tr>
</tbody>
</table>

**Construction Funds**

**Assembly Hall (June 23, 1959, and March 17, 1962)**

<table>
<thead>
<tr>
<th>Sale</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>110,000</td>
<td>U. S. Treasury bills</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exchange</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>150,000</td>
<td>U. S. Treasury bonds</td>
<td>2 1/2 per cent</td>
</tr>
<tr>
<td>150,000</td>
<td>U. S. Treasury notes</td>
<td>3 1/4</td>
</tr>
<tr>
<td>300,000</td>
<td>U. S. Treasury certificates</td>
<td>3 1/2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>850,000</td>
<td>U. S. Treasury bills</td>
<td>2/14/63</td>
</tr>
</tbody>
</table>

**Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>$</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>75,000</td>
<td>U. S. Treasury bills</td>
<td>1/17/63</td>
</tr>
<tr>
<td>325,000</td>
<td>U. S. Treasury bills</td>
<td>4/18/63</td>
</tr>
</tbody>
</table>
**Illini Union and Health Center (December 21, 1960)**

<table>
<thead>
<tr>
<th>Sale</th>
<th>$ 160,000 U. S. Treasury bills</th>
<th>11/15/62</th>
<th>$ 159,744.67</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exchange</td>
<td>$ 229,000 U. S. Treasury notes</td>
<td>3 1/4 per cent</td>
<td>11/15/62 for</td>
</tr>
<tr>
<td></td>
<td>229,000 U. S. Treasury certificates</td>
<td>3 1/2</td>
<td>11/15/63</td>
</tr>
<tr>
<td>Purchase</td>
<td>$ 300,000 U. S. Treasury bills</td>
<td>3/14/63</td>
<td>$ 297,538.67</td>
</tr>
<tr>
<td></td>
<td>190,000 U. S. Treasury bills</td>
<td>4/15/63</td>
<td>188,154.47</td>
</tr>
<tr>
<td></td>
<td>200,000 U. S. Treasury bills</td>
<td>12/13/62</td>
<td>199,632.89</td>
</tr>
<tr>
<td></td>
<td>100,000 U. S. Treasury bills</td>
<td>1/15/63</td>
<td>99,648.61</td>
</tr>
</tbody>
</table>

**Illinois Street Residence Halls (October 17, 1962)**

| Purchase | $ 200,000 U. S. Treasury bills | 1/15/63 | $ 199,475.00 |
| 150,000 U. S. Treasury bills | 2/14/63 | 149,241.67 |
| 200,000 U. S. Treasury bills | 3/14/63 | 198,553.33 |
| 250,000 U. S. Treasury bills | 4/15/63 | 247,534.72 |
| 360,000 U. S. Treasury bills | 5/16/63 | 355,554.00 |
| 360,000 U. S. Treasury bills | 6/6/63 | 354,955.50 |
| 350,000 U. S. Treasury bills | 7/15/63 | 344,015.00 |
| 670,000 U. S. Treasury certificates | 3 1/2 per cent | 8/15/63 | 672,721.88 |
| 280,000 U. S. Treasury bills | 10/15/63 | 273,052.89 |
| 720,000 U. S. Treasury notes | 4 1/2 | 11/15/63 | 732,825.00 |
| 590,000 U. S. Treasury bills | 2/15/64 | 590,368.75 |
| 1,040,000 U. S. Treasury notes | 4 3/4 | 5/15/64 | 1,063,725.00 |
| 765,000 U. S. Treasury notes | 3 3/4 | 8/15/64 | 772,410.94 |

**Orchard Downs and SG-2 (June 14, 1960)**

| Purchase | $ 270,000 U. S. Treasury bills | 12/20/62 | $ 269,163.00 |

**Peabody Drive (October 21, 1959)**

| Purchase | $ 35,000 U. S. Treasury bills | 11/15/62 | $ 34,940.68 |
| 25,000 U. S. Treasury bills | 12/13/62 | 24,955.28 |
| 135,000 U. S. Treasury bills | 1/17/63 | 134,345.59 |
| 100,000 U. S. Treasury bills | 2/14/63 | 99,451.67 |

**Pennsylvania Avenue Residence Halls (June 21, 1961)**

| Sale | $ 150,000 U. S. Treasury bills | 10/18/62 | $ 149,822.67 |
| 186,000 U. S. Treasury bonds | 4 per cent | 2/15/72 | 186,552.19 |
| Exchange | $ 116,000 U. S. Treasury notes | 3 3/4 per cent | 11/15/62 and |
| | 70,000 U. S. Treasury notes | 3 3/4 | 11/15/62 for |
| | 186,000 U. S. Treasury bonds | 4 | 2/15/72 |
| Purchase | $ 525,000 U. S. Treasury bills | 12/13/62 | $ 523,163.52 |
| | 140,000 U. S. Treasury bills | 1/15/63 | 139,618.30 |
| | 20,000 U. S. Treasury bills | 1/17/63 | 19,895.47 |
| | 200,000 U. S. Treasury bills | 3/7/63 | 198,671.78 |
| | 175,000 U. S. Treasury bills | 3/14/63 | 173,836.25 |

**Student Services Building (May 17, 1961)**

| Purchase | $ 105,000 U. S. Treasury bills | 11/15/62 | $ 104,795.83 |
| 55,000 U. S. Treasury bills | 12/13/62 | 54,868.00 |
| 120,000 U. S. Treasury bills | 12/20/62 | 119,730.26 |
**Sinking Funds**

Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3,000</td>
<td>U.S. Treasury bonds @ 4% per cent</td>
<td>8/15/72</td>
</tr>
</tbody>
</table>

Housing Revenue Bonds (December 17, 1958; June 23, 1959; October 21, 1959; June 14, 1960; June 21, 1961; May 24, 1962; and October 17, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$111,000</td>
<td>U.S. Treasury bills, 3 1/2% per cent</td>
<td>3/21/63</td>
</tr>
<tr>
<td>$111,000</td>
<td>U.S. Treasury certificates, 3 1/2% per cent</td>
<td>8/15/63</td>
</tr>
<tr>
<td>$110,139.20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Men’s Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5,000</td>
<td>U.S. Treasury bonds @ 3% per cent</td>
<td>2/15/64</td>
</tr>
</tbody>
</table>

Reserve for Additional 1952 Bonds (December 16, 1953)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$18,000</td>
<td>U.S. Treasury bonds, 3 3/4% per cent</td>
<td>11/15/74</td>
</tr>
</tbody>
</table>

Student Services Building (May 17, 1961)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000</td>
<td>U.S. Treasury bills</td>
<td>12/20/62</td>
</tr>
</tbody>
</table>

Women’s Residence Halls of 1956 (September 18, 1956, and February 15, 1961)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$4,000</td>
<td>U.S. Treasury notes, 3 3/4% per cent</td>
<td>8/15/64</td>
</tr>
</tbody>
</table>

On motion of Mr. Swain, this report was received for record.

**QUARTERLY REPORT OF THE COMPTROLLER**

(17) The Comptroller presented his quarterly report to the Board as of December 31, 1962.

This report was received for record, and a copy has been filed with the Secretary of the Board.

**COMPTROLLER’S REPORT OF CONTRACTS**

(18) The Comptroller’s report of contracts executed during the period January 1 to 31, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft Phosphate Research Institute, Inc.</td>
<td>Factors affecting phosphate utilization</td>
<td>$4,000.00</td>
<td>December 28, 1962</td>
</tr>
<tr>
<td>United States Agency for International Development AID-ffe-63</td>
<td>Consolidating facilities of the present college and experiment station at Njala, Sierra Leone</td>
<td>$21,000.00</td>
<td>January 15, 1963</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR 7-63</td>
<td>Comprehensive study of the theory and circuitry of systems with mind-like behavior</td>
<td>$151,498.00</td>
<td>October 1, 1962</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR 101-63</td>
<td>Angular distribution in effusion</td>
<td>$24,771.00</td>
<td>December 1, 1962</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR 177-63</td>
<td>Studies in transistor RC network synthesis</td>
<td>$56,850.00</td>
<td>December 1, 1962</td>
</tr>
<tr>
<td>United States Army DA 31-124 AR(D) 52</td>
<td>Organo-metallic chelate compounds</td>
<td>$37,364.00</td>
<td>November 1, 1962</td>
</tr>
<tr>
<td>United States Army DA 31-124 AR(D) 55</td>
<td>Electrochemistry of fused salts</td>
<td>$19,500.00</td>
<td>December 4, 1962</td>
</tr>
<tr>
<td>Wisconsin Free Library Commission</td>
<td>Survey of library reference resources and facilities in Wisconsin</td>
<td>$14,298.00</td>
<td>January 15, 1963</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$329,281.00</td>
<td></td>
</tr>
</tbody>
</table>

**Leases**

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. I. Case Co.</td>
<td>Rental of farm machinery: one side delivery rake and two implement tires and tubes</td>
<td>$44.65</td>
<td>July 1, 1962</td>
</tr>
</tbody>
</table>
### Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Agency for International Development</td>
<td>Confidential</td>
<td>268 50</td>
<td>November 28, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 29(601) 434</td>
<td>Analysis and design of domes, arches, and shells</td>
<td>7 118 96</td>
<td>December 13, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 29(601) 464</td>
<td>Confidential</td>
<td>8 611 68</td>
<td>November 28, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 29(601) 1185</td>
<td>Confidential</td>
<td>4 332 41</td>
<td>December 5, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 29(601) 2390</td>
<td>Analysis and design of domes, arches, and shells</td>
<td>3 854 00</td>
<td>December 4, 1962</td>
</tr>
<tr>
<td>United States Air Force AF 40(600) 909</td>
<td>Determining pressure in an ultrahigh vacuum chamber</td>
<td>3 577 15</td>
<td>January 3, 1963</td>
</tr>
<tr>
<td>United States Air Force AF 41(657) 359</td>
<td>Cardiovascular effects of refeeding stress following starvation</td>
<td>17 422 00</td>
<td>October 1, 1962</td>
</tr>
<tr>
<td>United States Army DA 49-191-MD-2047</td>
<td>Anti-radiation drugs</td>
<td>1 730 00</td>
<td>December 18, 1962</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-4) 1195</td>
<td>Research in elementary particle physics</td>
<td>730 000 00</td>
<td>November 1, 1962</td>
</tr>
<tr>
<td>United States Navy NBY 37633</td>
<td>Multiple panel reinforced concrete slabs</td>
<td>4 000 00</td>
<td>December 17, 1962</td>
</tr>
<tr>
<td>United States Navy N01359-297</td>
<td>Visual displays for aviation training</td>
<td>1 252 00</td>
<td>December 28, 1962</td>
</tr>
</tbody>
</table>

**Total**

$8 516 94

### Adjustments Made in 1962-63 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry F. Fisher (Plastering)</td>
<td>Twenty-one items: $278.25 deduct to $1,500.00</td>
<td>$2 615 48</td>
</tr>
</tbody>
</table>

This report was received for record.

**COMMITTEE ON INSTITUTIONAL COOPERATION**

Graduate Student Exchange Program and Far Eastern Language Institutes (19) The Committee on Institutional Cooperation (CIC), a group representing eleven major midwestern universities' and formed several years ago by their
The Board of Trustees, to stimulate voluntary cooperation, has inaugurated a plan to encourage graduate students to move freely from one institution to another.

The chief purpose of this plan is to enable a graduate student enrolled in one of the CIC universities to have the advantage, on a short-term basis, of special opportunities (such as laboratory facilities, a library collection, or working with a faculty member who is a highly qualified specialist in a particular field) available at another institution.

Under this graduate student exchange program, students will transfer from one institution to another for one semester (or two quarters). Their participation in the program will be initiated and directed by faculty advisers, approval of graduate deans of both institutions involved will be necessary, and each university will retain full control over the graduate program of its students. A visiting student will be registered at his own university and will pay his fees there. He will be exempt from payment of fees at the institution to which he transfers temporarily.

The central purpose of the graduate student exchange program is to avoid costly duplication of effort and expenditures whenever possible. Such exchanges will be particularly acceptable in areas where the costs of the best is high and duplication would not only be an unnecessary expense to an institution, but might result in inferior programs. It would also be applicable where resources of personnel, equipment, and materials are so limited that concentration offers the best hope for quality.

Each university will determine its own methods in serving as host to CIC scholars.

The exchange program will begin in September, 1963, and will run for a two-year trial period, with the expectation that graduate student exchanges will be more fully developed after that initial period.

Support for CIC operations since 1958 has come chiefly from the Carnegie Corporation of New York, but since July, 1962, the eleven member institutions have provided the basic support for the CIC staff office now located at Purdue University. It may be said that as a voluntary effort by eleven of the largest universities—both public and private—the CIC approach is a pioneer program in providing for free exchange of graduate students.

The Committee on Institutional Cooperation will also offer five rotating Far Eastern Language Institutes, the first of which will be held at the University of Michigan. The College of Liberal Arts and Sciences has recommended that for qualified University of Illinois undergraduate students who participate in the program, the courses taken at other institutions be considered on the same basis as though taken at this University, viz: the courses will count toward the degree at Illinois; they will count as residence credit; for students in Liberal Arts and Sciences, they will count as though taken in the college and not as part of the thirty-two hours of electives a student is permitted to take outside the college. The Committee on Institutional Cooperation has authorized the participation of the University of Illinois in this program as outlined above.

On motion of Mr. Swain, authority was given as requested.

DEGREES CONFERRED IN FEBRUARY, 1963

The Secretary presented for record the degrees conferred as of February 11, 1963, on recommendation of the Urbana-Champaign Senate and by authority of the Board of Trustees.

Summary

Degrees in the Graduate College, conferred at Urbana:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Number</th>
</tr>
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<tbody>
<tr>
<td>Doctor of Philosophy</td>
<td>97</td>
</tr>
<tr>
<td>Doctor of Education</td>
<td>4</td>
</tr>
<tr>
<td>Doctor of Musical Arts</td>
<td>1</td>
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<tr>
<td>Master of Arts</td>
<td>42</td>
</tr>
<tr>
<td>Master of Science</td>
<td>221</td>
</tr>
<tr>
<td>Master of Music</td>
<td>4</td>
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<tr>
<td>Master of Education</td>
<td>52</td>
</tr>
<tr>
<td>Master of Fine Arts</td>
<td>2</td>
</tr>
<tr>
<td>Master of Accounting Science</td>
<td>5</td>
</tr>
</tbody>
</table>
Master of Architecture ................................................................. 3
Master of Commerce ........................................................................ 1
Master of Business Administration ................................................ 1
Master of Television ......................................................................... 1
Advanced Certificate in Education .................................................. 4

Total, Graduate College .................................................................... (438)

Degrees in Law, conferred at Urbana:
Bachelor of Laws .............................................................................. 18

Baccalaureate Degrees, conferred at Urbana:
Bachelor of Science, College of Agriculture .................................. 67
Bachelor of Science, College of Engineering .................................. 286
Bachelor of Arts, College of Liberal Arts and Sciences .................. 123
Bachelor of Science, College of Liberal Arts and Sciences .......... 93
Bachelor of Science, College of Education .................................... 64
Bachelor of Science, College of Commerce and Business Administration 140
Bachelor of Science, College of Journalism and Communications 24
Bachelor of Architecture, College of Fine and Applied Arts .... 35
Bachelor of Fine Arts, College of Fine and Applied Arts ........ 8
Bachelor of Music, College of Fine and Applied Arts ............. 4
Bachelor of Science, College of Fine and Applied Arts ............ 5
Bachelor of Science, College of Physical Education .............. 32

Total, Baccalaureate Degrees ....................................................... (881)
Total, Degrees Conferred at Urbana ............................................. 1,337

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Accountancy
HAROLD EDWARD ARNETT, B.S., M.S., 1955, 1957
DONALD ERVIN KIESO, B.S., Aurora College, 1958; M.A.S., 1960
ALY MAHROUS SHADY, B.Com., University of Ain Shams, 1950; M.S., 1960
MERTYN WALLER WINGFIELD, A.B., College of William and Mary, 1949; M.S.,
University of Richmond, 1957

In Agricultural Economics
ANTHONY MICHAEL GRANO, B.S., M.S., Montana State College, 1957, 1958
DUANE FREDRICK NEUMAN, B.S., University of Nebraska, 1957
WILLIAM ANSEL TOMPKINS, B.S., M.S., 1954, 1959
FORREST EUGENE WALTERS, B.S., Oklahoma State University, 1958; M.S., 1960

In Agronomy
CHARLES SANDFORD LEVINGS III, B.S., M.S., 1953, 1956
RICHARD ALAN PAMPLIN, B.S., University of Akron, 1952; M.S., 1955

In Animal Science
HOWARD JUNIOR BRINKLEY, B.S., West Virginia University, 1958; M.S., 1960
THOMAS BLOSE KING, B.S., M.S., Pennsylvania State University, 1949, 1950

In Astronomy
ROBERT CHARLES ROEDER, B.S., M.S., McMaster University, 1959, 1960
RONALD ANTHONY SCHORN, B.S., Loyola University, 1956; M.S., 1958

In Business
ZAKI MOHAMED FAHMY ABDALLAH EL-ADAWY, Graduate, Ain Shams University,
1953; M.S., 1960
SHERWOOD GEORGE HUNERYAGER, B.S., M.S., 1956, 1958
LESLIE LLOYD DONALD SHAFFER, A.B., University of California, 1935; M.S., 1959

In Chemical Engineering
FREDERICK EDDY FORD, B.S., Carnegie Institute of Technology, 1959; M.S., 1961
DAVID BRUCE KIRBY, B.Ch.E., Clarkson College of Technology, 1958; M.S., 1961
In Chemistry

Marjorie Lucille Arnold, B.S., Bradley University, 1954; M.S., 1960
Donald Bruce Borders, B.S., A.M., Indiana University, 1954, 1958
Charles Gustav Carlson, B.S., University of Alberta, 1958
Lee Mason Champaign, B.S., Marshall College, 1958; M.S., 1960
Raj Kumar Dewan, B.S., M.S., University of Delhi, 1951, 1953
Alan Ford Ellis, B.S., Westminster College (Pennsylvania), 1958
Jaime Eyzaguirre Philippi, Licenciado, Catholic University of Chile, 1958
Raymond Richard Haynes, B.S., M.S., University of Toledo, 1957, 1959
Arun Kumar Khettry, B.S., M.S., University of Calcutta, 1950, 1953
Richard M. Klein, A.B., Williams College, 1959; M.S., 1962
Raymond Longhi, B.S., University of Massachusetts, 1957; A.M., Dartmouth College, 1959
Nicholas Alexander Matwiyoff, B.S., Michigan College of Mining and Technology, 1959; M.S., 1962
Walter Joseph McMurray, A.B., Amherst College, 1958
Harold Wesley Moore, B.S., Colorado State University, 1959; M.S., 1961
George Louis Morgan, B.S., Case Institute of Technology, 1958; M.S., 1960
Robert Joseph Niedzielski, B.S., Aquinas College, 1958; M.S., 1960
Robert Edward Pearson, A.B., Carleton College, 1957; M.S., 1961
Edward Owen Sherman, Jr., B.S., Providence College, 1958; M.S., 1960
Gerald Wayne Stemke, B.S., Illinois State Normal University, 1957
Julia Ming-Jen Tai, B.S., National Taiwan University, 1957; M.S., University of Oklahoma, 1959
Robert Edward Visco, B.S., M.S., University of Wisconsin, 1955, 1957
Andrew Edward Yethon, B.S., University of Alberta, 1958

In Civil Engineering

Robert Harold Anderson, B.S., M.S., 1953, 1956
Stanley Langford Paul, B.S., M.S., 1955, 1956
Ricardo Yamashiro, C.E., National University of Engineering (Peru), 1959; M.S., 1960
Takeshi Yoshihara, B.S., United States Naval Academy, 1953; B.C.E., Rensselaer Polytechnic Institute, 1956; M.S., 1961

In Communications

James William Carey, B.S., University of Rhode Island, 1957; M.S., 1959

In Dairy Science

James Joseph Burchall, B.S., St. John's University, 1954; A.M., Brooklyn College, 1959
George Richard Fritz, Jr., B.S., M.S., Michigan State University, 1954, 1958
Loren Keith Robinson, B.S., M.S., 1941, 1951

In Economics

Byung-Tack Cho, A.B., Seoul National University, 1949; A.M., University of South Carolina, 1957
Jerry Hylton Curnutt, A.B., William Jewell College, 1959; M.S., 1961
Robert Floyd Smith, B.B.A., University of Oklahoma, 1958; M.B.A., University of Arkansas, 1959

In Education

Paul Renz, B.S., A.M., Syracuse University, 1951, 1952
Martin Sylvester Wolfe, B.S., Ed.M., University of Maryland, 1950, 1951; M.S., 1958

In Electrical Engineering

Cameron Wallace Blachford, B.S., University of Saskatchewan, 1953; M.S., 1959
Shu-Park Chan, B.S., Virginia Military Institute, 1955; M.S., 1957
Harley Hunter Doemland, B.S., 1955; M.S., University of Wisconsin, 1960
Deverl Stratford Humphreys, B.S., Brigham Young University, 1955; M.S., University of Utah, 1957
Richard Marvin Joffa, B.S., Colorado State College, 1951; M.S., 1957
MANOHAR LAL, B.S., University of Allahabad, 1955; Diploma, Indian Institute of Science, 1959; M.S., 1961

WILLARD THOMAS PATTON, B.S., M.S., University of Tennessee, 1952, 1958

ROBERT EARL SWARTWOUT, B.S., M.S., Illinois Institute of Technology, 1948, 1950

In English

JAMES C. BALLOWE, A.B., James Millikin University, 1954; A.M., 1956

KATHERYNN FLOYD DOUGLASS, B.S., A.M., Alabama Polytechnic Institute, 1949, 1952

ANNE THERESA DOYLE, A.B., Regis College, 1956; A.M., 1957

WALTER EUGENE EDENS, B.S., A.M., 1948, 1950


JAMES LAWRENCE SCOGGINS, A.B., University of Chattanooga, 1958; A.M., Johns Hopkins University, 1959

ROBERT KARL STONE, Ph.B., A.M., University of Chicago, 1947, 1950

In Entomology

CALVIN FRANKLIN SOO HOO, A.B., University of California, 1957; M.S., 1960

In Food Technology

GREGORY BRUCE CLARKE, B.S., University of Massachusetts, 1959; M.S., 1961

WILLIAM JAY HOOVER, B.S., M.S., 1950, 1954

BRIAN LAWRENCE WALKER, Higher National Certificate, City of Liverpool College of Technology, 1957

In Geology

FRANK RICHARD KARNER, B.S., Wheaton College, 1957

DUAKE MILTON MOORE, B.S., M.S., 1958, 1961

WILLIAM EDWARD WILSON III, A.B., Harvard College, 1956

In German

MIRCO MITROVICH, A.B., A.M., 1955, 1957

In History

DAVID EARL ROBBINS, Jr., A.B., Houghton College, 1947; A.M. (Education), Syracuse University, 1948; A.M. (History), 1952

LESTER NEWTON WILSON, A.B., University of Chicago, 1952; B.S., Roosevelt University, 1953; A.M., 1955

In Horticulture

HARVEY JOSEPH HORTIK, B.S., M.S., 1957, 1959

In Mathematics

HSUE CHONG TUNG, M.S., Oklahoma State University, 1955; M.S., 1959

In Metallurgical Engineering

JAMES RICHARD KERR, B.S., M.S., 1952, 1954

KEVIN MICHAEL MYLES, B.S., M.S., 1956, 1957

In Musicology

IMANUEL WillelM, Diploma, College of Saint Scholastica, 1946; M.Mus., Northwestern University, 1948; A.M., 1956

In Physical Education

EDMUND MICHAEL BERNAUER, B.S., Indiana University, 1950; M.S. (Physical Education), M.S. (Physiology), 1951, 1959

In Physiology

FORREST RAYMOND GOODALL, A.B., Colby College, 1956; M.S., 1960

In Plant Pathology

CHERUVATHUR IYYAKKU CHACKO, B.S., University of Madras, 1949; M.S., Benares Hindu University, 1957

In Political Science

CHARLES EDWIN PATTERSON, JR., A.B., A.M., Emory University, 1957, 1958
In Psychology
LAWRENCE WILLIAM DACHOWSKI, B.S., Illinois Institute of Technology, 1957; A.M., West Virginia University, 1959
KENNETH ARLAN STARK, B.S., 1956

In Spanish

In Speech
JOSEPH WILFRED WENZEL, B.S., 1957; A.M., Northwestern University, 1958

In Theoretical and Applied Mechanics
CHARLES EDWARD FEITNER, B.M.E., North Carolina State College of Agriculture and Engineering, 1958; M.S., 1959
NITYANANDA PATNAIK, B.S., Ravenshaw College, 1949; B.E., University of Poona, 1953; M.S., 1961
PAUL JAY RAUSCH, B.S., M.S., State University of Iowa, 1959, 1960
HOWARD BAGBY WILSON, Jr., B.S., A.M., University of Alabama, 1957, 1959

In Veterinary Medical Science
THOMAS BONNER STEWART, B.S., University of Maryland, 1949; M.S., Alabama Polytechnic Institute, 1953

Degree of Doctor of Education

In Education
RAFAEL HENRY BRAUN, A.B., McKendree College, 1934; A.M., Washington University, 1942
BOYD DEVERE HOLTAN, A.B., St. Olaf College, 1950; A.M., State University of Iowa, 1954
WILLIAM MAX ROGGE, B.S., M.S., University of Wisconsin, 1950, 1951

In Music Education
RUTHANN HARRISON, B.S., M.S., Indiana State Teachers College, 1945, 1946

Degree of Doctor of Musical Arts

Degree of Master of Arts

In Anthropology
JUDITH ANN HELLAWELL, A.B., University College of London, 1961

In Economics
ROBERT GEORGE FABIAN, A.B., University of Notre Dame, 1960
GORDON REDNOUR, A.B., 1961

In English
GRACE REGINA BROWN, A.B., St. Joseph College, 1960
BARBARA ANN ERLANDSON, A.B., Franklin College of Indiana, 1960
MICHAEL SANFORD GREENBAUM, A.B., Johns Hopkins University, 1961
THOMAS DANA HILL, Jr., A.B., Harvard College, 1961
THOMAS ALAN MAIK, A.B., Wartburg College, 1961
J JOHN DENNIS McBRIDE, A.B., John Carroll University, 1959
BARRY DENNIS SUSSMAN, A.B., 1961
JEAN FAGAN YELLIN, A.B., Roosevelt University, 1951

In French
COLEEN MARIE SANFORD, A.B., Washburn Municipal University, 1956
PAUL LAWRENCE THOMPSON, A.B., Morehouse College, 1957

In Geography
KEVIN ROBERT COX, A.B., University of Cambridge, 1961
DANIEL IRA NEIDORF, B.S., East Stroudsburg State College (Pennsylvania), 1961
ROBERT FRED BELL, A.B., 1959
JOHN TERNES, A.B., 1961

**In German**

ROBERT AINSWORTH McDaniel, A.B., 1956
ERKEHARD-TEJA PETER WILKE, A.B., 1962

**In History**

ROBERT AINSWORTH McDaniel, A.B., 1956
ERKEHARD-TEJA PETER WILKE, A.B., 1962

**In Labor and Industrial Relations**

PAUL FREDERICK BECHT, B.S., Wisconsin State College (Stevens Point), 1961
IRWIN SAMUEL Ginsburg, A.B., College of the City of New York, 1959
GERALD HERBERT Grusensky, A.B., Brooklyn College, 1961

**In Linguistics**

RUTA LIGITA KUPCIS, A.B., A.M., 1958, 1961

**In Mathematics**

JOSE ARANETA ALBERT, A.B., Ateneo de Manila, 1961
WILLIAM ANDERSON LABACH, A.B., Transylvania College, 1959
MARCIA Peterson SWARD, A.B., Vassar College, 1961
RAYMOND Tzuu-Yau Yeh, B.S., 1961

**In Philosophy**

YUNG WHA Kim Min, A.B., Mount Holyoke College, 1958

**In Political Science**

WILLIAM JAMES KIRSCH, A.B., Evansville College, 1961
MAX GARRETT MANWARING, B.S. (Economics), B.S. (Political Science), University of Utah, 1959, 1959
JOHN BARKLEY MEANS, A.B., 1960

**In Psychology**

GERALD LOUIS FRINCKE, A.B., San Jose State College, 1960
GERALD ELMER GRUEN, A.B., Southern Illinois University, 1959
CHARLES WILLIAM Perkins, A.B., Indiana Central College, 1954; B.D., United Theological Seminary, 1957

**In Sociology**

HARRY RICHARD John, B.S., 1958

**In Speech**

RICHARD CARL HUSEMAN, A.B., Greenville College, 1961
PETER ANDREW McCABE, A.B., Western Michigan University, 1961
JAMES DONALD RAGSDALE, JR., A.B., Howard College, 1961
RICHARD GORDON Smith, B.S., Purdue University, 1951

**In the Teaching of English**

ROBERT STANLEY Whitman, A.B., Lawrence College, 1956

**In the Teaching of Social Studies**

KENNETH HENRY Geils, A.B., Gettysburg College, 1961
NANCY Tesch Milburn, B.S., Olivet Nazarene College, 1955

**Degree of Master of Science**

**In Accountancy**

DONALD CHARLES Bruegman, B.B.A., University of Cincinnati, 1958
CHARLES Griffin Carpenter, B.S., Elmhurst College, 1961
LIANG-HAN Chen, A.B., Taiwan Normal University, 1957
WILLARD HAROLD Galliart, B.S., State University of Iowa, 1959
HONG-CHAN Li, A.B., National Taiwan University, 1957

**In Advertising**

KEITH FRANCIS Ryan, B.S., 1960
In Aeronautical and Astronautical Engineering
JAMES LLEWELLYN MYERS, JR., Pennsylvania State University, 1960

In Agricultural Economics
MARVIN LEE HAYenga, B.S., 1962
RICHARD PRYCE SNOdGRASS, B.S., 1960

In Agricultural Engineering
DAVID RALPH Massie, B.S., 1961
CHARLES KENNARD SPILLMAN, B.S., 1960

In Architectural Engineering
STEPHEN CHOMA, JR., B.Arch., 1961

In Agricultural Economics
MARVIN LEHHAYEN, B.S., 1962
RICHARD PRYCE SNOdGRASS, B.S., 1960

In Agricultural Engineering
DAVID RALPH Massie, B.S., 1961
CHARLES KENNARD SPILLMAN, B.S., 1960

In Architectural Engineering
STEPHEN CHOMA, JR., B.Arch., 1961

In Biological Sciences
JOHN JOSEPH BELASICH, A.B., Knox College, 1948

In Botany
JUDY ANN ALBLINGER, B.S., 1962

In Ceramic Engineering
ROBERT JETHRO BAKER, JR., B.S., 1960
JAMES FREDERICK BENZEL, B.Cer.E., Georgia Institute of Technology, 1957
EDWARD MARTIN CLAUSEN, B.S., 1961

In Chemical Engineering
KENNETH ROBERT JOLLS, A.B., Duke University, 1958; B.S., North Carolina State
College, 1961
GERALD FREDERICK MALLING, B.S., Northwestern University, 1961
JAMES EMMETT MITCHELL, B.S., West Virginia University, 1961
ANDREW CHRISTIAN PETERSON, JR., B.S., Oregon State University, 1960
DOUGLAS LEROY RELYEA, B.S.E., Princeton University, 1960
DAVID SIDNEY SAND, B.Ch.E., University of Minnesota, 1961
EDWARD JOSEPH SKORPINSKI, B.S., Northwestern University, 1961

In Chemistry
J. W. CARMICHAEL, JR., B.S., Eastern New Mexico University, 1961
JOHN FRANKLIN COLEMAN, B.S., University of Akron, 1961
ROBERT PAUL CORY, A.B., Wabash College, 1961
MARVIN PORTER DIXON, A.B., William Jewell College, 1960
ROBERT DUANE Dyson, A.B., University of Oregon, 1961
EUGENE FREDERICK FRIEDMAN, B.S., A.B., Tulane University, 1961, 1961
ROBERT THOMAS HAVRAN, B.S., Marietta College, 1961
MARTHA CAROLYN HURD, A.B., Colorado State College, 1961
FAN-CHIN LEONG, B.S., Nanyang University, 1960
RICHARD KENNETH OLSEN, A.B., Brigham Young University, 1960
WILLIAM JOHN RANDALL, B.S., Willamette University, 1960
MICHAEL ROSS ROSENTHAL, A.B., Western Reserve University, 1961
SUSAN SWIFT SCHWARTZ, B.S., College of the City of New York, 1960
ROBERT LEE STAMBAUGH, A.B., Wabash College, 1960
CARL WILLIAM VERMEULEN, A.B., Hope College, 1961
GEORGE SPENCER WILSON, A.B., Princeton University, 1961
PATRICIA KAY YOUNG, B.S., North Park College, 1961

In City Planning
EDWIN CARL ADAMS, B.S., Agricultural and Mechanical College of Texas, 1955
ERIC CONRAD FREUND, Professional Associate, Royal Institution of Chartered
Surveyors, 1947
ALLAN HENRY SCHMIDT, A.B., Valparaiso University, 1959

In Civil Engineering
EDWARD JAMES CORDING, B.S., Wheaton College, 1960
SHELDON WHITESIDE DeARDEN, B.Aero.Eng., Polytechnic Institute of Brooklyn,
1957
EWEN STUART FISHER, B.A.Sc., University of Toronto, 1958
NELSON EDWARD FUNSTON, B.S., Kansas State University, 1961
JOHN CLARK GALLOWAY, B.S., Tufts College, 1959
JAMES GLENN GOVAIA, B.S., 1961
ASAF NAZEEF JAFRI, B.Eng., University of Karachi, 1959
CHARLES WALTER LARSEN, B.S., 1961
PHILIP GEORGE LITTLE, B.S., Duke University, 1961
WILLIAM WAYNE MCVINNIE, B.S., 1961
LUIS FERNANDO MEYER CANILLAS, B.S., Texas Technological College, 1961
FATHY ABD-EL ATY MORSY, B.S., Ain Shams University, 1959
JOHN DAVID MOZER, B.S., University of Colorado, 1961
GUILLERMO OCHOA-GOMEZ, C.E., National University of Colombia, 1961
JAMES ROBERT PAYNE, B.S., Drexel Institute of Technology, 1961
JAMES WALTER RONE, B.S., The Citadel, 1961
MAHMoud Tawfik Salem, B.Eng., Cairo University, 1959
EMILE ABDALLAH SAMARA, B.S., 1961
JANE HSIA SHEN, B.S., National Fuh Tan University, 1946
GENE NORMAN SLUTKIN, B.S., 1961
RONALD PHILIP TRIFFO, B.S., University of Manitoba, 1961
SAKOL UWANNO, B.S., Chulalongkorn University, 1961
WILLIAM JOSEPH WESTHOFF, Geophysical Engineer, Colorado School of Mines, 1955

In Dairy Science
ARTHUR CHESTER SINGER, B.S., 1961

In Electrical Engineering
ABD-SALAM FATHY ALY ABDEL-SALAM, B.S., Diploma, Alexandria University, 1957, 1960
THOMAS EDMUND BURNSIDE, B.S., 1961
ROGER CHARLES CONANT, B.S., Purdue University, 1961
EDMUND BURKE DALY, A.B., St. Joseph's College (Indiana), 1961; B.S., 1962
MICHAEL SHAPLAND DAVIES, A.B., University of Cambridge, 1961
WILLIAM HERMAN DELUCA, B.S., 1961
JOHNNIE MYLES DRIVER, B.S., 1961
CLAUDE JOHN DRONG, B.S., 1962
GRAHAM LYMAN DUFF, B.Eng., McGill University, 1961
MARTIN FOURNIER, B.S., Universite Laval, 1961
RONALD CHARLES GARAVALIA, B.S., 1962
RUSSELL DUANE GREINER, B.S., Iowa State University, 1950
HULBERT CHEN-SHIAN HSUAN, B.S., National Taiwan University, 1960
SOLOMON SUO-LUN HUANG, B.S., 1961
SHENG-YH HWANG, B.S., National Taiwan University, 1959
LELAND CHRISTIAN JENSEN, B.S., Oregon State College, 1954
ERWIN ARTHUR JUNG, B.S., 1961
DENNIS S. KARJALA, B.S., Princeton University, 1961
MARVIN LEWIS KRAMER, B.S., George Washington University, 1951
MICHAEL MOLDAVSKY, B.S., Purdue University, 1961
AMITAVA MUSTAPI, B.Eng., University of Calcutta, 1955
JOSEPH NEWTON OWENS, B.S., Agricultural and Mechanical College of Texas, 1961
HUBERT RUSSEL PLUMLEE, B.S., New Mexico State University, 1961
THOMAS EDWARD POSTMA, B.S., Worcester Polytechnic Institute, 1961
ROBERT EDWARD REILLY, B.S., B.S. (Honors), University of St. Andrews, 1960, 1961
ROBERTO HILARION RAFAEL ROLDAN ALVAREZ, B.S., 1961
MICHAEL SCHOFENBERGER, B.S., Carnegie Institute of Technology, 1961
ROBERT ELSWORTH STANFIELD, JR., B.S., New Mexico State University, 1961
ROY STEPHEN SYLER, B.S., 1962
ROBERT CHARLES TRENDLER, B.S., 1962
ROBERT REYNOLDS WILDE, B.S., 1962
LOUIS WOZNIAK, B.S., 1961
EIKICHI YAMASHITA, Graduate, University of Electro-Communications (Japan), 1956
YAO-TUNG YEN, B.S., National Taiwan University, 1959

In Finance
WILLIAM ROGER GERMAN, B.S., University of Missouri, 1960
EDWARD ARTHUR SANDS, B.B.A., City College of New York, 1961

In Food Technology
JOHN JOSEPH IANDOLO, B.S., Loyola University, 1961
FRANK EDWARD WEBER, B.S., Illinois Institute of Technology, 1957

In Geology
CHRISTOPHER PETER MACCLESFIELD HEATH, B.S., University of British Columbia, 1960
JOHN ARTHUR HULSE, B.S., University of London of Science and Technology, 1960
CHARAN POOTHAI, B.S., Chulalongkorn University, 1958
RAKCHAI SRILENAWAT, B.S., Chulalongkorn University, 1955

In Health Education
SUCHART SOMFRAYOON, B.Ed., Chulalongkorn University, 1959

In Home Economics
STELLA YOK SING LAM CHAN, B.S., Madison College, 1959

In Horticulture
ISAAC CRUMBLEY, B.S., Agricultural, Mechanical, and Normal College (Arkansas), 1961

In Journalism
JOHN ALEXANDER HANDLEY, A.B., Stanford University, 1959
WILLIAM MERRITT SHAFFER, A.B., Knox College, 1957

In Library Science
AGARD HYDE BAILEY, JR., A.B., William Penn College, 1951; A.M., State University of Iowa, 1957
BARBARA MARIE BULLOCK, A.B., University of Kansas, 1961
MARY JANE CAMP, A.B., A.M., 1942, 1945
CECILIA HUI-HSIN CHIN, A.B., National Taiwan University, 1961
DAVID OLEN COOPRIDER, A.B., Millikin University, 1958
MARGARET LOUISE CROSSETT, A.B., Wheaton College, 1961
CLIFTON FORREST GILES, JR., A.B., University of Massachusetts, 1960
MARY HELEN HOWARD, A.B., Cornell University, 1953
MAUNG MAUNG, A.B., University of Rangoon, 1957
JOY NOONRAITH, A.B., Diploma, Chulalongkorn University, 1957, 1958
KHIN KHIN OHN, A.B., LL.B., University of Rangoon, 1955, 1958
JAMES HOWARD THOMPSON, A.B., Southwestern at Memphis, 1955; A.M., University of North Carolina, 1957
YOUN-MEI TING, A.B., Taiwan Normal University, 1957

In Management
ALLAN FOLKERT OWEN, A.B., Indiana University, 1954

In Marketing
PETER JOHN DUSKEY, B.S., 1961
BRUCE STEWART JEWELL, B.S., 1959
JERALD JUAN RUCKER, B.B.A., University of Cincinnati, 1957
In Mathematics

WILLIAM WALTER BOYLE, B.S., M.S., Illinois State Normal University, 1951, 1952
YUH-CHING CHEN, B.Ed., Taiwan Normal University, 1953
JAMES ASHLEY DONALDSON, A.B., Lincoln University (Pennsylvania), 1961
RICHARD JEROME GRIECO, B.S., University of New Mexico, 1961
PAUL CLAY HEGGOLD, B.S., St. Louis University, 1957
ROBERT GEORGE LANGE, A.B., North Central College, 1961
LAWSON LOBB, B.S., Rhodes University, 1960
JOHN PENN MAYBERRY, B.S., 1961
MARJORIE ANN MORETZ, B.S., 1961
ROBERT ANDREW NIKELS, B.S., Bradley University, 1961
WILLIAM THEODORE STOUT, Jr., B.S., Southwest Missouri State College, 1961

In Mechanical Engineering

WILLIAM EVERMANN GREENSHIELDS, B.S., 1962
ALBERT FAY HOUCHENS, B.S., Purdue University, 1961
STIG ROBERT KARLBERG, Civilingenjör, Royal Institute of Stockholm, 1961
FRANCIS DAVID NOONAN, B.S., South Dakota State College of Agriculture and Mechanic Arts, 1954
DANIEL WALTER PASNIK, B.S., Walla Walla College, 1959
TUMMALA VENUGOPALA RAO, B.Eng., Andhra University, 1951; M.Tech., Indian Institute of Technology, 1959
SAMEER NAIM SARAF, Diploma, University of Baghdad, 1961
BIPINCHANDRA KAPURCHAND SHAH, B.Eng., University of Poona, 1961
MAHENDRA HIRALAL SHAH, B.Eng., Gujarat University, 1961
WILBERT WAYNE SIESENHOP, B.S., University of Missouri School of Mines and Metallurgy, 1961
SATISH KUMAR WADIWA, B.S., University of Delhi, 1956; B.Tech., Indian Institute of Technology, 1960

In Metallurgical Engineering

KHANDELWAL BHAGWAN DAS, B.S., M.S. (Physics), Osmania University, 1953, 1956; M.S. (Physics), Purdue University, 1961
MICHAEL ANTHONY GEDWILL, Jr., B.S., 1956
FRANCIS XAVIER SPIEGEL, B.S., Loyola College, 1961

In Microbiology

DIANA CATHERINE HALAUS, A.B., Milwaukee-Downer College, 1959
SYDNEY JOAN REEVE, B.S., Cornell University, 1960

In Music Education

CAROL KOEHN HILLMAN, B.S., 1958
ALLEN EUGENE HUNTER, B.S., Quincy College, 1959
JERRY LEE PROFFER, B.S., Southeast Missouri State College, 1958
BEVERLY ANN RASMUSSEN, B.S., Olivet Nazarene College, 1955

In Nuclear Engineering

LAURENCE BERNARD MILLER, B.S., Illinois Institute of Technology, 1961
PABLO JOSÉ RODRIGUEZ, B.S., Kansas State University, 1961

In Physical Education

LINWOOD GERALD BECHTEL, B.S., West Chester State College (Pennsylvania), 1959

In Physics

WILLIAM CARTER BLACK, Jr., A.B., Pomona College, 1961
TOMMY DEAN CLARK, B.S., 1961
MAGNUS GEORGE CRAFORD, A.B., State University of Iowa, 1961
ROBERT WILLIAM DOWNING, B.S., 1961
CHARLES ROBERTS FLETCHER, A.B., Rice University, 1961
ROBERT JERRY FREIBERG, B.S., Rensselaer Polytechnic Institute, 1961
JOHN ARVY GARDNER, Jr., A.B., Rice University, 1961
DANIEL ALBERT GRENNING, B.S., Union College, 1961
Erik Preston Harris, B.Eng.Phys., Cornell University, 1961
Walter Dwight Herrick III, A.B., Amherst College, 1961
Ralph Allan Hewes, B.S., Case Institute of Technology, 1961
Harry Frederick Jordan, A.B., Rice University, 1961
Michael Bruce Levitt, B.S., 1961
Henry Joseph Lubatti, A.B., University of California (Berkeley), 1960
Peter John Melz, B.S., Stanford University, 1961
David Ward Mortara, B.S., Purdue University, 1961
Joanne Elisabeth Pratt, A.B., Smith College, 1961
Francoise Roberte Fernande Proix, Ingenieur, Ecole Superieure de Physique et de Chimie Industrielles, 1961
David Eugene Richardson, B.S., Illinois Wesleyan University, 1957
Gary Wendell Stupian, B.S., Case Institute of Technology, 1961
Karl Dean Swartz, B.S., California Institute of Technology, 1961
Gary George Tibbits, B.S., California Institute of Technology, 1961
John Andrew Todoroff, B.S., California Institute of Technology, 1961
William Peter Trower, A.B., University of California (Berkeley), 1957
Charles Edward Walker, A.B., University of California (Berkeley), 1961

In Physiology
Marshall Gene Elzinga, A.B., Hope College, 1960
Parvin Hashemzadeh Fallah, A.B., Western College, 1960
Raphael Peter Gruener, A.B., University of California (Berkeley), 1961

In Plant Pathology
Richard Edward Ellis, Jr., B.S., Southern Illinois University, 1960
James Lee van Etten, A.B., Carleton College, 1960

In Recreation
Patricia Ann Krenzke, B.S., Valparaiso University, 1961
Donald Joseph White, B.S., 1959

In Sanitary Engineering
Bruce Allen Marsh, B.S., Michigan College of Mining and Technology, 1961
Cherukuri Venkata RAMA Rao, B.Tech., Indian Institute of Technology, 1956
Michael Jakob Suess, B.S., Technion-Israel Institute of Technology, 1957

In Statistics
Muhammad Subhi Abdul-Kadir Abu-Salih, B.S., Diploma, American University of Beirut, 1961, 1961
Edward Peter Nellessen, B.S., 1961

In the Teaching of the Biological Sciences and General Science
Melva Louise Highland Herum, B.S., Iowa State University, 1951
John Jay Trotter, A.B., Colorado College, 1961
Howard Earl Wheat, B.S., 1957

In Theoretical and Applied Mechanics
Charles Anton Bouc, A.B., University of Chicago, 1951; B.S., Illinois Institute of Technology, 1960
Jiun Chen, B.S., National Taiwan University, 1956
Alan Kent Shoemaker, B.S., Purdue University, 1958

In Veterinary Medical Science
Sylvian Joseph Angelo, B.V.Sc., Agra University, 1952
Manohar Narayan Jamdar, B.V.Sc., Bombay Veterinary College, 1945
Raj Krishan Mehta, B.V.Sc., Punjab University, 1953
Harish Lal Shah, B.S., M.S., University of Lucknow, 1952, 1954
In Zoology

James Draper Lazell, Jr., A.B., University of the South, 1961
Linda Marcus Ramseyer, A.B., Mount Holyoke College, 1957

Degree of Master of Music

Alejandra Cumagun Atabuc, B.Mus., University of Santo Tomas, 1951; M.S., 1960
Mark Addison Clehorn, B.Mus., Ithaca College, 1961
Melwyn Martin Libman, A.B., MacMurray College, 1961
Robert Max Newell, B.Mus., Illinois Wesleyan University, 1961

Degree of Master of Education

Jacquelyn Joyce Albright, B.S., Northern Illinois University, 1949
Dora Weisberg Arnow, Ph.B., University of Chicago, 1934
Carla Coffay Ashmore, B.S., Southern Illinois University, 1958
Carol Emley Bass, A.B., B.S., 1956, 1959
Kathryn Mary Koehler Bollock, B.S., Western Illinois University, 1960
Lawrence Boudreau, Jr., B.S., Illinois State Normal University, 1957
Phillip Bruce Boyle, B.S., Illinois State Normal University, 1959
Virginia Garrison Burge, B.S., Culver-Stockton College, 1931
Anna May Clinton, B.S., Illinois State Normal University, 1953
Elaine Helen Cotsirilos, B.S., Northwestern University, 1961
Kenneth Boyd Cottingham, B.S., Millikin University, 1956
Patricia Anne Coulter, B.S., 1951
Edward Anthony Crum, B.S., 1933
Abrienne Engelhardt Dahnce, B.S., 1960
Constance Lee Eubner Donley, A.B., Park College, 1957
Mary Elizabeth Dutland, B.S., 1958
Albert Edward Firebaugh, B.S., Shurtleff College, 1928
William Gaither, Jr., B.S., M.S., 1954, 1955
Carol Jane Osborn Grimm, B.S., 1955
William Edward Haworth, A.B., University of Tulsa, 1956
Mary Gidding Johnson, B.S., South Dakota State College of Agriculture and Mechanic Arts, 1956
Charlotte Nadine Jones, B.S., Illinois State Normal University, 1959
Jean Phyllis Jurisnic, B.S., 1958
Larry Joe Kindle, B.S., 1959
Mary Louise Klattenhoff, B.S., MacMurray College, 1960
Carolyn Marie Konneker, B.S., 1959
Laurence Edwin Laughrin, B.Ed., Illinois State Normal University, 1942
Marcel Wilson Leduc, B.S., Eastern Illinois University, 1960
Ralph Lewis Mcgee, B.S., 1961
Charles Murray Meec, B.S., Eastern Illinois University, 1960
Marjorie Stewart Messman, A.B., Diploma, University of Melbourne, 1935, 1941
Myron Allen Metropol, B.S., Northeastern University, 1960
Ella Barbara Mosimann, A.B., Bluffton College, 1931
John Binder Muhm, A.B., Olivet Nazarene College, 1954
Christy Allen Murphy, B.S., United States Military Academy, 1948
Dorothy Ann Murphy, B.S., Bradley University, 1952
Lyle Eugene Ochsle, B.S., George Williams College, 1951
Leonel Lee Outh, B.S., 1958
Catherine Eleanor Brown Schooley, B.S., 1935
David Ellsworth Spreenle, B.S., Washington University, 1958
Ronald Larry Stagen, B.S., Illinois State Normal University, 1960
Calvin Reed Teel, B.S., Illinois State Normal University, 1948
Phyllis Garvy Voy, B.S., M.S., 1959, 1961
Jack B. Walters, B.S., Northeast Missouri State Teachers College, 1940
Ronald Lee Welling, B.S., 1956
Suzanne Marie Westlund, A.B., Lake Forest College, 1951
Weerayudh Wichiarajote, B.Ed., College of Education (Bangsaen Branch, Thailand), 1960
Eugene Victor Wood, A.B., Valparaiso University, 1953
Marvin Wright, Ph.B., Xavier University, 1947
Adolph Yackel, A.B., Siena College, 1961

Degree of Master of Fine Arts


In Painting and Printmaking

Henry John Heuler, A.B., University of Florida, 1961

Degree of Master of Accounting Science

Rein Gutmann, B.S., 1962
Firman Pantas Asalan Siregar, A.B., Mommensen University, 1959
John Michael Tucker, B.S., 1958
Makoto Yasuda, B.S., Gakushuin University, 1960

Degree of Master of Architecture

Norman Clare Hintz, B.Arch., 1962
Theodore Edward Kloss, B.Arch., 1962
Tsi-Kwong Lan, B.S., Taiwan Provincial Cheng Kung University, 1957

Degree of Master of Television

Roger Allan Derby, B.S., 1961

Degree of Master of Commerce

Paul Wesley Lawton, B.S., Washington University, 1961

Degree of Master of Business Administration

Daniel Richard Vejlenga, B.S., 1961

Advanced Certificate

In Education
Joseph Virgil Bonefeste, A.B., A.M., 1948, 1951
Kenneth Eugene Sibley, B.S., M.S., 1948, 1948
Glenellen Musgrave Woodward, B.S., M.S., 1948, 1953

College of Agriculture

Degree of Bachelor of Science

In Agriculture
JON DEE PROEHL
KEITH DUANE ROMACK
JOHN LEONARD SCHLAFER
DUANE WASNER STRUNK
SHAONANSA NDOTWA SWAI
RICHARD ARThUR TURNER

James Lloyd Vetter
Robert Keith Waltz
Ronald Hubert Wilson
Billy Gene Wiser
Arthur Walter Zabierak

In Dairy Technology

JON DEE PROEHL
KEITH DUANE ROMACK
JOHN LEONARD SCHLAFER
DUANE WASNER STRUNK
SHAONANSA NDOTWA SWAI
RICHARD ARThUR TURNER

Joseph Karl Anniss
Patricia Louise Crater, High Honors

In Floriculture

ROY THOMAS GREGORY JENKINSON

In Floriculture and Ornamental Horticulture

ROBERT JOHN MCElWAIN
PAUL WESLEY MERGENTHALER

Olaf Norman Nesheim
Ralph Lawrence Snodsmith

Larry William Clark

In Food Technology

STANLEY ARThUR ASHMORE, Honors
HARoLD KENT AUSTIN
GUENTER BRUCKMANN
RUDOLPH FRANCES DORNER
DONALD BRYAN FREEMAN
LYNN EVAN GRAY

Michael Jendras
Glenn Douglas Johnson
James Michael Justen
Dale Dewitt Tucker
James Arthur Whittington

Cheryl Potter Baker
JERENEINEZ CHRISTENSEN
ANNA FLORENCE COZZA
RUTH LEHTO ESPENSCHEID
NANCY ANN GOBERT
NANCY MAE INWOOD

Susan Wickham Lockhart, Honors
Judith Ann McGlade
Anna Elizabeth Raubenheimer, Honors
Michiyo Margaret Yoshida

In Forestry

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

In Aeronautical and Astronautical Engineering

EARL JAMES ARCHER, JR.
VAI DOTAS BAIPSYS
WALTER JOHN BARAN
EDWARD GARY BAXTER, High Honors
RICHARD MELVIN BRENT
JAMES NORTON BUCHANAN
ROGER JOSEPH CIESINSKI
LOUIS ALVIN DOCKERY
JACK LAVERNE EDEN
FRED DAN FERNANDES, Highest Honors

James Laverne Hudson
Andrew Klavins, High Honors
Joseph James Krenovsky
Bobby Lee Langley
William Joseph Louskky, High Honors
Charles Gordon McLellan
Steven Don Mitchell
Theodore Julian Trapp, High Honors
Larry Lee Zimmerman

In Agricultural Engineering

STEPHEN DOUGLAS BURDETT
KENNETH RAY DIRKS
DONALD VICTOR FISCHER
ARTHUR EDWARD GREINER

David Joseph Olson
John Leonard Schlafer
David Ray Schmid

In Ceramic Engineering

ALAN KEITH CUTLER
HORACIO DUARTE DE LEMOS
PAUL JAMES ROEBER

Everett Lee Triefenbach
Theodore Andrew Voruz
In Civil Engineering

Robert Langley Almond, Sr.  Ronald Joseph Leyman
Gordon Robert Anderson  Raymond Overholt Linaweaver
Christian Andreasen  Edmund Lewis Long
Mario Asin  Charles Robert Marek
Robert Henry Benton  ARA Minas Melkonian
Nathanial Boyd, Jr.  Douglas Craig Melton
Martin Peter Carlassare  Richard Roy Metcalf
Richard Eugene Carlsohn  Richard Albert Moore
James Herbert Dunphy  Martin Leo Murphy
Albert Donald Fredrickson  Michael David Murphy
John Charles Glennon  Farhad Naghdi
John Edward Goggin  Charles Petrukas
John Michael Goodrick  Norman Ira Roebins
Dennis Charles Gould  Ellis William Sanderson
Wayne Thomas Gruen  Andrew Paul Schaefli
Thomas Joseph Haas  Lewis Bryant Simon
George Morgan Hansen  Jerry Michael Spaulch, Honors
Donovan Lofte Horbiger  Ned Franklin Tyler
Ronald Eugene Heuer, High Honors  Marion Henry Van Der Aa, High Honors
Eilif Holen  Merle Ray Wadsworth
Adrian Walter Hromiak  Richard Roy Whitney
Claude Henry Hurley  Wayne Roy Wolter
Richard Louis Kopecky  John Charles Zander
John Janis Kruse  Glen Allen Zumwalt
Roger LeRoy Kuhlemeyer  Paul William Larsen

In Electrical Engineering

William Pratt Andrews  Donald Max Henderson
Charles Salter Axen  Jack Wallace Hudson
Walter Baronian  Neil Reynald Humphrey
David Lawrence Blanchard  Kenneth Jablinskey
Paul Richard Branch  Vito Stanley Jakstys
Albert George Brejcha  Richard David James
Allan Joel Brockstein, Highest Honors  Milton Joseph Janosky
Gary Sandy Brown  William Floyd Keenan
James Marilyn Brown  Dallas Lee Kent
George Owen Busking  Chong Sung Kim, High Honors
Gerald Wayne Collins, Honors  Robert Charles Knittle
Gabriel Cuervo-Salcedo, Honors  Stanley John Kowalczyk
Darwin Kent Decker  Rolf Ernst Kowalewski
Jerald John Deenner  James Anthony Kraft
Donald Glen Dobson  Walter Duane Krapff
Edward Ronald Dornseif, High Honors  Edmund John Kulikauskas
Chester Herbert Freese  Hans Laping
Donald Lee French  Paul Leonard Larson
Edward Joseph Gimnic, Honors  Amos Wai Fong Lee
Henry Dale Goltz, Jr.  John Allan Lehner
Ronald Melvyn Graff  Norman Howard Leven
Marvin Warren Hacker  Leland Charles Loquist
Charles Jack Hawley  Paul Mackovjak
Anthony Thomas Hayney  Bradley Kent Martin
Henry Harlan Hegener  John Dennis Michel
Roger Dale Helm  Robert Michael Mohr
Lawrence Edward Druffel  Charles Meredith Mullikin
William Karl Dunwoody  Michael Joe Myers
Thomas Trettien Edwards  Donald Lee Oliver
Robert Chambers Ellis  Kenneth Edward Opal
Stephen Harold Eyer  Alfred Algimantas Orentas
Gerald Wayne Collins, Honors  Minaugas Petokas
Chester Herbert Freese  William LeRoy Porter
Donald Lee French  Gary Lynn Post
Edward Joseph Gimnic, Honors  Raymond George Radys
Henry Dale Goltz, Jr.  Donald Lee Oliver
Ronald Melvyn Graff  Kenneth Edward Opal
Marvin Warren Hacker  Alfred Algimantas Orentas
Charles Jack Hawley  Minaugas Petokas
Anthony Thomas Hayney  William LeRoy Porter
Henry Harlan Hegener  Gary Lynn Post
Roger Dale Helm  Raymond George Radys
SYDNEY JAMES REID
WILLIAM ALEXANDER RESCH
ANTHONY LANE RICHARDS, Honors
JAMES WILLIAM RILEY
ARVYDAS KAZYS REMAS, High Honors
HAROLD WAYNE RIXIE
JOHN TED RODELL
HARVEY MARK ROGOSIN
WILLIAM QUENTIN ROOSE
DAN RAY SCHARLACH
HENRY SCHENK
HAROLD LEE SCHILD
FRANK SCHUMANN
LEONARD JOHN SCHULTZ, Honors
VICTOR EDWARD SCHULZE, JR.

In Engineering Mechanics
DENNIS BRUCE CARROLL, Honors
BRIAN ROBERT GAIN, Honors

In Engineering Physics
RICHARD LYLE BREWER
RICHARD JAMES KNOX
PAUL DEAN LEE, Highest Honors
MICHAEL LESNDAK

In General Engineering
BENNIE DOUGLAS BABB, Highest
Honors
HOWARD EDWARD BEYER
GRESHAM THEIS BREBACH, Jr.
ROBERT EUGENE BRUNS
JAMES EDWARD BURGESS
WALTER KENNETH HAHN
JAMES MAYFIELD HENSON, Highest
Honors
JAMES PAUL KLINE

In Industrial Engineering
HAROLD LOYD ANDERSEN
JEROME BURTON COHEN
DONALD ALLEN DUDLE
MICHAEL PAUL DUNN
HAROLD ROBERT FENGER
THOMAS PAUL GIBBONS
GERALD JOY HANNAH, High Honors
JAMES PHILIP LIAUTAUD

In Mechanical Engineering
ADO E. ADAMI
JOHN ROBERT ANTONSON
WILLIAM LOUIS BIELLOW
WILLIAM ZACHERY BLACK III, Honors
MILAN DANIEL BLAHO
RONALD WILLIAM BORKOWSKI
FRED WILLIAM BRUNKE
GEORGE WILLIAM BURGEOYNE
FRANK JAMES CHIAR
STEPHEN COLBURN
LEONARD ALBERT DOJNIK
CHARLES HENRY ERNST
WILLIAM COURTNEY FILES
WILLIAM DONALD FISCHER

EDWARD SESTAK
CHARLES ASHURY SMITH
DAVID MORRISON SMITH
ROGER LEIGH STEVENS
RICHARD CHARLES SUNLIN, JR.
HAPEX ABUL-HUDA TAJI
RAYMOND JOSEPH THORNBROUGH
ANTHONY WAIU, JR.
JOHN MARVIN PUNZAK
RICHARD CHARLES SUNLIN, JR.

In Industrial Engineering
DINCER OLCAY
THOMAS MICHAEL RASINSKI
ALLEN MICHAEL ROSENSTON
ROLAND ROBERT SANDSTROM
HOWARD IVAN SHACHER
DONALD JEROME SHERMAN
RICHARD ARTHUR SIEBERT
STANLEY FREDRICK YUKEVICH, Jr.

In Mechanical Engineering
DONALD EDWARD FRITZ
JAMES JOHN GRAMMAS
BILLIE WAYNE HATCH
ROBERT HMILIO
ROBERT FRANK HURT
GEORGE JOSEPH JJEK
WALTER FRANCIS JOHNSTON
CHARLTON HUDSON JONES, Highest
Honors
EDWARD EINAR JORGENSEN
WILLIAM FRED KOEBERMAN
ROBERT ROMAN KOWALSKI
RONALD HOWARD KRASNITZ
ARTHUR JOHN KUHN
In Metallurgical Engineering

John Woltersperger Davis
Joseph Mortimer Gilkison
Gerald Vernon Jeskey

In Mining Engineering

Robert Frank Alm, Honors
Thomas Edward Finch
Donald Gene Kenneaster

In Liberal Arts and Sciences

Degree of Bachelor of Arts

In Liberal Arts and Sciences

Richard Henry Alston
Lloyd Eugene Ambrosius, Honors in Liberal Arts and Sciences with High Distinction in History
Joyce Claire Anderson
Bonita Louise Anslow
George Barford
Mary Hanson Bertea, Honors in Liberal Arts and Sciences with Distinction in Finance
Ronald Francis Bianchi
Martin Bruce Bresler
Raymond Michael Brod
Lois Ann Weihe Bross
Thomas Jay Burgess
Richard Edward Carr
Giselle Chesrow, Honors in Liberal Arts and Sciences with Distinction in Latin American Studies
Marsha Shavitz Cohen
James Frederick Collins
Elizabeth Ann Crabtree, Honors in Liberal Arts and Sciences
Nancy Ann Culbertson
Leslie Alan Dean
Julia Laker Demmin
Rita Louise DiSimone
Eva Ehrenberg Feldman
Joan Edmonds Ferguson, Honors in Liberal Arts and Sciences with High Distinction in English
Carol Ann Florko
Gere Fraker
Giovanni Grandinetti
Dorothy Irene Grant, Honors in Liberal Arts and Sciences
Phillip Barry Shain
Robert Siegfried Stelzer
Lawrence David Stępenske
Charles Ragan Stone, Honors
Roger Russell Stromsta, Honors
Jerry Cletis Swalley
Thomas Henry Sytko
Ervin Jerry Trapa
Dennis Peter Trumpinski
Joseph Anthony Usiewicz
Sui Kong Van Allen
Lanny Dexter Wells
Eugene Ernest Zavrel

Wayne Thomas Gruen, Honors in Liberal Arts and Sciences
Robert Curtis Hacker
Richard Lewis Hamrick
Judith Ann Hancock
Donald Stanley Hanson
Carol Joyce Harris, Honors in Liberal Arts and Sciences
Paul Brian Hemstreet
Maryjane Lee Hetrick
Donald Joseph Hill
Charles Lewis Hudson
Jane Rae Hughes
Bernardine Wiczer Hurwitz
Rebecca Anne Huss, Honors in Liberal Arts and Sciences with Distinction in German
Richard Lee Hutchinson
Marion Betty Issen
William Ivy Jenkins
Peter Leonhard Johnson
Richard Dale Johnson
James Edward Jonish, Honors in Liberal Arts and Sciences with Distinction in Economics
Shelley Kaplan
Edward Donald Kears
Lois Jean Kramer, Honors in Liberal Arts and Sciences with Highest Distinction in Russian
Tamara Kron, Honors in Liberal Arts and Sciences
Peggy Krueger
George Anthony Ksander, Honors in Liberal Arts and Sciences with Distinction in Psychology
FREDERICK LAWRENCE KURETSKI, Honors in Liberal Arts and Sciences with Distinction in Rhetoric
ELIZABETH RAMOS LIM
RICHARD ALLEN LUCKSINGER
JEANETTE MACINO
WALTER FARRAR MANGEL
IVANNA MARTYNIUK
MICHAEL HAROLD MASSER
SUSAN VIRGINIA MCCOY
DOUGLAS DEAN McDaniel
PETER MELVION
DIANE MARIE MILESKO
SUSAN KAYE MILLER, Honors in Liberal Arts and Sciences
NEKETE JOHN MLADE
GEORGE KEMBLE MONTGOMERY
JURATE NARBUTAS
KATHLEEN MARIE NAUGHTON, Honors in Liberal Arts and Sciences with Distinction in French
Marilyn Joanne Neuman
David Jackson Orr
Patricia Rose Owcarz
Claude Alfred Patten
Michael Benjamin Price
William Charles Purdy, Honors in Liberal Arts and Sciences with Distinction in Political Science
Mary Frances Randolph
Laurence Raymond Richter, Honors in Liberal Arts and Sciences with Highest Distinction in Russian

SUSAN LYNN RISSMAN
CARSON EDDY ROBINSON
DELMER ROGERS, Honors in Liberal Arts and Sciences
ANNELIE GISELA ROSENBERG
NILS FREDERICK SANDESTRÖM
ROBERT ERWIN SIMAK
FRED RONAYNE SPEARS
LARRY DUNCAN SPEARS
FREDERICK BRUNO STANKE
GRANT ARTHUR STRANDBERG
JOAN RETALLACK SWAIN, Honors in Liberal Arts and Sciences with Distinction in Philosophy
THOMAS STEWART SWANSON
JANET MARILYN WALES, Honors in Liberal Arts and Sciences
CARL WALTER WALKER, Honors in Liberal Arts and Sciences with Distinction in History
ELSIE KUNST WALKER, Honors in Liberal Arts and Sciences
ROBERT WILLIAM WARFIELD
DONALD PHILLIP WATANABE
MITCHELL SIMON WEISS, Honors in Liberal Arts and Sciences
MARVIN BRUCE WINKELMANN
GARY MELVIN YOUNG, Honors in Liberal Arts and Sciences
CARL LEONARD ZON, Honors in Liberal Arts and Sciences with Distinction in Political Science

In the Teaching of English

Lucia Anne Bliss
SUSAN THEA GROSSMAN, Honors in Liberal Arts and Sciences
ANN JEAN HALIN
JUDITH LEVIN, Honors in Liberal Arts and Sciences
BARBARA CAROL NELSON

Janet Marie Ratz, Honors in Liberal Arts and Sciences
LORNA JEAN SCHUHR
LINDA KAY SMITH WEIHL
JANE EILEEN YONTZ, Honors in Liberal Arts and Sciences

In the Teaching of French

Andree Pellegrin

In the Teaching of German

Thomas Battaglia

In the Teaching of Social Studies

BARBARA DANIELLE ANDERSON, Honors in Liberal Arts and Sciences
HOWARD MARTIN BERS
NANCY MAE BILLOW, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
AVRUM ISAAC COHEN
NANCY CAROL FRY, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
MARDONNA ANN GRAHN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

MARSHALL MARK JACOBSON, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
JOANNE BRAWAR PEKIN
HARRIETTE MAE REMKEN
JAMES CONRAD TATNALL, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
BARBARA KENNEKE TWEDT, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
Sylvia Ruble Zeiher, Honors in Liberal Arts and Sciences
In the Teaching of Spanish

ALAN GARFINKEL
HELEN HIKAWAY, Honors in Liberal Arts and Sciences

In the Teaching of Speech

GEORGE EDWARD HURD CHARD EILEEN MARY MARKHAM

Degree of Bachelor of Science

In Chemical Engineering

RICHARD ARTHUR ALLEN
ARTHUR DUANE BIELBY
ALFRED WILLIAM CHRISTIANSEN
MINEO FUJI
GARY WALTER GRANZOW
TOM HIATT
JERRY ROBERT JARGON, Honors in Liberal Arts and Sciences
DAVID ROBERT JORDAN
GEORGE LEE
WILLIAM PAUL SCHULTZ

In Chemistry

RONALD ALFRED GREINKE, Honors in Liberal Arts and Sciences
HENRY FRED HENNEKE, Jr., Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
JEROME MCCLICK, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
LEWIS JOHN MONTI
MICHAEL CHARLES MOURNING
MARION HUGH O'LEARY, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
WILLIAM CARL SAXINGER
SYDNEY ALAN SHAIN
STUART ALVIN STEINBERG, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
GEORGE EDGAR TRIPP

In Liberal Arts and Sciences

JOYCE EDNA ADAMS
PAUL DONALD BECK
FRED ERICH BSRH
JEANETTE MARGARET BOAM
KAREN LEE BUCKLES
THOMAS NOBLE COPER, Jr.
STUART LYKE COHEN
PHILLIP JOSEPH CUDIA
BIRUTE MARIA DICKINNAGITIS
MLADEN DJURICICH
SHIRLEY ANN DOUGLAS, Honors in Liberal Arts and Sciences
WALLACE BURTON DUNN
ROBERT COLVIN EGGLESTON
ROBERT EARL GAINES, Honors in Liberal Arts and Sciences
SHARON LYNN GINSBURG, Honors in Liberal Arts and Sciences
COYD DAZE GRACE
RONALD DEAN GRANT
JOYCE HELMKAHPP HARRIS
JOAN HEMPEL
DANIEL JAMES HENNESSY
ROBERT SEIICHI HIKIIDA
WILLIAM LYNN HOLMES
HARLAN PAUL JOHNSON
JUDITH ANN JOHNSON
FRED KENNETH KONRAD
PHILIP JAMES LANDS
LORENE PAITIE LANE, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics
DIANA GAY LEAF
DAVID L. LEVIN, Honors in Liberal Arts and Sciences
RICHARD CYRUS LEWIS
ANDREA LIEBERMAN, Honors in Liberal Arts and Sciences
THEODORE EUGENE LIND
LINDA FRANCIA LYONS
JAMES VINCENT MCGUNNIGAL
LEILA ANN MICHAL
MAROLYN SUE MILLER, Honors in Liberal Arts and Sciences
KENNETH LEE MODESITT, Honors in Liberal Arts and Sciences
ALFRED BING MOY
MARY JANE BURNHAM NEIBEL, Honors in Liberal Arts and Sciences
MARK OBERLANDER
MARY VICTORIA ORLANDINI
DOROTHY IRENE PAYNE
PERCY HORACE PETERSON
JERRY MARVIN PORZEMSKY, Honors in Liberal Arts and Sciences
GREGORY JAMES POZOVICH
JOSEPH HENRY PRUITZ, Jr.
RUSSELL MARTIN REID
MARIE ROSE KUSZIKA
CAROLINE SUSAN SERVEN
LEON GERALD SIEMERCI
JOHN DAVID SIMS
JAMES MICHAEL STEWART
WILLIAM ANTHONY STORZ
In Physics

Kenneth Avicola, Honors in Liberal Arts and Sciences
Loren Dale Felts, Honors in Liberal Arts and Sciences

In the Teaching of the Biological Sciences and General Science

Sandra Jane Brown, Honors in Liberal Arts and Sciences
Iris Dale Charvat, Honors in Liberal Arts and Sciences
LeRoy William Hasselbring, Honors in Liberal Arts and Sciences

In the Teaching of Chemistry

Francis George Cardulla, Honors in Liberal Arts and Sciences

In the Teaching of Mathematics

Shirley Esta Adams
Rosemary Thomas Farmer
Janet Louise Palmer, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

COLLEGE OF LAW

Degree of Bachelor of Laws

William Victor Altenberger, B.S., 1957
Norman Yale Blaz, A.B., 1960
Donald Joseph Casper, B.S., Lewis College of Science and Technology, 1959
Susan Ryppstat Gende, A.B., 1959
Charles Norman Goldstein, A.B., 1960
William Leonard Hulse, B.S., Illinois State Normal University, 1960

Harold Leonard Jensen, B.S., 1955
John Gordon Johnson, B.S., 1960
Robert James Lenz, A.B., 1959
Richard Allen Makaraki, A.B., 1960
H. Ivan Sadler, B.S., 1939
Ruth Josephine Smilgis, B.S., 1961
Arthur William Sprague
Timothy Whitzel Swain II, A.B., 1961
James Edward Sykes, Ph.B., Northwestern University, 1960
Charles Robert Thomas, A.B., 1959
Howard Hyman Walker, B.S., 1961

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

Kathleen Ann Denst
Marie Louise Fahlng
Paul Edward Halac
Ralph William Iovinelli
Saim Kaptan
Leanne Bauman Kerchner, Honors
Gail Ann Knickerbocker
Joachim Adolf Lauer
Paul Linas

Merle Edward Lype
Jay Anderson Mitchell
John Andrew Mraz
Carl James Scafidi
Pauline Sheila Solomon
Frederick George Tropp
Susan Seymour Weingarten
Donna Lou Wene, Honors
Katherine Burke Winterbauer

In the Education of the Deaf

Karen Irene Deen
In Elementary Education

PATRICIA MAY ALLEN, High Honors
KATHERINE FAYE ANDERT
HERMINE GLORIA ANDROW
BARBARA LEE ARKINGTON
HARRIET MURPHY BECKER
VIVIAN INEZ BROSTOFF
JOAN MARIE CHRISTOPHER
CYNTHIA LISANN COHENOUR
MARY ELLEN CRONIN
JUDITH HASKINS DURAN, High Honors
MYRNA MILLMAN EFURRUSY
BONNIE EDYNE GARTNER
MERLE DEE GOLDBERG
JUDITH MARCIA GREEN
SARA PARKER HAFERKAMP
MARTHA HAYES LABISKY
JANET ELISABETH LEVINSON, High Honors
DIANNE DENISE LEWIS
JOAN WHITNEY LISTON, High Honors

Sylvia Cline McKinnon
Rona Gail Miller
Karen Pickett Randolph, Honors
Mary Jo Richter
Joyce Lynn Robinson
Janice Sharon Rosen
Thelma Bess RuVinsky
Patricia Rutter Setchell
Barbara Joy Smith
Sandra Jose Stallman, Honors
Cheryl Bordwell Strohbehn
Hester Nelson Suggs
Marjorie Ann Sullins
Helene Sandra Suvetor, High Honors
Marcia Kay Turley
Mary Jo Trader Tuttle
Barbara Harriet Volk
Lynne Alyne Vrankin, High Honors

In Industrial Education

REROY BROWNLEE
JAMES WALLACE EDWARDS
WILLIAM THEODORE INGRAM
JOSEPH GEORGE KAZDA

Harvey Steen Munter
Marvin Barry Rubuck
Richard Earl Schroeder
Warren Noboru Suzuki

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

RONALD MAIER APPERSON
CONNIE LAVERN ASHBURN
LEWIN BOBEN, Honors
KENNETH EDWARD BRADY
BERNARD JOHN BUSHMAN
HOWARD STUART CHAPMAN, Honors
JOHN HENRY CROLL
MICHAEL JOSEPH CUMBER
WILLARD JUNLAKE DEFIILIPPS, Honors
STEPHEN NORMAN ENGBERG
SHELDON DAVID ENGEL, Honors
DWAYNE EDWIN ENNIS
JOHN ALLEN FREDERICK
DAVID ANDREW GUTCH
ROBERT GERARD GRIMLEY, Honors
CLAYTON MAXWELL HAIFERKAMP
WILLIAM JOSEPH HERZING
PHILIP LEWIS HINZE
NORMAN LOUIS ISRAEL
IRWIN MARSHALL JAVINSKY
JACK DEAN JELINEK
WILLIAM BRIGHT JOHNSON
EDWARD FRANCIS KELLY

ROGER ALAN KUHN
SHERWOOD LAWRENCE LEVIN
DAVID RANDOLPH LOAR
WILLIAM GENE LUKAS
GAVIN ALEXANDER MAC MURDO
DAVID AARON MASON, High Honors
ROBERT LEE MACADAMS
JAMES BERT McGUIRE
JAMES GEORGE MERRET, JR.
ROBERT LOUIS METZLER
WILLIAM JOSEPH NIX
WILLIAM THOMAS NOWAKOWSKI
JOHN STUART O'DEN
STANLEY HOWARD PANTOWICH
RONALD KALPH PICKING
KENNETH IRWIN SCHANER
KENNETH JAMES SCHLORFF
GARY JAY SCHWARTZ
WILLIAM LARRY SHELBY
DAVID M. SIDELL
SHELLEY IRA SIMON
BRUCE D. SOLBERG

In Commerce and Law

HARVEY BERT BASS
LYNN BROOKS CRUM

Leonard Peirce

In Commercial Teaching

GERI HARNISH, Honors
JAMES PETER LEVY

DONNA MARDELL ZIEGLER, Honors
UNIVERSITY OF ILLINOIS

In Economics
Milton Cloud, Honors
Donald Theodore Crumbback
Robert Montrose Flint, Jr.
John Jacob Horin
Keith Herbert Johnson
Paulette Joan Kaminiski
Wayne Stone Knight
Chester Andrew Lawrence
Richard Allan Rifas
Gerald John Swanson
Thomas Garland Thompson

In Economics and Marketing
John Bernard Joyce

In Finance
Robert Thomas Boling, Honors
Roger Paul DeVries
Robert Charles Jerelian
Richard James Krakora
John Thomas Lester, Honors
Gary Ray Lichtenwalter, Honors
Leonard Litberg
Mary Kathryn Marshall, Honors
David Fred Marvin
Lawrence Van Newlin
Edwin Burnley Powell III
Lydia Schustek Rutkowski
Michael John Sheahan
Barney Upton
Dennis William Van Duyne

In Industrial Administration
Mark Blanchard
Melvin Charles Brent
Jerry Lee Eberhardt
James Russell Gardner
Siegmur Fred Greschi
Ronald Keith Grimm
Charles Parker Henness
Jarvis Blair Johnson
Leonardo Kaufman
David George Lohman
Fred Ellis Meyers
Leo Michael Sterkowicz
Frank William Sulhoff
Robert Joseph Tushaus
Anthony John Vacca
Cornelius Robert Wiersema

In Management
Robert William Abraham
William Roy Apperson
Stephen Stoddard Buckley
Carmine Corsutti
John Arthur Finical
Raymond F. Fortin
Richard Jestes Isaacs
John Wesley Kott
Lynne Sharon Krawitz, Honors
William Franklin Lewis
James Rae McClintock
David Chytham McKee
John Joseph Petterchak
Lenard Charles Swanson
Ronald Raymond Zeinher

In Marketing
Howard David Anderson
Larry Lee Austermiller
John Robert Blair
Lawrence Bert Bloom
James John Brown
Alan Claypool Caldwell
Paul Thomas Clayrey
George Theodore Demeris, Jr
Stephen Carter Engel
Phil Emroy Gerian, Jr.
David Kent Hamrick
Philip Leroy Hupfer
Kenneth James Kapps
Mary Karen Kassube
Robert Krakoski
George Ronald Lena
Robert Edwin Mountz III
Gerald Richard O'Bryan
Edward Joseph Pietrzys
Michael Sherwin Ratner
John Marshall Robards
Robert Brian Scadron
Rein Frederick Schumann
Walter Sidorewicz
Charles Fred Stayart

In Secretarial Training
Sur Diane Burklund, Honors
Marjorie Ann Dodd, Honors

In Urban Land Economics
Brian Albert Bertha
John Michael Blakley
Jerome Anthony Modzelewski
William James Nelson
College of Journalism and Communications

Degree of Bachelor of Science

In Communications

Robert Benjamin
David Richard Carlson
Barbara Ann Clark
Irene Sue Dvore
James Charles Farley
Ellen Joyce Filurin
Ann Lee Forrest
John Philip Fortner
Ronald Eugene Fox
Alan Howard Gersten
Maynard Hirsh Kaplan
James Anthony Klosowski

Philip Eugene Lambdin
Kirk Maslin
Duane McGoon
Donald Edward Nesbitt
Dennis Kent Novak
Bradley Beran Palmer
Sharon Primack, High Honors
Grace Cecelia Rickman
Michael Joseph Riley
Linda Joan Sandwick
Stanley Lewis Wheat
Peter Carl Wittenberg

College of Fine and Applied Arts

Degree of Bachelor of Architecture

Mikio Akagi
Ronald Kent Beyer, High Honors
Charles Gerald Bischoff
Walter Edwin Bliss
Robert William Bokenkamp
James Braun Clarage
Bruce Ray Dammann
Richard Arthur Devine
Robert Stanley Engle
Vytautas Eduardas Girdvainis
Edward Aloysius Grochowiak
Robert Henry Hall
Ronald Nelson Helms
John Owen Higgins
Charles Burton Hook, High Honors
Albert Roy Hunt
Lee Christian Jensen
Hans Claus Kosel

Christopher Alan Moyer
Wesley Walter Nelson
Andrew Lee Nordyke
Charles Maris Oldham
Richard Thomas Ray
Jonathon Gerald Rehnberg
Arnold Charles Reznik
Tom Richard Ruppert
Nick George Scarlatis
James Edward Simon
James Allen Small
Narimantas Jurgis Statkus, Honors
David Fredrick Tiedt
Raymond William Urick

Degree of Bachelor of Fine Arts

In Advertising Design

Robert Frank Izard
Jerome Thomas Taverna

In the History of Art

Suzanne Ringler

In Industrial Design

Robert William Becker

In Painting

Albert Roy Hunt
Lee Christian Jensen
Hans Claus Kosel

Wesley Murray Witt, High Honors
Joe Woo, Jr.

Degree of Bachelor of Science

In Music Education

Lyndel Loren Davis, Honors
Karen Crane Goggin
Donna Dale Lambird, Highest Honors

William John McNeiland, Highest Honors
Franklin Lloyd Post

Degree of Bachelor of Fine Arts

In Advertising Design

Robert Frank Izard
Rollin James Wilson

In the History of Art

Suzanne Ringler

In Industrial Design

Robert William Becker

Ned Robert Kuypers, Highest Honors

In Painting

Barbara Ann Efting, Honors
Sandra Lee Willard

Degree of Bachelor of Music

Virginia Elizabeth Hommel, Highest Honors
Rudolph Ronald Matas

Kim Robert Richmond, High Honors
Thomas Valentine Siwe
COLLEGE OF PHYSICAL EDUCATION

Degree of Bachelor of Science

In Health Education

ROBERT JOSEPH GRECO

In Physical Education

EDWARD ANDREW BOZEK
KENNETH GEORGE BRONSON
BRUCE SAMUEL CACCIAPAGLIA
EUGENE ANTHONY DEGRAZIA, HONORS
MIRIAM ADRIENNE DONATH-SKJORTEN
JAMES PAUL ELLINGER, HONORS
HAYWARD PHILIP GARRETT, HONORS
RALPH DONALD HEGENER
RONALD VICTOR JOHNSON
EDWARD ROBERT KEIN
FRANK VITO LOLLINO
JAYNE ALYCE MEYER, HONORS
BRUCE ALDEN MILLER
MAX GILBERT MITCHELL

JOHN MICHAEL MODICA, HONORS
ROBERT JOHN MORS, JR.
FRANCIS MICHAEL MUSIL, HONORS
ALLEN ROBERT NATELSKY
FORREST THOMAS NEILSON
RICHARD STEVEN PALOW
JOHN RONALD RICHARDS
DENNIS STANLEY ROSEN, HONORS
RICHARD LOREN SCOVILLE
MYRNA STEIN, HONORS
LAWRENCE DAVID TICKNER
BEVERLY KAMPE TIEZZI, HONORS
CHARLES BENJAMIN YOUNGER III,
HONORS

In Recreation

WILLIAM BLAINE ADAMS, JR.
MICHAEL SYLVESTER POPE

WALTER THOMAS STANCY
JAMES LYNN WALKER

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations, declinations, and terminations; leaves of absence; cancellations of sabbatical leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ALEXANDROU, N. E., Research Associate in Chemistry, seven months from February 1, 1963, $6,000 a year (1-29-63).
ALEXOFILOUS, GEORGE G., Instructor in Physics (Chicago Undergraduate Division), ½ time, five months from February 1, 1963, $1,200 (1-3-63).
APPLEEE, ROGER K., Research Associate in English, and Associate Director of Cooperative Research Project No. 1994, Department of English, seven months from February 1, 1963, $10,500 a year (1-28-63).
ARNOLD, ROGER T., Instructor in Ceramic Engineering (C), February 1-June 15, 1963, $3,375 (1-30-63).
ATKIN, J. MYRON, Professor of Elementary Education, June 17-August 23, 1963, $3,195; this is in addition to his present appointment (2-1-63).
BAHIK, PAUL P., Catalog Assistant in the Library, February 18-August 31, 1963, $5,700 a year (1-9-63).
BAICON, ALFONS R., Clinical Assistant Professor, Emeritus, in the Department of Obstetrics and Gynecology, in the College of Medicine.
BARENBERG, J., Research Associate in Civil Engineering (C and S), February 1-June 15, 1963, $3,300, supersedes (1-30-63).
BARTLETT, JAMES H., Professor of Physics (C), two months from June 16, 1963, $1,166.67 a month; this is in addition to his present appointment (2-1-63).
BARTRAM, HARLAN G. H., Assistant Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, $1,955.54 for the period, supersedes previous Summer Session (2-2-63).
BEAMAN, DONALD R., Assistant in Metallurgical Engineering (C), ½ time, February 1-June 15, 1963, $244.44 a month (1-23-63), and Research Assistant in Physics (C), ½ time, one year from September 1, 1962, $213.92 a month, supersedes (6-18-62).
BERNSTEIN, LENORE J., Research Assistant in Administration (Dentistry), seven months from February 1, 1963, $5,400 a year (2-4-63).


BULLOCK, BARBARA, Assistant Reference Librarian, with rank of Assistant, January 28-August 31, 1963, $5,500 a year (1-4-63).

CAMP, MARY J., Acquisitions Assistant in the Library, seven months from February 1, 1963, $5,600 a year, supersedes (2-9-63).

CAREY, JAMES W., Assistant Professor of Journalism, to render service during the second semester of the academic year, March 1-August 31, 1963, $8,400 a year, superseded (2-1-63).


CARNES, WALTER R., Lecturer in Theoretical and Applied Mechanics (C), 1/2 time, to render service during the second semester of the academic year, March 1-August 31, 1963, $2,700 a year, superseded (2-1-63).

CASAS, RAMON E., Clinical Instructor in Medicine (Medicine), eight months from January 1, 1963, without salary (1-29-63).

CLARK, MRS. VALMAI R., Catalog Assistant in the Library, seven months from February 1, 1963, $5,500 a year (1-16-63).

CRAMPTON, MRS. GERTRUDE J., Instructor in Medical Social Work (Medicine), January 7-August 31, 1963, $6,700 a year (1-19-63).

CRANDALL, CORYL, Assistant in English, February 1-June 15, 1963, $466.67 a month (1-29-63).

CRAWFORD, JAMES E., Consultant to the Committee on International Center Program, $616.67 a month, January 1-February 2, 1963, and April 3-May 31, 1963; Secretary and Administrative Assistant in International Programs, $675 a month, February 3-April 2, 1963; and Supervisor of Counseling and Operations in the Men's Residence Halls, beginning June 1, 1963, $7,400 a year (1-30-63).

CROSSETT, MARGARET L., Acquisitions Assistant in the Library, seven months from February 1, 1963, $5,500 a year (1-29-63).

CURRILLIL, BRIAN J., Research Associate in the Small Homes Council-Building Research Council, two months from December 16, 1962, $1,000 a month (1-2-63).

DACH, EUGENE W., Instructor in Psychiatry (Medicine), one year from September 1, 1962, without salary (1-7-63).

DEDMON, ROBERT E., Instructor in Medicine and in Microbiology (Medicine), five months from February 1, 1963, without salary, superseded previous nonsalaried appointment (2-4-63).

DE WAn, EDMUND, Assistant in Education (University High School), January 7-June 15, 1963, $477.78 a month, supersedes (1-16-63).

DIEKEY, ROBERT C., Administrative Assistant in Commerce Administration, College of Commerce and Business Administration, eight months from January 1, 1963, $9,800 a year, superseded (1-24-63).

DODD, GEORGE G., Research Associate in the Coordinated Science Laboratory and in Electrical Engineering (C), 1/4 time, to render service during the second semester of the academic year, March 1-August 31, 1963, $3,350 a year, superseded (1-29-63).

ESTIN, ROBERT W., Lecturer in Physics (Chicago Undergraduate Division), to render service during the second semester of the academic year, February 1-July 31, 1963, $4,000 (1-23-63).

FALKOV, MRS. CELIA H. J., Assistant in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (1-15-63).

FARA, HARRY, Instructor in Petroleum Engineering (C), 1/4 time, February 1-July 15, 1963, $550 a month, supersedes (1-29-63).

FARRIS, ROBERT E., Research Associate in Ceramic Engineering (C), full time, April 1-May 31, 1963, $666.66 a month; and 1/4 time, June 1-August 31, 1963, $500 a month (2-6-63).

FASS, MARTIN, Research Associate in Motion Picture Services (College of Journalism and Communications), January 2-August 31, 1963, $7,000 a year (1-15-63).

FELDMAN, SHELDON, Research Associate in Psychology, 1/4 time, February 1-June 15, 1963, $240.74 a month, and in the Institute of Communications Research, 1/4 time, February 1-June 30, 1963, $81.48 a month, superseded (1-19-63).
GARDNER, KARL E., Chief of Party (College Administrator) of Survey Team going to Sierra Leone, for the Office of International Programs, $3,154 for the period February 3-April 3, 1963; and from April 3, 1963, Professor of Nutrition (Dairy Science) and Associate Dean of the College of Agriculture, $17,200 a year (1-30-63).

GLEN, DONALD L., Instructor in Surgery (Medicine), 95/100 time, January 7-August 31, 1963, $4,680 (1-29-63).

HARDIN, JACK, Research Assistant in Civil Engineering (S), February 1-June 15, 1963, $488.89 a month, supersedes (1-29-63).

HARSHBARGER, KENNETH E., Professor of Nutrition (Dairy Science) and Associate Head of the Department of Dairy Science (C and S), indefinite tenure from February 1, 1963, $12,400 a year, supersedes (2-1-63).

HEINS, ROBERT W., Instructor in Mining Engineering (C), February 1-June 15, 1963, $666.66 a month (1-30-63).

HOLMES, ALBERT W., Jr., Instructor in Medicine and in Microbiology (Medicine), five months from February 1, 1963, without salary, supersedes previous nonsalaried appointment (2-4-63).

HOPKINS, CHARLES A., Assistant in Neurology and Neurological Surgery (Medicine), one year from January 1, 1963, without salary (2-4-63).

HOWARD, MARY H., Catalog Assistant in the Library, seven months from February 1, 1963, $3,500 a year (1-30-63).

HUTCHINSON, DAVID, Research Assistant in the Digital Computer Laboratory, February 1-June 15, 1963, $2,925 (2-5-63).

JANE, JOHN A., Assistant in Neurology and Neurological Surgery (Medicine), one year from January 1, 1963, without salary (2-4-63).

JENSEN, LLOYD, Assistant Professor of Political Science, to render service during the second semester of the academic year, March 1-August 31, 1963, $6,500 a year, supersedes (1-19-63).

KARNES, M. RAY, Education Member of Sierra Leone Survey Team (Trainer of Rural School Teachers), going to Sierra Leone for the Office of International Programs, $3,116 for the period February 3-April 3, 1963; and beginning April 3, 1963, Professor of Education, in the Bureau of Educational Research, $17,000 a year (1-30-63).

KAVANAGH, JEAN, Research Assistant in Psychiatry (Medicine), December 24, 1962-August 31, 1963, $4,980 a year (1-7-63).

KISTNER, ARTHUR L., Instructor in English, to render service during the second semester of the academic year, March 1-August 31, 1963, $6,000 a year, supersedes (1-30-63).

KLATT, MELVIN J., Instructor in Library Administration and Serials and Acquisitions Librarian (Chicago Undergraduate Division), eight months from January 1, 1963, $7,950 a year, supersedes (12-31-62).

KOKKODEE, J. J., Research Associate in Physics (C), one year from September 1, 1963, $8,000 (2-1-63).

KOLOW, ROBERT D., Research Associate in Data Processing and Systems (Librarian), and Instructor in Library Administration (Chicago Undergraduate Division), eight months from January 1, 1963, $5,850 a year (1-14-63).

KRAUSS, DIETLINDE E., Research Associate in Chemistry, June 1, 1963-August 31, 1964, $5,850 a year, supersedes (1-29-63).

LAGOW, ROBERT L., Research Associate in Motion Picture Services (College of Journalism and Communications), eight months from January 1, 1963, $6,600 a year (1-15-63).

LAND, MRS. VERA F. C., Assistant in Foreign Languages (Chicago Undergraduate Division), February 1-June 15, 1963, $2,300 (2-4-63).

LANDES, JACK A., Instructor in Dentistry (Dentistry), 1/2 time, January 15-August 31, 1963, $1,500 a year (1-29-63).

LASCHER, ROBERT K., Research Associate in Mechanical Engineering (C), seven months from February 1, 1963, $8,600 a year, supersedes (1-23-63).

LATHROP, JOHN F., Research Physicist in the Department of Physics (C) and in the Digital Computer Laboratory, six months from March 1, 1963, $8,000 a year, supersedes (1-30-63).

LEES, ROBERT B., Associate Professor of English and Linguistics, and Director of Program of Linguistics (College of Liberal Arts and Sciences), 1/2 time, and Research Associate Professor in the Institute of Communications Research
(College of Journalism and Communications), indefinite tenure beginning March 1, 1963, to render service during each academic year; $12,000 a year, supersedes (1-15-63).

LEMKE, DARRELL H., Instructor in Library Administration and Assistant Reference Librarian (Chicago Undergraduate Division), nine months from December 1, 1962, $5,850 a year (12-31-62).

LEWIS, DAVID G., Visiting Research Associate in Agronomy (S), nine months from March 1, 1963, $4,800 (1-14-63).

LEWIS, ROBERT O., Clinical Instructor in Surgery (Medicine), nine months from December 1, 1962, without salary (1-3-63).

LUCAS, ROBERT A., Research Assistant in English, seven months from February 1, 1963, $6,000 a year, supersedes (1-30-63).

MCMASTERS, DONALD L., Visiting Lecturer in Chemistry, Summer Session of 1963, June 17-August 10, 1963, $1,778 for the period (2-4-63).

MOECCA, HILDA E., Research Assistant in Microbiology (Medicine), eight months from January 1, 1963, $5,000 a year (1-15-63).

MORGAN, MARTHA A., Research Associate in Elementary Education, July 1-August 23, 1963, $1,511; this is in addition to her present appointment (2-1-63).

NANNELLI, PIERO, Research Associate in Chemistry, eight months from January 1, 1963, $6,150 a year (1-15-63).

NIELSEN, JOSE, Research Assistant in Civil Engineering (S), February 1-June 15, 1963, $555.56 a month, supersedes (2-1-63).

NIKOLAI, ROBERT J., Instructor in Theoretical and Applied Mechanics (C), to render service during the second semester of the academic year, March 1-August 31, 1963, $6,000 a year, supersedes (1-16-63).

ODELL, RUSSELL T., Member of Sierra Leone Survey Team (Agricultural Research and Extension Specialist) going to Sierra Leone for the Office of International Programs, February 1-April 3, 1963; and beginning April 3, 1963, Professor of Pedology (Agronomy), $16,500 a year (1-30-63).

ONANIAN, EDWARD D., Research Associate in the Bureau of Economic and Business Research, 1/3 time, seven months from February 1, 1963, $2,485 (2-1-63).

PAPADEMOS, JOHN N., Assistant Professor of Physics (Chicago Undergraduate Division), 1/3 time, to render service during the second semester of the academic year, March 1-August 31, 1963, $1,300, supersedes (1-3-63).

PATLOGIAN, SYLVIA, Instructor in Foreign Languages (Chicago Undergraduate Division), 1/4 time, to render service during the second semester of the academic year, February 1-June 30, 1963, $825 (1-28-63).

PATTISON, JEFFREY, Research Associate in Chemistry, February 11-August 31, 1963, $5,850 a year, supersedes (2-4-63).

PAUL, M., Visiting Research Associate in the Digital Computer Laboratory, two months from February 1, 1963, $800 a month (10-29-63).

PEARSON, JOHN E., Professor of General Engineering, 1/4 time, and of Civil Engineering, 1/4 time (C and S), indefinite tenure from March 1, 1963, to render service during each academic year, $12,200 a year, supersedes (1-30-63).

PIORKOWSKI, MRS. GERALDINE J., Instructor in Psychology, 1/3 time, February 1-June 15, 1963, $222.22 a month (2-4-63).

PLOTKIN, WILLIAM H., Assistant Professor of Clinical Speech and Acting Director of the Speech and Hearing Center, Department of Otolaryngology (Medicine), seven months from February 1, 1963, $10,000 a year, supersedes (1-3-63).

PODORE, ISADORE D., Instructor in Dentistry (Dentistry), 1/4 time, January 15-August 31, 1963, $1,500 a year (1-29-63).

PORTER, MAURICE G., Assistant Professor of General Engineering (C and S), to render service during the second semester of the academic year, March 1-August 31, 1963, $8,400 a year, supersedes (1-30-63).

POSTGATE, JOHN R., Visiting Professor of Microbiology, February 1-June 15, 1963, $1,066.66 a month (1-16-63).

PUNDT, HERMANN G., Instructor in Architecture, to render service during the second semester of the academic year, March 1-August 31, 1963, $8,000 a year (1-16-63).

RAJKUMAR, T. V., Research Associate in Biological Chemistry (Medicine), seven months from February 1, 1963, $7,200 a year, supersedes (1-14-63).

RISLEY, WILLIAM O., Senior Research Engineer, Measurement Program (C), six months from March 1, 1963, $12,500 a year (2-4-63).
RON, JAMES W., Research Assistant in Civil Engineering (S), February 1-March 15, 1963, $488.88 a month, supersedes (1-29-63).

SCOGGINS, JAMES L., Instructor in English, to render service during the second semester of the academic year, March 1-August 31, 1963, $6,000 a year, supersedes (1-30-63).

SCOTT, MRS. WENFRED P., Assistant in Occupational Therapy (Medicine), January 7-August 31, 1963, $6,300 a year (1-7-63).

Secter, Irving, Assistant Professor of Clinical Dentistry (Dentistry), ½ time, January 15-August 31, 1963, $6,800 a year, supersedes (1-29-63).

Shaffer, Paul R., Professor of Geology, ½ time, indefinite tenure, and Associate Provost for Undergraduate Affairs, ½ time, March 1-August 31, 1963, to render service during each academic year, $15,000 a year, supersedes (1-19-63).

Silliker, John H., Research Associate in Preventive Medicine (Medicine), December 15, 1962-August 31, 1963, $9,500 a year (1-4-63).

Smith, Mrs. Lucille M., Instructor in Speech and Theatre, to render service during the second semester of the academic year, March 1-August 31, 1963, $6,000 a year (1-23-63).

Solie, Frank W., Jr., Research Associate in the State Water Survey, 1/10 time, six months from January 1, 1963, $1,300 a year, supersedes (1-10-63).

Stambauch, Mrs. Mary K., Research Assistant in Microbiology, January 21-August 31, 1963, $6,000 a year (2-6-63).

Stein, Herbert J., Research Associate in the Coordinated Science Laboratory (C), ½ time to render service during the second semester of the academic year, March 1-August 31, 1963, $229.16 a month, supersedes (1-23-63).

Steinbeck, Paul W., Associate Director for Civil Defense and Assistant to the Director of the Physical Plant, February 1-August 31, 1963, $4,784 for the period, supersedes (1-30-63).

Steward, Omar W., Instructor in Chemistry, to render service during the second semester of the academic year, February 1-August 31, 1963, $3,300 (1-23-63).

Taulbee, Dale B., Instructor in Theoretical and Applied Mechanics (C), ¾ time, February 1-June 15, 1963, $750 (2-4-63).

Thorpe, Marlowe D., Professor of Agronomy, indefinite tenure, and Head of the Department of Agronomy (C, S, and E), beginning March 15, 1963, $19,500 a year (1-17-63).

Thun, Edward H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), January 14-August 31, 1963, $5,700 a year (1-29-63).


Trenske, Paul I., Assistant Professor of Russian, to render service during the second semester of the academic year, March 1-August 31, 1963, $6,500 a year, supersedes (1-19-63).

WINCKELMANN, MARVIN B., Assistant in Foreign Languages (Chicago Undergraduate Division), February 1-June 15, 1963, $2,300 (2-4-63).

YOCUM, PAUL S., Jr., Clinical Instructor in Ophthalmology (Medicine), eight months from January 1, 1963, without salary (1-15-63).

YOUNG, QUENTIN D., Clinical Associate in Preventive Medicine (Medicine), seven months from February 1, 1963, without salary (2-4-63).

ZOGC, CARL A., Research Associate in Dairy Science (S), eight months from January 1, 1963, $6,000 a year (1-15-63).

GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)


BIRCH, JOHN W., Fellow in Economics, three months from June 16, 1963, $900 (12-28-62).

BOODA, PETER, Fellow in Art, three months from June 16, 1963, $900 (12-28-62).

BOND, JAMES A., Fellow in Biology, three months from June 16, 1963, $900 (12-28-62).

BOWEN, VINCENT E., Fellow in French, three months from June 16, 1963, $900 (12-28-62).

BRANDABUR, EDWARD J., Fellow in English, three months from June 16, 1963, $900 (12-28-62).

BROWNE, JULIA, Fellow in Art, three months from June 16, 1963, $900 (12-28-62).

CASON, CHARLES E., Fellow in Philosophy, three months from June 16, 1963, $900 (12-28-62).

CHIHARA, CHARLES S., Fellow in Philosophy, three months from June 16, 1963, $900 (12-28-62).

DEVILLEZ, EDWARD J., United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, one year from February 1, 1963, $2,666 (1-24-63).

DOOLHY, RAYMOND W., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, February 7, 1963-January 31, 1964, $4,000 (1-10-63).


FINNEY, MILDRED I., Fellow in Geography, three months from June 16, 1963, $900 (12-28-62).


FITZGERALD, JAMES E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, five months from January 1, 1963, $2,708.35, supersedes (1-4-63).


FOTHERGILL, WILLIAM, Fellow in Art, three months from June 16, 1963, $900 (12-28-62).

GABLE, JOHN B., Fellow in English, three months from June 16, 1963, $900 (12-28-62).

GABLE, NORMAN W., United States Public Health Service Postdoctoral Fellow in Psychiatry (Medicine), one year from December 1, 1962, without stipend (1-7-63).

GALE, HENRY H., United States Public Health Service Fellow (Trainee) in Physiology, six months from January 1, 1963, $1,500 (1-4-63).

GILLESPIE, ROBERT W., Fellow in Economics, three months from June 16, 1963, $900 (12-28-62).
<table>
<thead>
<tr>
<th>Name</th>
<th>Field</th>
<th>Fellowship Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grebner, Robert P.</td>
<td>United States Public Health Service Fellow (Trainee) in Pharmacology, Medical Center, Chicago, eight months from January 1, 1963, $1,466.72 (1-17-63).</td>
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</tr>
<tr>
<td>Budecz, Leo</td>
<td>Fellow in Art, three months from June 16, 1963, $900 (12-28-62).</td>
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<tr>
<td>Heffter, Gilbert</td>
<td>Medical Student Alternative Quarter Fellow, three months from January 1, 1963, $200 (1-17-63).</td>
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<tr>
<td>Hurtig, Martin R.</td>
<td>Fellow in Art, three months from June 16, 1963, $900 (12-28-62).</td>
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<tr>
<td>Klein, Kurt</td>
<td>Fellow in Russian, three months from June 16, 1963, $900 (12-28-62).</td>
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<tr>
<td>Loftus, Richard J.</td>
<td>Fellow in English and Division of General Studies, three months from June 16, 1963, $900 (12-28-62).</td>
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<tr>
<td>McCormick, Michael R.</td>
<td>United States Public Health Service Fellow (Trainee) in Ophthalmology, Medical Center, Chicago, six months from January 1, 1963, $1,500 (12-20-62).</td>
<td></td>
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<tr>
<td>Metzger, Michael M.</td>
<td>Fellow in German, three months from June 16, 1963, $900 (12-28-62).</td>
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<tr>
<td>Murray, Edward F.</td>
<td>Eli Lilly Research Fellow in Microbiology, Medical Center, Chicago, one year from January 1, 1963, $6,000 (12-19-62).</td>
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<tr>
<td>Myers, David D.</td>
<td>United States Public Health Service Fellow (Trainee) in Veterinary Medicine, five months from January 1, 1963, $2,208.30, supersedes (1-3-63).</td>
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<tr>
<td>Nagel, Stuart</td>
<td>Fellow in Political Science, three months from June 16, 1963, $900 (12-28-62).</td>
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<tr>
<td>Pope, Shirley A.</td>
<td>Fellow in French, February 1-June 15, 1963, $750, and two months from June 16, 1963, $375 (1-10-63).</td>
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</tr>
<tr>
<td>Powell, James M.</td>
<td>Fellow in History and Division of General Studies, three months from June 16, 1963, $900 (12-28-62).</td>
<td></td>
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<tr>
<td>Roderer, Robert C.</td>
<td>Fellow in Astronomy, three months from June 16, 1963, $900 (1-4-63).</td>
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</tr>
<tr>
<td>Ross, Mrs. Johnnie B. A.</td>
<td>National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $3,908.75, supersedes (1-21-63).</td>
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<tr>
<td>Saxinger, William C.</td>
<td>United States Public Health Service Fellow (Trainee) in Microbiology, seven months from February 1, 1963, $1,555.75 (2-6-63).</td>
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<tr>
<td>Sayre, Robert F.</td>
<td>Fellow in English, three months from June 16, 1963, $900 (12-28-62).</td>
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</tr>
<tr>
<td>Schlesinger, Charles V.</td>
<td>United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, one year from February 1, 1963, $2,666 (1-24-63).</td>
<td></td>
</tr>
</tbody>
</table>
SWARTZ, EDWARD, B. B. Rappaport Part-Time Research Fellow in the College of Dentistry, Medical Center, Chicago, five months from January 1, 1963, $500 (1-7-63).

UNZICKER, ROGER G., United States Public Health Service Fellow (Trainee) in Pharmacology, Medical Center, Chicago, eight months from January 1, 1963, $1,800 (1-17-63).

WAHL, FLOYD M., Fellow in Geology, three months from June 16, 1963, $900 (12-28-62).

WARD, WILLIS W., Fellow in Physical Education for Women, three months from June 16, 1963, $900 (12-28-62).

WAHL, FLOYD M., Fellow in Geology, three months from June 16, 1963, $900 (12-28-62).

WARD, WILLIS W., Fellow in Physical Education for Women, three months from June 16, 1963, $900 (12-28-62).

WASSON, RICHARD, Fellow in English, three months from June 16, 1963, $900 (12-28-62).

WHEATLEY, JAMES H., Fellow in English, three months from June 16, 1963, $900 (12-28-62).

WIELAND, ANNA M., United States Public Health Service Fellow (Trainee) in Ophthalmology, Medical Center, Chicago, six months from January 1, 1963, $2,750 (12-20-62).

YUSEM, MILTON, Fellow in Physical Sciences, three months from June 16, 1963, $900 (12-28-62).

RESIGNATIONS. DECLINATIONS. AND TERMINATIONS

ACKERMAN, CHARLES E., Assistant Professor of Floriculture (Horticulture) — resignation effective July 1, 1963.

ALBALA, MAURICE M., Clinical Instructor in Medicine (Medicine) — resignation effective February 1, 1963.

ANDREWS, DANIEL K., Assistant Professor of Accountancy (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.

ANNER, GEORGE E., Professor of Electrical Engineering, Summer Session of 1963 — declination effective June 17, 1963.

BANKS, EDMUND M., Associate Professor of Animal Behavior (Animal Science) and of Biological Sciences (Division of General Studies) — resignation effective March 1, 1963.

BEST, JAY B., Associate Professor of Physiology (Medicine) — resignation effective May 1, 1963.

BIRCH, JOHN W., Fellow in Economics — declination effective June 16, 1963.

BLUM, HANS J., Professor of Economics, Summer Session of 1963 — declination effective June 17, 1963.


CLAUSEN, EDWARD M., Research Assistant in Ceramic Engineering — resignation effective February 16, 1963.

COTE, MICHEL G., Instructor in Veterinary Research and in Veterinary Physiology and Pharmacology — resignation effective February 1, 1963.

DAHLBERG, ANDREW V., Clinical Assistant in Obstetrics and Gynecology (Medicine) — resignation effective January 15, 1963.

DODD, GEORGE G., Television Shares Management Teaching Fellow in Electrical Engineering — resignation effective February 1, 1963.

EADIE, GEORGE R., Associate Professor of Mining Engineering — resignation effective March 1, 1963.

FETVEND, ROBERT O., Katherine L. Sharp Fellow in Library Science — resignation effective February 1, 1963.

FIELD, MARK G., Associate Professor of Sociology — resignation effective March 1, 1963.

FOX, ROBERT P., Instructor in English for Foreign Students, Summer Session of 1963 — declination effective June 17, 1963.

FRAMPTON, GEORGE T., Professor of Law, Summer Session of 1963 — declination effective June 17, 1963.

GEBUHR, CARL A., Clinical Instructor in Medicine (Medicine) — resignation effective January 1, 1963.

GILLESPIE, ROBERT W., Fellow in Economics — declination effective June 16, 1963.

GRAY, PETER V., Research Associate in Electrical Engineering — resignation effective January 5, 1963.

HANDLER, JOEL F., Assistant Professor of Law, Summer Session of 1963 — declination effective June 17, 1963.
Hayenga, Marvin L., Fellow in Agricultural Economics — resignation effective February 1, 1963.

Henderson, Irwin L., Jr., Associate Professor of Management, Summer Session of 1963 — declaration effective June 17, 1963.

Helm, Frederick C., Assistant in Pharmacognosy and Pharmacology (Pharmacy) — resignation effective January 2, 1963.

Jewett, Ann E., Associate Professor of Education and of Physical Education for Women — resignation effective March 1, 1963.

Langhaar, Henry L., Professor of Theoretical and Applied Mechanics, Summer Session of 1963 — declaration effective June 17, 1963.

Lee, Robert B., Associate Professor of English, Summer Session of 1963 — declaration effective June 17, 1963.

McGill, John N., Assistant Professor of Food Technology — resignation effective February 22, 1963.

Metzger, Michael M., Fellow in German — declaration effective June 16, 1963.


Ranney, J. Austin, Professor of Political Science — resignation effective March 1, 1963.

Schwarzlose, Paul F., Professor of Electrical Engineering, Summer Session of 1963 — declaration effective June 17, 1963.

Smith, Richard K., Instructor in History (Chicago Undergraduate Division) — resignation effective February 1, 1963.

Stambaugh, Robert L., National Science Foundation Cooperative Fellow in Chemistry — resignation effective February 1, 1963.

Stark, Kenneth, Assistant-Counseling in the Student Counseling Service (Provost's Office) — resignation effective February 1, 1963.

Trippet, Mary M., Assistant in English — resignation effective February 1, 1963.


Welker, Neil E., United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective February 1, 1963.

Wiesinger, Frederick P., Associate Professor of Civil Engineering (Chicago Undergraduate Division), Summer Session of 1963 — declaration effective June 21, 1963.

Winnikow, S., Assistant in Mechanical Engineering — declaration effective September 16, 1962.

Leaves of Absence

Cronbach, Lee J., Professor of Psychology, and of Education, in the Bureau of Educational Research — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a fellowship at the Center for Advanced Study in the Behavioral Sciences at Stanford, California.

DeFries, John C., Assistant Professor of Genetics (Dairy Science), in the College of Agriculture and in the Agricultural Experiment Station — leave of absence, without pay, for eleven months from October 1, 1963, for post-doctoral study and research at the University of California at Berkeley.

Runkel, Philip J., Associate Professor of Education and Associate Director, Office of Educational Testing — leave of absence, without pay, for one month from June 14, 1963, so that he may accept an invitation to teach in the summer session at the University of Oregon.

Sah, Chih-Tang, Professor of Electrical Engineering and of Physics, in the College of Engineering and in the Engineering Experiment Station — leave of absence, without pay, from March 1 through August 31, 1963.

Tierman, Patricia A., Instructor in Occupational Therapy, in the College of Medicine — leave of absence, without pay, from January 7 through August 31, 1963, so that she may accept a Fulbright Scholarship at the University of Denmark, Aarhus, Denmark.

Warren, Charles P., Instructor in Anthropology (Chicago Undergraduate Division) — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a National Science Foundation Fellowship for field work in Anthropology.
CANCELLATIONS OF SABBATICAL LEAVES OF ABSENCE

LATHROPE, DONALD E., Associate Professor of Social Work — sabbatical leave of absence for the second semester of 1962-63 cancelled, without prejudice.

STUDENT SENATE OFFICERS

Last year officers of the Student Senate were invited to be guests of the Board of Trustees at luncheon at one of the meetings held in Urbana. President Clement announced that the Student Senate officers would appreciate the opportunity of meeting with the Board and asked the Board's wishes.

It was the consensus of the Trustees that the Student Senate group should be invited to the April meeting, and the Secretary was instructed to make the necessary arrangements.

FUTURE MEETINGS OF THE BOARD

Mr. Clement reminded the Board that the annual meeting will be held in Urbana on Wednesday, March 20, 1963, the date of this meeting having been changed from the second Tuesday by vote of the Board.

The April meeting will be held on Wednesday, April 17, 1963, and President Clement announced that this meeting will be held in Urbana.

The May meeting is scheduled for Wednesday, May 15, 1963.

Mr. Williamson suggested that consideration be given to changing the date of the June meeting from the third Wednesday to Thursday, June 6, 1963, the date preceding the Commencement Exercises for the colleges of the Medical Center. Action on this suggestion was deferred, but it was the consensus of the Trustees that both dates should be held in reserve for the time being.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session was requested for consideration of recommendations relating to property acquisitions.

On motion of Mrs. Watkins, an executive session was ordered, to be held after luncheon, and the Board recessed.

EXECUTIVE SESSION

The Board reconvened at 2:00 p.m. The same members and officers of the Board and officers of the University were present as recorded at the beginning of these minutes with the exception of Mr. Ray Page who asked to be excused.

PURCHASE OF PROPERTIES AT 51 EAST ARMORY AVENUE, 53 EAST ARMORY AVENUE, AND 1104-1106 SOUTH LOCUST STREET, CHAMPAIGN, ILLINOIS

(1) The Committee on Buildings and Grounds has approved the design of an addition to the University Press Building to be constructed north of the present Press Building east of Locust Street extended and south of Armory Avenue, Champaign. Architectural work is being completed and construction is scheduled to start in the spring of 1963 with occupancy approximately fifteen months later.

The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the properties at 51 and 53 East Armory Avenue and 1104-1106 South Locust Street, these properties being owned by the same individual, at a total price of $75,000 for all the parcels. The land is needed for the addition to the Press Building, further expansion of the Press functions, and other educational activities.

The properties consist of:
51 East Armory Avenue—a lot 48 feet by 120 feet improved with a two-story and basement frame house which has been converted into an apartment house of four units.

53 East Armory Avenue—a lot 48 feet by 120 feet improved with a two-story and basement frame house which has been converted into two apartments, and a three-car garage.

1104-1106 South Locust—a lot 40 feet by 140 feet improved with a one-story and basement duplex building, and two garages, one four-car and one one-car; access to this property is through the properties at 51 and 53 East Armory Avenue.

The Board of Trustees on December 19, 1962, authorized condemnation proceedings for acquisition of these properties. However, through subsequent negotiations, a price of $75,000 has been agreed upon which is within the limit authorized by the Committee on Buildings and Grounds. It also appears to be the lowest price for which the properties can be acquired without condemnation proceedings and incurring the resulting costs. The owner will sell the properties at the price indicated on these conditions:

Possession of the property at 1104-1106 South Locust Street, and the land, including garages, south of the residential improvements at 51 East Armory Avenue and 53 East Armory Avenue, will be delivered to the University on or before April 30, 1963.

Possession of the remaining properties at 51 East Armory Avenue and 53 East Armory Avenue, will be delivered to the University on or before June 30, 1963.

The University will pay the taxes for the year 1963 payable in 1964. The owner will pay the taxes for the year 1962 payable in 1963 and will assume all expenses such as utilities and insurance, and will maintain the property in its existing condition as long as she remains in possession.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I recommend authorization of this purchase on the conditions indicated; and I further recommend that the Board rescind its action of December 19, 1962, with respect to the acquisition of these properties.

On motion of Mr. Pogue, the purchase of these properties, at the price and on the conditions recommended, was authorized; and the Board voted to rescind its previous action of December 19, 1962, for the acquisition of these properties through condemnation.

ACQUISITION OF PROPERTY AT 402 EAST CHALMERS STREET, CHAMPAIGN, ILLINOIS

(2) The Committee on Buildings and Grounds has approved the design of a residence hall for single graduate students to be constructed in the block bounded by Daniel Street, Fifth Street, Chalmers Street, and Fourth Street, Champaign, Illinois. Architectural work is in process and construction is scheduled to start in the spring of 1964 with completion in time for occupancy in the fall of 1965.

Representatives of the University have been negotiating for the purchase of the property at 402 East Chalmers Street, included within the site. This property is a corner lot of 5,986 square feet (being 51.5 feet on Chalmers Street, by 116.24 feet on Fourth Street), improved with a three-story and basement frame dwelling converted into an eight-unit apartment house.

Based on appraisals received by the University, an offer of $29,712 was made to the owner, who was advised that if he agreed to that amount, a recommendation would be made to the Board of Trustees for purchase of the property. The offer is not acceptable to the owner, whose asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees exercise its power to obtain the property by eminent domain and authorize condemnation proceedings.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution.
Resolution Authorizing Condemnation of Property at 402 East Chalmers Street, Champaign, Illinois

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Two (2) of a Replat of Lots Six (6), Seven (7), Eight (8), and Twelve (12) in Block Three (3) of a Replat of Lots Five (5), Six (6), Seven (7) and Eight (8) in Block One (1) and Lots Five (5), Six (6), Seven (7) and Eight (8) in Block Two (2) and Lots Five (5), Six (6), Seven (7) and Eight (8) in Block Three (3) of A. T. Hall's Addition to the City of Champaign and also described as Lot Two (2) of a Replat of Lots Six (6), Seven (7), Eight (8), and Twelve (12) in Block Three (3) of a Replat of Lots Five (5), Six (6), Seven (7) and Eight (8) in Block One (1) and Lots Five (5), Six (6), Seven (7) and Eight (8) in Block Two (2) and Lots One (1), Two (2), Three (3), Five (5), Six (6), Seven (7), and Eight (8), in Block Three (3) of A. T. Hall's Addition to the City of Champaign, and being a part of the Southeast Quarter (SE¼) of the Northwest Quarter (NW¼) of Section Eighteen (18), Township Nineteen North (T-19-N), Range Nine East (R-9-E) of the Third Principal Meridian, situated in the City of Champaign, County of Champaign and State of Illinois is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for residence halls buildings for single graduate students and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a pro-
ceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA

Secretary

HOWARD W. CLEMENT

President
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The annual meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, March 20, 1963, beginning at 10:30 a.m., the date of this meeting having previously been changed by vote of the Board from the second Tuesday of March to March 20, 1963.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Irving Dilliard and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. V. L. Kretschmer, Director of Auxiliary Services; and officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
MINUTES APPROVED
The Secretary presented the minutes of the meeting of the Board of Trustees on July 18, 1962, press proof copies of which have previously been sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed on pages 1 to 48, inclusive.

ELECTION OF TEMPORARY CHAIRMAN
The Board took up the special order of business for the annual meeting; President Clement asked if the Board desired to elect a temporary chairman.

Mr. Johnston nominated Mrs. Frances B. Watkins; Mr. Swain seconded the nomination.

On motion of Mr. Hughes, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for the election of Mrs. Watkins as President, *Pro Tempore*. The ballot was so cast and Mrs. Watkins took the chair.

ELECTION OF OFFICERS

President of the Board
Mrs. Watkins called for nominations for the office of President of the Board of Trustees.

Mr. Pogue nominated Mr. Howard W. Clement; Mr. Johnston seconded the nomination.

On motion of Mr. Johnston, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for the election of Mr. Howard W. Clement as President, to serve until the next annual meeting of the Board of Trustees in March, 1964, or until his successor shall have been elected and qualified. The ballot was so cast, and he was declared elected as President of the Board.

Mr. Clement took the chair and expressed his appreciation of the confidence of the Board in re-electing him as its President. He also reviewed some of the significant matters of policy and decisions with which the Board was confronted during the preceding year and the actions taken.

Secretary of the Board
Mr. Swain nominated Mr. A. J. Janata; Mr. Johnston seconded the nomination.

On motion of Mr. Johnston, the nominations were closed and Mr. Janata was elected Secretary of the Board of Trustees to serve until the next annual meeting in March, 1964, or until his successor shall have been elected and qualified.

Comptroller of the Board
Mr. Hughes nominated Mr. H. O. Farber as Comptroller; Mr. Pogue seconded the nomination.

On motion of Mr. Pogue, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for the election of Mr. Farber as Comptroller of the Board of Trustees, to serve until the next annual meeting in March, 1964, or until his successor shall have been elected and qualified. The ballot was so cast and Mr. Farber was declared elected as Comptroller of the Board.
Executive Committee

Mr. Swain nominated Mr. Wayne A. Johnston and Mrs. Frances B. Watkins to serve as members of the Executive Committee, with the President of the Board as Chairman, for one year; Mr. Hughes seconded the nominations.

On motion of Mr. Hughes, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for Mr. Johnston and Mrs. Watkins as members of the Executive Committee of the Board of Trustees, to serve until the next annual meeting in March, 1964, or until their successors shall have been elected. The ballot was so cast and Mr. Johnston and Mrs. Watkins were declared elected as members of the Executive Committee.

Treasurer of the Board

Mr. Swain nominated Mr. Robert R. Manchester, a Vice-President of the First National Bank of Chicago, as Treasurer of the Board; Mr. Hughes seconded the nomination.

On motion of Mr. Hughes, the nominations were closed and the Secretary was instructed to cast the unanimous ballot of the Board for the election of Mr. Manchester as Treasurer of the Board of Trustees for a two-year term, to serve until the second Tuesday in March, 1965 (March 9, 1965), or until his successor shall have been elected and qualified, in accordance with the statutory provision of a biennial term for Treasurer. The ballot was so cast and Mr. Manchester was declared elected as Treasurer.

Tribute to Mr. C. W. Weldon

On motion of Mr. Swain, the Board recorded its appreciation of the services of Mr. C. W. Weldon as Treasurer during the past twelve years and the Secretary was instructed to send him an appropriate message on behalf of the Board.

Treasurer's Bond

On motion of Mr. Swain, the amount of the Treasurer's Bond was fixed at $6,000,000.

On motion of Mr. Swain, seconded by Mr. Hughes, the Finance Committee was instructed to see that the Treasurer presents a satisfactory bond in the amount specified above and to report the same to the Board.

Authority to Receive Moneys

Mr. Johnston offered the following resolution and moved its adoption:

Resolved, that the Treasurer of the Board of Trustees of the University of Illinois be, and he hereby is, authorized to receive and receipt for all moneys, and to endorse all orders, drafts, and checks due and payable to the Board of Trustees or to the University of Illinois, and especially all drafts drawn by the Treasurer of the United States payable to the Board of Trustees or the University of Illinois.

This resolution was adopted.

Delegation of Signatures

Mrs. Watkins offered the following resolution:

Resolved, that the President and the Secretary of the Board of Trustees of the University of Illinois are authorized to delegate the signing of their names as President and Secretary, respectively, to vouchers to be presented to the Auditor
of Public Accounts, and to warrants drawn on the Treasurer of the University, under the following conditions.

The President of the Board of Trustees is authorized to delegate to L. M. Dahlenburg and to W. D. Green in Urbana, and to J. E. Osborn, to W. E. Cowart, and to H. O. Albers in Chicago, authority to sign his name as President of the Board of Trustees to vouchers against the Auditor of Public Accounts; and to C. C. DeLong, to R. W. Zimmer, and to R. F. Wood in Urbana, and to J. E. Osborn, to W. E. Cowart, and to H. O. Albers in Chicago, authority to sign his name to warrants on the University Treasurer covering vouchers approved in accordance with regulations approved by the Board.

The Secretary of the Board of Trustees is authorized to delegate to Maude Archdeacon, to George H. Bargh, to Earl W. Porter, and to Everett G. Smith in Urbana, and to G. R. Moon, to Velma M. Davis, to Helen Wyle, to Margaret Mayer, and to Ann Feryanchik in Chicago, authority to sign his name as Secretary of the Board of Trustees to vouchers against the Auditor of Public Accounts and to warrants on the University Treasurer, covering vouchers approved in accordance with regulations of the Board. The Secretary of the Board of Trustees is authorized to delegate to Addalein C. Hawk and to Lean C. Ryan in Springfield, authority to sign his name as Secretary of the Board of Trustees on vouchers against the Auditor of Public Accounts approved in accordance with the regulations of the Board. These authorizations are to continue in effect until the Auditor of Public Accounts has been supplied with specimen signatures of succeeding officers of this Board. And be it further

Resolved, that the First National Bank of Chicago as a designated depository of R. R. Manchester, Treasurer of this corporation, be and it (including its correspondent banks) is hereby requested, authorized, and directed to honor checks, drafts, or other orders for the payment of money drawn in this corporation's name, including those drawn to the individual order of any person or persons whose name or names appear thereon as signer or signers thereof, when bearing or purporting to bear the facsimile signatures of the two following: Howard W. Clement, President, and A. J. Janata, Secretary; and the First National Bank of Chicago (including its correspondent banks) shall be entitled to honor and to charge this cooperation for all such checks, drafts, or other orders, regardless of by whom or by what means the facsimile signature or signatures thereon may have been affixed thereto, if such facsimile signature or signatures resemble the facsimile specimens duly certified to or filed with the First National Bank of Chicago by the Secretary or other officer of this corporation. And be it further

Resolved, that the Auditor of Public Accounts is hereby authorized and directed to honor vouchers bearing facsimile signatures of the President and Secretary of the Board of Trustees of the University of Illinois if such facsimile signatures resemble the facsimile specimens duly certified to or filed with the Auditor of Public Accounts by the Secretary.

This resolution was adopted.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:
I concur.

On motion of Mr. Johnston, these certificates were awarded.

HEADSHIP OF DEPARTMENT OF ENTOMOLOGY

(2) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Clyde W. Kearns as Professor of Entomology on indefinite tenure and Head of the Department of Entomology beginning September 1, 1963, to replace Professor Leigh E. Chadwick (currently on sabbatical leave of absence) who has asked to be relieved of his administrative responsibilities to devote full time to teaching and research. The salary of the position will be determined when the budget for 1963-64 is submitted to the Board of Trustees for approval.

This recommendation is submitted after consultation with all members of the Department of Entomology and is supported by the Executive Committee of the School of Life Sciences, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Hughes, this appointment was approved.

APPOINTMENTS TO THE FACULTY

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. FERRON L. ANDERSEN, Assistant Professor of Veterinary Parasitology, in the Department of Veterinary Pathology and Hygiene, and Associate Staff in the Center for Zoonoses Research, beginning July 1, 1963, at an annual salary of $8,400 (BY).

2. RICHARD KOPPE, Associate Professor of Art, in the College of Architecture and Art, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of $9,800 (A).

3. WILLIAM J. MONESSE, Assistant Professor of Physiology, in the College of Medicine, beginning July 1, 1963, at an annual salary of $9,600 (DY).

4. WILLIAM A. PETERSON, Assistant Professor of Accountancy, beginning September 1, 1963, at an annual salary of $8,300 (B).

5. THORALF A. SKOLEM, Visiting Professor of Mathematics, for one and one-half months from April 15, 1963, at a salary of $3,000 (G).

6. ROLLAND E. STEVENS, Professor of Library Science, beginning September 1, 1963, at an annual salary of $10,700 (A).

7. ANDREW THOMSON, Assistant Professor of Medicine, beginning January 1, 1963, without salary (DY).

8. MOYLE S. WILLIAMS, Assistant Director of Cooperative Extension Service with rank of Professor, in Agricultural Administration and Cooperative Extension Service, beginning April 1, 1963, at an annual salary of $14,500 (DY).

On motion of Mr. Swain, these appointments were confirmed.

APPOINTMENTS TO THE BOARD OF DIRECTORS OF THE ATHLETIC ASSOCIATION

(4) Submitted herewith are nominations for appointments to the Board of Directors of the University of Illinois Athletic Association, to become effective as of today and to continue until the next annual meeting of the Board of Trustees of the University of Illinois in 1964, or until the successors of these Directors have been appointed.

Faculty

HAROLD W. HANNAH, Professor of Agricultural Law, Department of Agricultural Economics, and Professor of Veterinary Medical Law (reappointment; has served since 1960)
PAUL M. VAN ARSDELL, Professor of Finance and Head of the Department (reappointment; has served since 1961)
GEORGE W. WHITE, Professor of Geology and Head of the Department (reappointment; has served since 1962)
LESLIE A. BRYAN, Professor of Management and Director of the Institute of Aviation (reappointment; Director Bryan is also the University of Illinois Faculty Representative in the Western Intercollegiate Conference and his appointment as a faculty representative on the Board of Directors of the Athletic Association is an ex officio assignment)

Alumni
STANLEY L. BODMAN, Class of 1931, 175 West Jackson Boulevard, Chicago (reappointment; has served since March, 1960)
GEORGE R. CATLETT, Class of 1939, partner in the firm of Arthur Andersen and Company, Certified Public Accountants, 120 South LaSalle Street, Chicago 3 (reappointment; has served since March, 1961)
CHARLES C. DADANT, Class of 1941, member of the firm of Dadant and Sons, Inc., Hamilton

On motion of Mr. Pogue, these appointments were approved.

SABBATICAL LEAVES OF ABSENCE, 1963-64

(5) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1963-64 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated.

In accordance with the established procedure, the programs of research, study and travel for which leaves are requested have been examined by the University Research Board, which advises the President in such matters, and by the Executive Vice-President and Provost, who concurs.

College of Agriculture

Department of Agricultural Economics
LESLIE FERRIS STICE, Professor of Grain Marketing, full year beginning July 1, 1963, one-half pay; or six months beginning February 1, 1964, full pay; full-year leave contingent upon receipt of supplementary financial aid.
VINCENT IRVING WEST, Professor of Agricultural Economics, full year beginning September 1, 1963, one-half pay; or six months beginning February 1, 1964, full pay; full-year leave contingent upon receipt of supplementary financial aid.

Department of Agricultural Engineering
EDWIN LEROY HANSEN, Professor of Agricultural Engineering, six months beginning July 16, 1963, full pay.

Department of Agronomy
WALTER CASPAR JACOB, Professor of Biometry and Data Processing, six months beginning September 1, 1963, full pay.
SIGURD WALTER MELSTED, Professor of Soil Chemistry, six months beginning March 1, 1964, full pay (six months beginning September 1, 1963, without pay); leave contingent upon receipt of supplementary financial aid.

Department of Animal Science
SORAB PIROZSHAH MISTRY, Associate Professor of Biochemistry, full year beginning September 1, 1963, one-half pay.

Department of Dairy Science
GLENN WADE SALISBURY, Professor of Dairy Science and Head of the Department, six months beginning September 1, 1963, full pay.

Dixon Springs Experiment Station
HUBERT ARTHUR CATE, Associate Professor of Agricultural Extension, six months beginning June 1, 1963, full pay.

Agricultural Publications (Agricultural Administration)
RICHARD GORDON MOORES, Assistant Editor with rank of Assistant Professor, six months beginning September 1, 1963, full pay.
College of Commerce and Business Administration

Department of Accountancy
EDWIN JOE DEMARIS, Associate Professor of Accountancy, second semester, full pay.

Bureau of Economic and Business Research
JOSEPH DEXTER PHILLIPS, Research Professor, six months beginning February 15, 1964, full pay.

Department of Economics
JOHN FRED BELL, Professor of Economics and Chairman of the Department, second semester, full pay.
DONALD LORENZO KEMMERER, Professor of Economics, second semester 1963-64, and first semester 1964-65, one-half pay; or second semester 1963-64, full pay.
WALTER WOLOTT McMAHON, Associate Professor of Economics, academic year, one-half pay.
PAUL J. WELLS, Associate Professor of Economics, academic year, one-half pay.

Department of Economics
JOHN FRED BELL, Professor of Economics and Chairman of the Department, second semester, full pay.
DONALD LORENZO KEMMERER, Professor of Economics, second semester 1963-64, and first semester 1964-65, one-half pay; or second semester 1963-64, full pay.
WALTER WOLOTT McMAHON, Associate Professor of Economics, academic year, one-half pay.
PAUL J. WELLS, Associate Professor of Economics, academic year, one-half pay.

Department of Marketing
RICHARD DONALD MILLICAN, Associate Professor of Marketing, first semester, full pay.

College of Education
M. DALE BAUGHMAN, Associate Professor of Education, University Council on Teacher Education, six months beginning August 1, 1963, full pay.
HARRY SAMUEL BROURY, Professor of Education, second semester, full pay.
DAVID MUNRO JACKSON, Professor of Education and Principal of University High School, for the period September 15, 1963, to June 15, 1964, one-half pay.
PHILIP H. RUNKEL, Associate Professor of Education and Associate Director of the Office of Educational Testing, six months beginning August 14, 1963, full pay.

College of Engineering

Department of Electrical Engineering
DON FRANKLIN HOLSHOUSE, Associate Professor of Electrical Engineering, six months beginning February 10, 1964, full pay; alternate period, six months from August 10, 1964.
HEINZ VON FÖRSTER, Professor of Electrical Engineering and of Biophysics, second semester, full pay.

Department of Mechanical and Industrial Engineering
EUGENE IVAN RADZIMOVSKY, Professor of Mechanical and Industrial Engineering, second semester, full pay; leave contingent upon receipt of supplementary financial aid.

Department of Mining, Metallurgy, and Petroleum Engineering
WALTER HERBERT BRUCKNER, Research Professor of Metallurgical Engineering, second semester, full pay.

Department of Physics
JAMES SIRCOM ALLEN, Professor of Physics, second semester, one-half pay.
DANIEL ALPERT, Professor of Physics and Director of the Coordinated Science Laboratory, six months beginning February 15, 1964, full pay.
GIOVANNI DE PASQUALI, Research Assistant Professor of Physics, six months beginning February 1, 1964, full pay.
JOHN DAVID JACKSON, Professor of Physics, academic year, one-half pay.
DAVID GEOFFREY RAVENHALL, Associate Professor of Physics, academic year, one-half pay.
RALPH O. SIMMONS, Associate Professor of Physics, second semester, full pay.
HENRY WILLIAMS WYLD, Jr., Associate Professor of Physics, academic year, one-half pay.

Department of Theoretical and Applied Mechanics
MARVIN STIPPES, Professor of Theoretical and Applied Mechanics, second semester, full pay.
College of Fine and Applied Arts

Department of Architecture
GABRIEL GUEVREKIAN, Professor of Architecture, first semester, full pay.
RALPH MARLOWE LINE, Associate Professor of Architecture, second semester, full pay.
A. RICHARD WILLIAMS, Professor of Architecture, second semester, full pay.

Department of Art
LEE ROY CHESNEY, Jr., Professor of Art, academic year, one-half pay.
JOHN WILLIAM KENNEDY, Professor of Art, first semester, full pay.
JOHN WALLACE RAUSCHENBERGER, Associate Professor of Art, first semester, full pay.
JAMES R. SHIPLEY, Professor of Art and Head of the Department, first semester, full pay.
MARK ANDERSON SPRAGUE, Associate Professor of Art, second semester, full pay.

Bureau of Community Planning
VICTOR A. HYDE, Professor of Community Planning, six months beginning September 1, 1963, full pay.

School of Music
HAROLD AUGUSTUS DECKER, Professor of Music, second semester, full pay.
KENNETH LOUIS GABURO, Assistant Professor of Music, academic year, one-half pay.
GEORGE HOWARD HUNTER, Associate Professor of Music, academic year, one-half pay.
DEAN WALLACE SANDERS, Associate Professor of Music, academic year, one-half pay.

Graduate College

Digital Computer Laboratory
LLOYD DUDLEY FOSDICK, Research Associate Professor of Physics, academic year, one-half pay, or first semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.
DONALD BRUCE GILLIES, Research Associate Professor of Applied Mathematics, first semester, full pay; second semester, without pay.

College of Journalism and Communications
GEORGE GERBNER, Associate Professor of Journalism and Research Associate Professor in the Institute of Communications Research, six months, beginning February 1, 1964, full pay.
CHARLES EGERTON OSGOOD, Professor of Psychology, College of Liberal Arts and Sciences, and Research Professor and Director of the Institute of Communications Research, full year beginning September 1, 1963, one-half pay.

Institute of Labor and Industrial Relations
PHILLIPS L. GARMAN, Professor in the Institute of Labor and Industrial Relations and in the Division of University Extension, six months beginning September 1, 1963, full pay.

College of Liberal Arts and Sciences

Department of Anthropology
OSCAR LEWIS, Professor of Anthropology, academic year, one-half pay.

Department of Botany
LAWRENCE CARROLL BLISS, Associate Professor of Botany, academic year, one-half pay.

Department of Classics
JOHN LEWIS HELLER, Professor of Classics and Head of the Department, second semester, full pay.
Division of General Studies
LAWRENCE JOHN McCAFFREY, Associate Professor of History, first semester, one-half pay; leave contingent upon receipt of supplementary financial aid.

Department of English
SANFORD GOLDING, Assistant Professor of English, first semester, full pay.
MARVIN THEODORE HERRICK, Professor of English, second semester, full pay.
FRANCIS EDWARD HODGINS, JR., Assistant Professor of English, first semester, full pay.
WILLIAM HOWE RUECKERT, Assistant Professor of English, first semester, full pay.
ARTHUR LINCOLN SCOTT, Associate Professor of English, academic year, one-half pay.

Department of French
STANLEY EVERTS GRAY, Assistant Professor of French, second semester, full pay.

Department of Geography
ALFRED WHALEY BOOTH, Professor of Geography, first semester, full pay.
FRED WILLIAM FOSTER, Professor of Geography, academic year, one-half pay; leave contingent upon receipt of supplementary financial aid.

Department of Geology
ALFRED CAROZZI, Professor of Geology, first semester, full pay.

Department of Mathematics
MAHLON MARSH DAY, Professor of Mathematics and Head of the Department, second semester, full pay.

Department of Philosophy
D. W. GOTSHALK, Professor of Philosophy, academic year, one-half pay.
LEONARD LINSKY, Associate Professor of Philosophy, second semester, full pay.

Department of Physiology and Biophysics
C. LADD PROSSER, Professor of Physiology and Biophysics and Head of the Department, academic year, one-half pay, or second semester, one-half pay; leave contingent upon receipt of supplementary financial aid.

Department of Political Science
FRANCIS GRAHAM WILSON, Professor of Political Science, second semester, one-half pay.

Department of Psychology
JACK ASHTON ADAMS, Professor of Psychology, academic year, one-half pay.

Department of Spanish, Italian, and Portuguese
JOSEPH HEATHLY DULLES ALLEN, JR., Professor of Spanish and Portuguese, second semester, full pay, or second semester 1963-64 and first semester 1964-65, one-half pay; the latter contingent upon receipt of supplementary financial aid.
JOSEPH S. FLORES, Associate Professor of Spanish, Italian, and Portuguese, second semester, full pay.
WILLIAM HUTCHINSON SHOEMAKER, Professor of Spanish, Italian, and Portuguese and Head of the Department, first semester, full pay.

Department of Speech and Theatre
JOSEPH W. SCOTT, Professor of Speech, Supervisor of Dramatic Productions, and Director of University Theatre, six months beginning March 1, 1964, full pay.
KARL RICHARDS WALLACE, Professor of Speech and Theatre and Head of the Department, academic year, one-half pay, or second semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.
Department of Zoology

ROBERT SMITH BADER, Associate Professor of Zoology, first semester, full pay.

College of Physical Education

AURELIO EUGENE FLORIO, Professor of Safety Education, in the Department of Health and Safety Education, second semester, full pay.

HUGH EUGENE WEAVER, Associate Professor of Recreation and Municipal Park Administration, first semester, full pay.

OLIVE G. YOUNG, Associate Professor of Physical Education for Women, academic year, one-half pay.

Jane Addams Graduate School of Social Work

DAVID E. TANENBAUM, Professor of Social Work, full year beginning September 1, 1963, one-half pay.

Office of the Executive Vice-President and Provost

MORTON WAGMAN, Assistant Professor of Psychology and Clinical Counselor in the Student Counseling Service, second semester, full pay.

University Press

DONALD D. JACKSON, Editor with rank of Professor, six months beginning March 1, 1964, full pay.

Chicago Undergraduate Division

LOUIS CHANDLER, Associate Professor of Physics, academic year, one-half pay.

MARGARET CHANDLER, Associate Professor of Sociology, academic year, one-half pay.

MILDRED I. FINNEY, Assistant Professor of Geography in the Social Sciences, second semester, full pay.

CLARENCE HENRY GILLETT, Professor of Management, first semester, full pay.

ALLEN H. HOWARD, Associate Professor of Psychology in the Social Sciences, academic year, one-half pay.

SARAH MADONNA KABBES, Associate Professor of Accountancy, second semester, full pay.

PETER P. KLASSEN, Professor of Sociology, second semester, full pay.

MARIE E. LEIN, Associate Professor of French in the Humanities, second semester, full pay.

SONIA MILLER, Assistant Professor of English, second semester, full pay.

KENNETH H. MURPHY, Assistant Professor of Mathematics, second semester, full pay.

SAMUEL A. WEISS, Associate Professor of English, academic year, one-half pay.

Chicago Medical Center

IRA M. ROSENTHAL, Associate Professor of Pediatrics, six months beginning September 15, 1963, full pay.

On motion of Mrs. Watkins, these leaves were granted as recommended.

GRADUATE PROGRAM IN NURSING

(6) The Medical Center Senate and the Graduate College recommend authorization of a graduate program leading to the degree of Master of Science in Nursing (M.S.N.) to be inaugurated at the beginning of the academic year 1963-64. The program will cover five quarters of study and will offer advanced preparation for supervisors and teachers in medical-surgical nursing, pediatrics nursing, and psychiatric nursing. Required courses will include advanced clinical nursing, related social and natural sciences, instruction in management of nursing services, and research. Students will be encouraged to elect courses in other areas of individual need or interest.
Admission Requirements
Completion of a program in nursing substantially equivalent to the baccalaureate degree program of the College of Nursing, University of Illinois.
Minimum scholastic average of 3.5 in undergraduate work.
A license to practice as a professional nurse in at least one state or other political jurisdiction.
Passing, with satisfactory grades, examinations specified by the Graduate College and the College of Nursing.
Potential for professional practice in the elected field of specialization.

Graduation Requirements
Completion of the approved curriculum.
Satisfactory completion of thesis on subject approved by professor in charge of major work and oral examination upon the thesis.
Satisfaction of the requirements of the Graduate College for units and grades, or minimum grade-point average as required by the Graduate College.
Study in residence for the equivalent of at least three quarters.
Completion of all requirements for the degree within five calendar years after first registration in Graduate College.
The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.
I concur, subject to further action by the Board of Higher Education.

Submitted herewith is a supporting statement from the College of Nursing on the need for this program, the resources of the University of Illinois for offering the same, and the details of the proposed curriculum, a copy of which is being filed with the Secretary of the Board for record.

On motion of Mrs. Watkins, this recommendation was approved.

GRADUATE PROGRAM IN HOME ECONOMICS
(7) The Urbana-Champaign Senate has approved a new graduate program option in family and consumption economics leading to the degree of Master of Science in Home Economics.
Submitted herewith are supporting memoranda giving the details of this option, a copy of which is being filed with the Secretary of the Board for record.
The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.
I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

CHANGE IN GRADING SYSTEM
(8) At its meeting on December 19, 1962, the Board of Trustees approved a recommendation from the University Senates for a change in the grading system whereby the grade of "DR" (the equivalent of a grade of "E," indicating failure), formerly recorded when a student has been dropped from a course for dishonesty in an examination or other required work, shall be discontinued and a grade of "E" will be recorded. Following approval of this recommendation, the question was asked if the fact that a grade of "E" is being reported for academic irregularity would be entered in the student's record, and the Board was informed that a report in answer to the question would be made at a subsequent meeting.
I now report that the change in practice recommended by the Senates does not include the recording of information as to the reason for which the grade of "E" is imposed as a consequence of academic irregularity. No such notation or explanation has been recorded in the case of the grade "DR."
This report was received for record.

UNIVERSITY OF ILLINOIS CENTENNIAL
(9) The University of Illinois was established by an Act of the General Assembly of Illinois which was approved by Governor Richard J. Oglesby on February 28, 1963. An average of 3.5 is the numerical equivalent of an average half way between B and C in the University's grading system of A, B, C, D, and E, with A the highest grade and E indicating failure.
1867. The first meeting of the first Board of Trustees was held in Springfield on March 12, 1867. The University opened on March 2, 1868. The name of the Illinois Industrial University was changed to "The University of Illinois" in 1885.

In order that the University may undertake the formulation of plans for the observance of the Centennial of its founding, I recommend that the Board of Trustees at this time officially designate the period February 28, 1967, to March 2, 1968, as the Centennial Year and that the President be authorized to make appropriate and suitable plans for its observance.

I further recommend that the class which will enroll in the fall of 1963 be designated as the "Centennial Class of the University of Illinois."

On motion of Mr. Swain, this recommendation was approved.

AUTHORITY TO EXECUTE CERTAIN CONTRACTS
(10) The General Rules Concerning University Organization and Procedure provide that contracts involving payments by the University in one fiscal year in excess of $2,500 shall be specifically authorized by the Board of Trustees, except that when an emergency exists the President is authorized to act, but must report his action to the Board of Trustees.

In the operation of the Assembly Hall, it will be necessary to enter into contracts for concerts, entertainments, and productions to be offered in the Assembly Hall. Expenditures under such contracts will be from funds received through sale of tickets or from other income of the Assembly Hall. There will be no commitment of the general University funds involved. In most cases, the fee will be the standard fee charged for the production.

Problems of scheduling and negotiation for such events and timing make it difficult to secure advance approval of the Board of Trustees on such contracts. It is therefore recommended that the Vice-President and Comptroller and the Secretary of the Board of Trustees be authorized to execute such contracts when approved by the President of the University.

I concur.

On motion of Mr. Hughes, authority was given as requested.

ATHLETIC ASSOCIATION ASSEMBLY HALL FURNITURE
(11) The Board of Directors of the Athletic Association has approved an assignment of $5,790 for the purchase of equipment for the Athletic Association offices to be located in the Assembly Hall.

Confirmation of this appropriation is requested.

On motion of Mr. Pogue, this assignment of funds was confirmed.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES
(12) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

**Urbana-Champaign**

1. College of Engineering
   Department of Civil Engineering, equipment to match a $25,000 grant from the National Science Foundation........................................ $ 35 100
   Departments of Mechanical and Industrial Engineering and Aeronautical and Astronautical Engineering, to match a $25,000 grant from the National Science Foundation for construction of a low-density, high-enthalpy, hypervelocity wind tunnel.......................... 35 000

2. College of Veterinary Medicine
   Department of Veterinary Pathology and Hygiene, building for additional animal holding facilities................................. 2 850

3. Physical Plant
   Building for physiological and nutritional research of sheep for the Department of Animal Science............................... 23 265
   Buildings and equipment for a milking parlor and a milk-handling room for the Department of Dairy Science....................... 22 500

   **Total.......................................................... $118 715**

I concur.
On motion of Mr. Swain, these recommendations were made by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

**CONTRACT AND APPROPRIATION FOR REROOFING ICE SKATING RINK**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $44,894 to Petry Roofing and Sheet Metal Company, Champaign, for replacing the present wood sheathing and roofing with new metal deck, insulation, and roof surfacing and incidental roof work at the Ice Skating Rink.

An assignment of $49,750 from the General Reserve is requested for this improvement. This figure includes, in addition to the contract price, architectural and engineering services, superintendence, insurance, and other administrative costs.

I concur.

On motion of Mr. Johnston, this contract was awarded; and on motion of Mr. Williamson, the requested assignment of funds was approved. These actions were taken by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

**CONTRACT FOR WIDENING AND REALIGNING OF BURRILL AVENUE BRIDGE**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $58,921.32 to Whetzel Construction Company, Champaign, the lowest bidder, for the reconstruction, including widening and realignment, of the Burrill Avenue Bridge over the Boneyard.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A proposed budget indicating the sources of funds is submitted herewith and a copy is filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

**CONTRACTS FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for an extension of the utilities distribution system to provide for diversion of steam conduit and electrical manholes and duct runs to service the Materials Research Laboratory, and steam conduits to service the new buildings for the Colleges of Commerce and Business Administration and Education, the award in each case being to the lowest bidder.

Construction of duct runs and manholes for diversion of utilities for Materials Research Laboratory (Division "QQ") — Cross Construction, Inc., Urbana ................................................. $48,302

Steam conduit for Commerce and Education Buildings (Division "KK") — William Adams Engineers, Inc., Chicago .................................................. 35,390

Steam conduit diversion for Materials Research Laboratory (Division "RR") — The J. A. Julian Company, Chicago ............................................. 56,995

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.
On motion of Mr. Hughes, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

**CONTRACT FOR RESETTING OF STONEWORK ON ILLINOIS NEUROPSYCHIATRIC INSTITUTE BUILDING**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $10,700 to Oman and Giden, Inc., Northfield, Illinois, the lowest bidder, for resetting of stonework along the ambulance drive on the Illinois Neuropsychiatric Institute building.

The work will include removing and resetting an extensive area of Indiana limestone used as facing along the ambulance drive which has been loosened by the weather, creating a hazardous condition.

Funds are available in the Physical Plant maintenance budget.

I concur.

On motion of Mr. Williamson, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

**CONTRACTS FOR REMODELING VARIOUS AREAS IN ILLINOIS NEUROPSYCHIATRIC INSTITUTE**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for miscellaneous remodeling in the Illinois Neuropsychiatric Institute, the award in each case being to the lowest bidder.

General — Ashland Construction Company, Chicago

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base bid</td>
<td>$30,956</td>
</tr>
<tr>
<td>Additive alternates</td>
<td></td>
</tr>
<tr>
<td>Service charge for supervision of other contracts</td>
<td>$1,000</td>
</tr>
<tr>
<td>Remodeling Rooms 281 and 282</td>
<td>$501</td>
</tr>
<tr>
<td>Remodeling Rooms 467 and 468</td>
<td>$3,344</td>
</tr>
<tr>
<td>Electrical revisions on fourth floor</td>
<td>$857</td>
</tr>
<tr>
<td>Remodeling Rooms 460, 460A, and 460B</td>
<td>$3,378</td>
</tr>
<tr>
<td>Remodeling second floor of Neurology area</td>
<td>$6,969</td>
</tr>
</tbody>
</table>

Plumbing — Ashland Plumbing and Heating Company, Chicago

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base bid</td>
<td>$5,510</td>
</tr>
<tr>
<td>Additive alternates</td>
<td></td>
</tr>
<tr>
<td>Rooms 460, 460A, and 460B</td>
<td>$3,850</td>
</tr>
<tr>
<td>Second floor Neurology area</td>
<td>$416</td>
</tr>
</tbody>
</table>

Electrical — Midwest Interstate Electrical Construction Company, Chicago

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base bid</td>
<td>$14,711</td>
</tr>
<tr>
<td>Additive alternates</td>
<td></td>
</tr>
<tr>
<td>Rooms 281 and 282</td>
<td>$118</td>
</tr>
<tr>
<td>Rooms 467 and 468</td>
<td>$1,180</td>
</tr>
<tr>
<td>Electrical revisions, fourth floor</td>
<td>$1,378</td>
</tr>
<tr>
<td>Rooms 460, 460A, and 460B</td>
<td>$587</td>
</tr>
<tr>
<td>Second floor Neurology area</td>
<td>$3,189</td>
</tr>
</tbody>
</table>

**Total Contracts**

$77,944

The work will include general remodeling in the patient care areas on the second, third, fourth, and fifth floors, including improvements in lighting, relocation of nurses' stations, and rehabilitation of toilet and bath facilities to improve patient care.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $77,944; and that an agreement be entered into with Ashland Construction Company for the assignment of these other contracts for $1,000 which amount is included in the contract price, being the amount bid by that Company.
for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released. A schedule of all bids received is submitted herewith.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

ADDITION TO CONTRACT FOR POWER SUPPLIES FOR MEDICAL CENTER CAMPUS

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $6,288 in a contract with C & H Electric Company, Chicago, awarded by the Board on October 17, 1962, for new power supplies for buildings on the Medical Center campus.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

ADDITION TO CONTRACT FOR ARCHITECTURAL SERVICES

(19) The firm of Graham, Anderson, Probst, and White, Inc., was employed for complete architectural services for the Electrical Engineering Building addition. The Director of the Physical Plant and the Vice-President and Comptroller recommend that the work covered by that contract be expanded to include professional services for preparation of construction documents, obtaining bids, and general supervision of the contractors' work to complete the air conditioning system for the original building, at an estimated cost of $5,000.

I concur.

On motion of Mr. Swain, extension of this contract was authorized.

PURCHASES

(20) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>175 rolls 16 mm. microfilm including processing; 5 by 5 acetate microfilm jackets to accommodate 17,500 case histories; mounting, indexing, labeling, and sorting of this material</td>
<td>Research and Educational Hospitals, Chicago</td>
<td>Great Lakes Microfilm Co., Chicago</td>
<td>$2,957.50 delivered</td>
</tr>
<tr>
<td>Approximately 6,215 gallons of x-ray solutions and maintenance service for manually operated x-ray film processing units for the period beginning July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement (Note: This purchase will be made from both Appropriated Funds, $2,250.00, and Institutional Funds, $1,760.15, for a total of $4,010.15.)</td>
<td>Medical Center, Various Departments, Chicago</td>
<td>Illinois Solution Service, Chicago</td>
<td>$2,250.00 delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Item</td>
<td>Department</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>University of Illinois Chicago Undergraduate Division publications for</td>
<td>Publications,</td>
<td>Commencement</td>
<td>Collegiate Cap &amp; Gown</td>
</tr>
<tr>
<td>1963-64 consisting of: Group A—6,000 student handbooks, 96 pages</td>
<td>Chicago Undergraduate</td>
<td>Co., Champaign, for Urbana</td>
<td>Co., Chicago, for</td>
</tr>
<tr>
<td>Group B—7,000 Profile, 24 pages</td>
<td>Division</td>
<td></td>
<td>Chicago</td>
</tr>
<tr>
<td>Group C—20,000 catalogs, approximately 168 pages plus six-page tip</td>
<td></td>
<td></td>
<td>(Group B)</td>
</tr>
<tr>
<td>insert</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rental of caps, gowns, and hoods for graduating students and faculty</td>
<td>Commencement</td>
<td>Rental of caps, gowns, and hoods for the June 15, 1963, commence-</td>
<td></td>
</tr>
<tr>
<td>members for the June 15, 1963, commencement; the estimated number of</td>
<td></td>
<td>ment; the estimated number of costumes required for the Urbana and</td>
<td></td>
</tr>
<tr>
<td>costumes required for the Urbana and Chicago campuses are:</td>
<td></td>
<td>Chicago campuses are:</td>
<td></td>
</tr>
<tr>
<td>1,733 bachelors</td>
<td></td>
<td>1,733 bachelors</td>
<td></td>
</tr>
<tr>
<td>337 masters</td>
<td></td>
<td>337 masters</td>
<td></td>
</tr>
<tr>
<td>267 doctors (Ph.D.)</td>
<td></td>
<td>267 doctors (Ph.D.)</td>
<td></td>
</tr>
<tr>
<td>195 doctors (M.D.)</td>
<td></td>
<td>195 doctors (M.D.)</td>
<td></td>
</tr>
<tr>
<td>95 doctors (D.D.S.)</td>
<td></td>
<td>95 doctors (D.D.S.)</td>
<td></td>
</tr>
<tr>
<td>One oscillator, backward wave sweeping, 8.2 to 12.4 kmc, power output</td>
<td>Electrical Engineering</td>
<td>One piano, grand, 7 ft. long, ebony finish, to be delivered to Smith</td>
<td>Emerson Piano House,</td>
</tr>
<tr>
<td>10 mw</td>
<td></td>
<td>Music Hall</td>
<td>Decatur</td>
</tr>
<tr>
<td>One computer, analog, demonstrator with new equipment warranty, inc-</td>
<td>Nuclear Engineering</td>
<td>One computer, analog, demonstrator with new equipment warranty, in-</td>
<td>Applied Dynamics, Inc.,</td>
</tr>
<tr>
<td>luding prewired console expandable to 24 amplifier-integrator system,</td>
<td></td>
<td>cluding prewired console expandable to 24 amplifier-integrator system,</td>
<td>Applied Dynamics, Inc.,</td>
</tr>
<tr>
<td>reference system, power supply, 20 turn pots wirebound, two amplifi-</td>
<td></td>
<td>reference system, power supply, 20 turn pots wirebound, two amplifi-</td>
<td>Detroit, Mich.</td>
</tr>
<tr>
<td>er modules, integrator network, six dual stabilizers, two multipliers,</td>
<td></td>
<td>er modules, integrator network, six dual stabilizers, two multipliers,</td>
<td></td>
</tr>
<tr>
<td>one drive unit, and three reset units</td>
<td></td>
<td>two multipliers, one drive unit, and three reset units</td>
<td></td>
</tr>
<tr>
<td>One plant growth laboratory, 78 in. long by 34¾ in. deep by 78 in.</td>
<td>Plant Pathology</td>
<td>One plant growth laboratory, 78 in. long by 34¾ in. deep by 78 in.</td>
<td>Sherer-Gillett Co.,</td>
</tr>
<tr>
<td>high, with controlled heating, cooling, and lighting, to be used for</td>
<td></td>
<td>high, with controlled heating, cooling, and lighting, to be used for</td>
<td>Marshall, Mich.</td>
</tr>
<tr>
<td>the studies of two biological systems: the host plant and the parasite</td>
<td></td>
<td>the studies of two biological systems: the host plant and the parasite</td>
<td></td>
</tr>
<tr>
<td>attaching it</td>
<td></td>
<td>attaching it</td>
<td></td>
</tr>
<tr>
<td>One building, lumber rigid frame type, 20 ft. by 20 ft., complete</td>
<td>Veterinary Medicine</td>
<td>One building, lumber rigid frame type, 20 ft. by 20 ft., complete</td>
<td>Hazen &amp; Franks, Inc.,</td>
</tr>
<tr>
<td>with concrete foundation and floor, overhead door and service door,</td>
<td></td>
<td>with concrete foundation and floor, overhead door and service door,</td>
<td>Tolono</td>
</tr>
<tr>
<td>to be constructed at Veterinary Research Farm, South Race Street,</td>
<td></td>
<td>to be constructed at Veterinary Research Farm, South Race Street,</td>
<td></td>
</tr>
<tr>
<td>Urbana</td>
<td></td>
<td>Urbana</td>
<td></td>
</tr>
<tr>
<td>Print and bind 25,000 copies Undergraduate Courses, 1963-64, appr-</td>
<td>University Press</td>
<td>Print and bind 25,000 copies Undergraduate Courses, 1963-64, appr-</td>
<td>Pantagraph Printing &amp;</td>
</tr>
<tr>
<td>oximately 240 pages per copy, trim size 6 in. by 9 in.</td>
<td></td>
<td>oximately 240 pages per copy, trim size 6 in. by 9 in.</td>
<td>Stationery Co., Bloom-</td>
</tr>
<tr>
<td>4,000 pounds anhydrous ammonia to be furnished and applied on appr-</td>
<td></td>
<td>4,000 pounds anhydrous ammonia to be furnished and applied on appr-</td>
<td>Hi-Yield Fertilizer Co.,</td>
</tr>
<tr>
<td>oximately 500 acres of corn land at the Dixon Springs Experiment</td>
<td></td>
<td>oximately 500 acres of corn land at the Dixon Springs Experiment</td>
<td>Murphysboro</td>
</tr>
<tr>
<td>Station at Robbs</td>
<td></td>
<td>Station at Robbs</td>
<td></td>
</tr>
<tr>
<td>Purchases from Institutional Funds</td>
<td></td>
<td>Purchases from Institutional Funds</td>
<td></td>
</tr>
<tr>
<td>One pacemaker for monitoring and controlling heart action in the car-</td>
<td>Agency for International Development (Faculty of Medicine, Chiangmai Hospital, Thailand)</td>
<td>Agency for International Development (Faculty of Medicine, Chiangmai Hospital, Thailand)</td>
<td>$ 2 875 00</td>
</tr>
<tr>
<td>Ten motorized variable height hospital beds with accessories includ-</td>
<td>Clinical Research,</td>
<td>Clinical Research, Hill-Rom Co., Inc., Batesville, Ind.</td>
<td>$ 5 239 00</td>
</tr>
<tr>
<td>ing safety sides, intravenous rods, and mattresses</td>
<td>Center, Chicago</td>
<td>Center, Chicago</td>
<td>delivered</td>
</tr>
<tr>
<td>Forty microscopes, less trade-in of thirty used microscopes</td>
<td>Medical Center, Chicago</td>
<td>Medical Center, Schiller Park</td>
<td>$ 9 135 00</td>
</tr>
<tr>
<td>One infrared spectrophotometer with three cells</td>
<td>Physical Sciences,</td>
<td>One infrared spectrophotometer with three cells</td>
<td>Wilkens Anderson,</td>
</tr>
<tr>
<td>(Note: This purchase will be made from both Institutional Funds, $5,122.00, and Appropriated Funds, $18.00, for a total of $5,140.00.)</td>
<td>Chicago Undergraduate Division</td>
<td>(Note: This purchase will be made from both Institutional Funds, $5,122.00, and Appropriated Funds, $18.00, for a total of $5,140.00.)</td>
<td>$ 5 122 00</td>
</tr>
</tbody>
</table>
One computer, analog, basic unit including pre-wired console, ten operational amplifiers, four integrators, ten potentiometers, power supply, reference system, readout patching module, patch panel and kit, and service shelf.

One high-speed repetitive operation group

One function switch group

One coefficient setting potentiometer group

One automatic counting system for counting solid beta by scintillation detection, consisting of a sample changer, print-out timer, gas low detector, Q-gas cylinder, lead shielding, and binary scaler.

Seven instrumentation laboratories used to teach courses for scientists in electronics and instrumentation and research.

(Note: This purchase will be made from both Institutional Funds, $4,477.50, and Appropriated Funds, $1,791.00, for a total of $6,268.50.)

One multiple sample absorbance recorder for use in research work directed toward a study of microbial metabolism both at the whole cell and enzyme levels.

One spray etcher including extra work holding rack and titanium cooling coil with controls installed. This equipment is for producing printed electronic circuit boards.

Four power supplies, D.C., regulated: output: 0-12 volts, 0-100 amps; 1% per cent regulation. 24 amps A.C. input; 50-60 cps; sirk 8%. in. high, 19 in. wide, 20 in. deep behind front panel.

500 cartons (3,000 sets per carton) forms, single part 14 5/8 in. by 11 in. including marginal guide strip. to be shipped in lots of 20 to 80 cartons per shipment, as needed, between March and August, 1963.

One magnetic core 4,096 word memory system, with physical and electrical provisions for expansion to 8,192 word system; and option to purchase accessories within one year to expand the original equipment to a 8,192 word system (option to purchase accessories, $48,500.00 f.o.b. delivered).

One power supply, D.C., 20 kv output, 13 amp, 4160v input, 3 phase, 60 cycle.

One milling machine, horizontal, tool room type with floor space approximately 48 by 56, less trade-in of horizontal milling machine equipment.

One spare parts kit.

One module tester for Packard Bell PB250 Digital Computer.

Two oscillators, quartz, precision, five parts in 10^8 per day stability.

Two power supplies, standby, for above.

Six crystals, 5 in. diameter ± 0.001 in. X-cut quartz, free of optical and electrical defects-to resonate in free fundamental thickness mode at 1,000 MC/sec, fine-ground, crystals intended for use in harmonics, two only to be plated with chromium and gold coating to 3/4 in. of edge.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One particle size analyzer and accessories, consisting of the main instrument, set of 48 individual counters, soft plastic cover, foot switch and step-up transformer</td>
<td>Geology</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$ 3 145 00</td>
</tr>
<tr>
<td>One interference microscope with built-in illuminator, attachable mechanical stage and accessories</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>7 163 00</td>
</tr>
<tr>
<td>456 printed circuit (electrical) boards</td>
<td>Physics</td>
<td>Keil Engineering Products, Inc., St. Louis, Mo.</td>
<td>3 399 00</td>
</tr>
<tr>
<td>Sheet-metal housings for electronic counting system, consisting of 100 manifolds and 500 modules</td>
<td>Physics</td>
<td>Craftman Sheet Metal, Inc., Franklin Park</td>
<td>7 930 00</td>
</tr>
<tr>
<td>100 manifolds and 500 modules to be purchased at once, with option to purchase up to identical quantities at the same unit prices within eighteen months of first delivery</td>
<td>Physics</td>
<td>The Perkin-Elmer Corp., La Grange</td>
<td>4 860 00</td>
</tr>
<tr>
<td>One used spectrophotometer with power supply, recorder, sodium chloride and calcium fluoride prisms, and a vacuum thermocouple detector with potassium bromide window; six months new guarantee; to be used in physics research on shallow trapping levels in silver and alkali halides</td>
<td>Veterinary Medicine</td>
<td>Scientific Products Division, American Hospital Supply Corp., Evanston</td>
<td>6 825 00</td>
</tr>
<tr>
<td>One Coulter Counter B with vacuum pump, automatic size distribution plotter, one gross plastic vials, and one bottle of saponin for 30,000 determinations, to be used in cancer research on cattle and pigs</td>
<td>Physical Plant</td>
<td>Veomans Distributing Co., Peoria</td>
<td>44 261 90</td>
</tr>
<tr>
<td>Print and bind 5,000 copies of <em>Mass Communications</em>, by Wilbur Schramm, approximately 708 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Edwards Brothers, Inc., Ann Arbor, Mich.</td>
<td>7 396 00</td>
</tr>
<tr>
<td>One lot laboratory equipment including one electrophoresis apparatus, one densitometer, one integrator, and one microscope with accessories</td>
<td>Agency for International Development (India)</td>
<td>Fisher Scientific Co., New York, N.Y.</td>
<td>2 844 52</td>
</tr>
<tr>
<td>Thirty-seven drapery units complete with hardware and installed</td>
<td>Assembly Hall</td>
<td>Art Drapery Studios, Inc., Chicago</td>
<td>2 700 70</td>
</tr>
<tr>
<td>288 (approximately) window air-conditioning units of various cooling capacities to be furnished as required during period April 1, 1963, to November 1, 1963</td>
<td>Physical Plant</td>
<td>Yeomans Distributing Co., Peoria</td>
<td>44 261 90</td>
</tr>
<tr>
<td>One truck, fork lift, electric-powered, walking type, 2,000 pound capacity, complete with batteries and charger</td>
<td>Physical Plant</td>
<td>Allied Equipment Co., Peoria</td>
<td>2 962 69</td>
</tr>
<tr>
<td>One truck, 1963 model, 9,800 pounds, gvw, with van body; less trade-in of 1959 model truck with grain body</td>
<td>Physical Plant</td>
<td>University Ford Sales, Champaign</td>
<td>1 690 00</td>
</tr>
<tr>
<td>One truck, 1963 model, 19,500 pounds, gvw, with grain and stake body; less trade-in of 1959 model truck with flat bed and hoist</td>
<td>Physical Plant</td>
<td>Gregory Ford Co., Decatur</td>
<td>2 578 89</td>
</tr>
<tr>
<td>One truck, 1963 model, 7,000 pounds, gvw, with utility body; less trade-in of 1958 model station wagon, four-door</td>
<td>Physical Plant</td>
<td>International Harvester Co., Springfield</td>
<td>1 898 00</td>
</tr>
</tbody>
</table>

Note: The cost amounts are in dollars and cents, with f.o.b. (free on board) deliveries indicated as necessary.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eighteen 1963 four-door sedans, less trade-in of eighteen 1961 four-door sedans</td>
<td>Physical Plant Section, State Natural History Survey</td>
<td>Courtesy Motor Sales, Inc., Chicago (Ford)</td>
<td>$23,374.94</td>
</tr>
<tr>
<td>One 1963 four-door sedan police car, less trade-in of 1962 model police car</td>
<td>Agriculture &amp; Engineering</td>
<td>University Ford Sales, Champaign</td>
<td>$7,405.99</td>
</tr>
<tr>
<td>Three 1963 four-door station wagons, less trade-in of one 1961 and two 1960 four-door station wagons</td>
<td></td>
<td>Carl Chevrolet Co., Springfield</td>
<td>$2,190.00</td>
</tr>
<tr>
<td>Two 1963 four-door station wagons</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two 1963 trucks, less trade-in of 1958 and 1951 trucks</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three 1963 carryall trucks, less trade-in of one 1951 pick-up truck and one 1957 carryall</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Note: This purchase will be made from both Institutional Funds, $37,484.96, and Appropriated Funds, $1,857.96, for a total of $39,342.92.)

Summary of Purchases Recommended

| From Appropriated Funds | $57,599.40 |
| From Institutional Funds | $364,232.41 |
| Grand Total | $421,831.81 |

On motion of Mrs. Watkins, these purchases were authorized.

**COMPTROLLER'S REPORT OF CONTRACTS**

(21) The Comptroller's report of contracts executed during the period February 1 to 28, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palatine Park District</td>
<td>Long-range plan for public parks and recreation in the district</td>
<td>$750.00</td>
<td>December 11, 1962</td>
</tr>
<tr>
<td>United States Army DA-AMC-36-039-63-G2</td>
<td>Investigation of water droplet coalescence</td>
<td>$48,000.00</td>
<td>November 1, 1962</td>
</tr>
<tr>
<td>United States Army DA-31-124-ARO (D)-66</td>
<td>Influence of residual stresses and heterogeneous yielding on brittle fracture</td>
<td>$29,000.00</td>
<td>February 4, 1963</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2389</td>
<td>Development of radio tracking techniques and equipment for use on rats in Malaya</td>
<td>$7,727.00</td>
<td>January 17, 1963</td>
</tr>
<tr>
<td>United States Navy 01L-83-B4915</td>
<td>Use of five videotapes for instruction of students at Military Academy at West Point</td>
<td>$2,928.58</td>
<td>January 10, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1)-1290</td>
<td>Evaluate the research reactor program of the National Nuclear Energy Commission</td>
<td>$3,800.00</td>
<td>January 15, 1963</td>
</tr>
<tr>
<td>United States Department of Agriculture 12-14-100-66556(44)</td>
<td>Differences in muscular development and carcass value of beef cattle</td>
<td>$20,968.00</td>
<td>December 18, 1962</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-10-075</td>
<td>English programs in selected high schools which do and do not educate outstanding students in English</td>
<td>$119,537.00</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td>United States Navy NObs-88283</td>
<td>Low-cycle, high-stress fatigue behavior of materials and structural components of steels typical of ship applications</td>
<td>$30,000.00</td>
<td>January 1, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr(G)-00021-63</td>
<td>Acquisition of a high-speed electronic digital computer</td>
<td>$94,000.00</td>
<td>December 19, 1962</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$356,710.58</td>
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<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Heffernan</td>
<td>Render services in the role of Piper Helman in the play &quot;The Man with the Oboe&quot;</td>
<td>$1,671.00</td>
<td>January 18, 1963</td>
</tr>
</tbody>
</table>
Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Deere Co.</td>
<td>Rental of farm machinery: one lift plow</td>
<td>$ 27 42 (annual rental)</td>
<td>October 18, 1962</td>
</tr>
<tr>
<td>International Business</td>
<td>Two items: two key punches</td>
<td>1 056 00 (annual rental)</td>
<td>February, 1963</td>
</tr>
<tr>
<td>Machines Corp.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>George Maxwell</td>
<td>One dairy barn, one hog barn, two loafing sheds, and one paved lot to be used in research study entitled &quot;The Leukemia-Lymphosarcoma Syndrome of Cattle and Swine&quot;; February 1 through June 30, 1963</td>
<td>750 00 (150 00 per month)</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$1 833 42</td>
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Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battle Creek Equipment Co.</td>
<td>Changes induced in various physical fitness measures by dynamic exercises for conditioning purposes</td>
<td>$1 200 00</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td>Research Council</td>
<td>Multiple panel reinforced concrete floor slabs</td>
<td>8 000 00</td>
<td>September 1, 1962</td>
</tr>
<tr>
<td>State of Illinois,</td>
<td>Relationship of neonatal hypoglycemia to neurological damage in prematurely born infants</td>
<td>33 670 00</td>
<td>October 1, 1962</td>
</tr>
<tr>
<td>Department of Mental</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Project 17-130</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>United States Agency for</td>
<td>Assisting Uttar Pradesh Government in the organization and development of a United States land-grant type of university</td>
<td>180 000 00</td>
<td>October 16, 1962</td>
</tr>
<tr>
<td>International Development</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIDC-1258-3</td>
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<td></td>
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</tr>
<tr>
<td>United States Army</td>
<td>Experimental ketosis in man</td>
<td>27 972 00</td>
<td>January 31, 1963</td>
</tr>
<tr>
<td>DA-49-193-MD-2222</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Navy</td>
<td>Design and development of selected computer components</td>
<td>30 000 00</td>
<td>January 14, 1963</td>
</tr>
<tr>
<td>Nonr-1834 (15)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$280 842 00</td>
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Adjustments Made in 1962-63 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry F. Fisher (Plastering)</td>
<td>Twenty-nine items: $259.22 deduct to $645.00</td>
<td>$ 2 458 74</td>
<td>January 14, 1963</td>
</tr>
</tbody>
</table>

Summary

Amount to be paid to the University ................................................................. $637 552 58
Amount to be paid by the University ................................................................. $ 963 16

This report was received for record.

UNIVERSITY OF ILLINOIS ASSEMBLY HALL NAME

(22) Following discussions in newspapers of proposals for a change in the name of the University of Illinois Assembly Hall, the Student Senate on the Urbana-Champaign campus sponsored a poll of student preferences as to several new names suggested. The report of this poll has been submitted to the President of the University and copies have been sent to the members of the Board of Trustees by the Secretary. The report made no recommendation except to point out that the poll would indicate a preference, of the students who voted, for a prefix to the name "Assembly Hall." (Off campus, the present prefix is, of course, "The University of Illinois.")

It will be recalled that the name "Assembly Hall" was given to this multipurpose building by the Board of Trustees when it approved the project several years ago; later, the Committee on Buildings and Grounds formally confirmed the name. Among the points made to the Committee at that time, from a staff report on the subject, were:

Since the building is to serve a variety of needs, the name should reflect such multiple use.

In discussions by the Board of Trustees concerning naming of University buildings, emphasis has been given to the desirability of functional names instead of names for individuals.
Since the Assembly Hall is financed by fees and income-producing events, it would seem inappropriate to adopt a name which would indicate that the building is a memorial to one person.

Experience has indicated that names of buildings may be changed if there are sufficient reasons to warrant such action. As the functional uses of the Assembly Hall may develop in the future, the name selected first may need to be changed later.

This project, identified as "Assembly Hall," has received nationwide publicity because of its design. There is considerable value in this publicity, particularly in view of the fact that every effort must be made to attract large conferences and conventions to increase the revenue available for operating costs.

Reactions to the name "Assembly Hall" appear to have been favorable and no objections have been raised to this name which implies a multiple purpose building.

The naming of University buildings is a function of the Board of Trustees. Under the Board's procedures, recommendations are received from the President of the University. In arriving at recommendations, the President consults the Executive Committee of the University Council and other committees and officers whose responsibilities may be involved.

I have no recommendation on this subject at this time but if the Board of Trustees wishes to have further study of the desirability of a change and a specific recommendation in connection therewith, I shall be glad to submit a report following the usual consultations.

Mr. Pogue asked that consideration be given to naming the Assembly Hall in memory of the late Coach Robert C. Zuppke, but added that he would not present a formal motion for such change in name if it was the consensus of the Board that no change be made at this time.

Mr. Johnston and Mr. Williamson expressed their opinions that any action to change the name be deferred.

On motion of Mr. Johnston, the President's report was accepted and received for record. Mr. Pogue asked to be recorded as not voting.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; cancellations, declinations, resignations, and terminations; leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

Asgar, Mohd. Ali, Assistant in Ophthalmology (Medicine), one year from July 1, 1962, without salary (3-4-63).

Bass, Alan R., Research Associate in Psychology, 1/4 time, $800; and Research Associate in Recreation (College of Physical Education), 1/2 time, $1,200, February 1-May 31, 1963 (2-18-63).

Bay, Edwin, Adviser to Director of Extension U. P. Agricultural University, Pantnager, India, for service under Contract ICA-1258, two years from April 1, 1963, $13,255 a year (2-12-63).


Blount, Wilbur C., Assistant in Ophthalmology (Medicine), six months from January 1, 1963, without salary (3-4-63).

BoenKamp, Robert W., Instructor in General Engineering (C), 1/4 time, June 16-August 15, 1963, $592; this is in addition to his present appointment and to his Summer Session appointment on 1/2 time (3-4-63).

Bos, William G., Research Associate in Chemistry, February 16-August 31, 1963, $6,300 a year (2-27-63).

Carter, Clifford E., Research Engineer in the Digital Computer Laboratory, six months from March 1, 1963, $9,300 a year, supersedes his nonacademic appointment (2-20-63).
CHACKO, CHERUVATHUR L., Research Assistant in Plant Pathology (S), one month from February 1, 1963, $416.67, supersedes (2-14-63); and six months from March 1, 1963, $5,850 a year, supersedes (2-8-63).

CHADDO, ROBERT E., Instructor in Business English, Summer Session of 1963, ¼ time, June 17-August 10, 1963, $612 for the period (2-14-63).

DAVIS, D. DWIGHT, Lecturer in Anatomy (Medicine), March 18-August 30, 1963, without salary (2-27-63).

DE MAINE, PAUL A. D., Visiting Scientist in Chemistry, one year from September 1, 1963, $9,600 (3-6-63).

DYSAHT, MARGARET, Associate Pharmacognosy and Pharmacology Research in Pharmacy, five months from April 1, 1963, $6,500 a year, supersedes (2-20-63).

EICHER, DANIEL, Visiting Lecturer in Music, Summer Session of 1963, June 17-August 10, 1963, $3,000 for the period (3-4-63).

FAULXNER, W., Research Associate in Motion Picture Services (College of Journalism and Communications), February 8, 1963-April 30, 1964, $6,600 a year (2-20-63).

FORBES, ANDREW E., Research Associate in Pediatrics (Medicine), ½ time, eight months from January 1, 1963, $2,500 (3-8-63).

FROVA, ANDREA, Research Associate in Electrical Engineering (S), one year from September 1, 1963, $9,000 (3-1-63).

GARVEY, JOHN C., Professor of Music, Summer Session of 1963, June 17-August 10, 1963, $1,189 for the period (3-4-63).

GAVORET, J. G., Research Associate in Physics (C), September 16, 1963-August 31, 1964, $7,500 a year (2-26-63).

GERMANO, ALFONSO, Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (2-20-63).

GIESELMAN, ROBERT D., Instructor in Business English, Summer Session of 1963, ½ time, June 17-August 10, 1963, $567 for the period (2-14-63).

GRIESENFELD, B., Clinical Instructor in Radiology (Medicine), 3/10 time, six months from March 1, 1963, $4,320 a year, supersedes (2-14-63).

GRUBB, EUGENE L., Instructor in Physical Chemistry, to render service during the second semester of the academic year, March 1-August 31, 1963, $3,000, supersedes (2-27-63).

GRUSH, HUBERT L., Research Assistant in Electrical Engineering (S), one month from March 1, 1963, $5,200 a year, and five months from April 1, 1963, $5,500 a year, supersedes (3-6-63).

GUTT, PATRICK, Research Assistant in Chemistry, three months from February 1, 1963, $488.88 a month (2-11-63).

HAIG, ROBERT L., Associate Professor of English, Summer Session of 1963, June 17-August 10, 1963, $2,112 for the period (2-14-63).

HANSCOM, DONALD H., Instructor in Medicine (Medicine), 55/100 time, six months from March 1, 1963, $5,000 a year, supersedes nonsalaried appointment (2-25-63).


HARLAN, JAMES R., Senior Research Engineer, Department of Physics (C), six months from March 1, 1963, $10,100 a year, supersedes nonacademic appointment (2-20-63).

HOLZER, HELLFRIED P., Associate Professor of Accountancy, Summer Session of 1963, June 17-August 10, 1963, $2,223 for the period (2-14-63).

HUNDEBY, JOHN, Research Assistant Professor of Psychology, March 1-August 31, 1963, $7,950 a year, supersedes (2-15-63).

JOHNSON, MRS. CHARLOTTE K., Instructor in Speech and Theatre, ½ time, to render service during the second semester of the academic year, March 1-August 31, 1963, $3,300 a year (2-8-63).

JORGENSEN, DONALD R., Assistant in Ophthalmology (Medicine), nine months from October 1, 1962, without salary (3-4-63).

KEEN, MARIA, Instructor in English, Summer Session of 1963, June 17-August 10, 1963, $1,178 for the period (2-14-63).

KENDALL, JOHN, Research Assistant Professor of Psychology, March 1-August 31, 1963, $7,950 a year, supersedes (2-15-63).

KEEN, MARIA, Instructor in English, Summer Session of 1963, June 17-August 10, 1963, $1,178 for the period (2-14-63).

KEEN, MARIA, Instructor in English, Summer Session of 1963, June 17-August 10, 1963, $1,178 for the period (2-14-63).

KENDALL, JOHN, Research Assistant Professor of Psychology, March 1-August 31, 1963, $7,950 a year, supersedes (2-15-63).

LAWWILL, THEODORE, Assistant in Ophthalmology (Medicine), six months from January 1, 1963, without salary (3-4-63).

LAWWILL, THEODORE, Assistant in Ophthalmology (Medicine), six months from January 1, 1963, without salary (3-4-63).

LONGABAUGH, THOMAS B., Clinical Instructor in Medicine (Medicine), March 1-August 31, 1963, without salary (2-19-63).

LORD, WILLIAM J., JR., Assistant Professor of English, Summer Session of 1963, ½ time, June 17-August 10, 1963, $845 for the period (2-14-63).

MATSUMOTO, (MR.) YORIMI, Research Assistant in Physiology and Biophysics, seven months from February 1, 1963, $4,900 a year (2-12-63).

METZGER, ERIKA, Instructor in German, February 1-June 15, 1963, $2,400 (2-27-63).

MICHEL, PIERRE E. J., Visiting Lecturer in English, Summer Session of 1963, ½ time, June 17-August 10, 1963, $656 for the period (2-14-63).

MILLET, STANTON, Assistant Professor of English, Summer Session of 1963, June 17-August 10, 1963, $1,667 for the period, supersedes previous Summer Session appointment (2-14-63).

MIYASHIRO, JANE Y., Research Associate in Education (University High School), ½ time, to render service during the second semester of the academic year, March 1-August 31, 1963, $3,900 a year, supersedes (2-19-63).

MOAKE, FRANK, Assistant Professor of English, Summer Session of 1963, June 17-August 10, 1963, $1,789 for the period, supersedes previous Summer Session appointment (2-14-63).

MORGAN, ROBERT E., Assistant in Civil Engineering Summer Surveying Camp, Summer Session of 1963, June 17-July 20, 1963, $750 for the period (2-22-63).

MUNTER, H. STEEN, JR., Assistant in the Institute of Aviation, February 1-June 15, 1963, $450 a month (2-8-63).

OFFER, DWIGHT F., Instructor in the Institute of Aviation, six months from March 1, 1963, $8,000 a year, supersedes (2-20-63).

ORE, J., Assistant Research Engineer, Department of Electrical Engineering (S), six months from March 1, 1963, $10,500 a year (2-20-63).

ORMISTON, EMMETT F., Associate Professor of Dairy Husbandry (Dairy Science) for service in India at the Banaras Hindu University, Varanasi, U. P., under Contract ICAC-1453 with the International Cooperation Administration, from February 15, 1963, through August 31, 1963, $12,800 a year; and, Associate Professor of Dairy Husbandry (Dairy Science), in the College of Agriculture, on indefinite tenure from September 1, 1963, supersedes (2-12-63).

PETTERSON, DAVID E., Assistant Professor in the Graduate School of Business Administration (College of Commerce and Business Administration), to render service during the second semester of the academic year, March 1-August 31, 1963, $4,000, supersedes (2-8-63); and in the Summer Session of 1963, June 17-August 10, 1963, $1,778 for the period (2-12-63).

PINK, PAUL, Research Associate in Biological Chemistry (Medicine), six months from March 1, 1963, $7,500 a year (2-25-63).


ROBERTS, LEO J., Assistant in Ophthalmology (Medicine), six months from January 1, 1963, without salary (3-4-63).

RUSSELL, GEORGE A., Associate Professor of Physics, ½ time, indefinite tenure, and Associate Director of the Materials Research Laboratory, ½ time, March 1-August 31, 1963, to render service during each academic year, $13,500 a year, supersedes (3-6-63).

RYAN, WILL G., Instructor in Medicine (Medicine), six months from March 1, 1963, $8,000 a year (2-14-63).
SECTER, IRVING, Assistant Professor of Clinical Dentistry (Dentistry), six months from March 1, 1963, $8,500 a year, supersedes (3-6-63).

SHAUGHNESSY, HOWARD L., Professor of Public Health and Preventive Medicine on the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/TW-2, from February 24, 1963, through March 25, 1963, $24,613 a year; and Professor of Public Health and Head of the Department, at the Medical Center, Chicago, on indefinite tenure from March 26, 1963 (2-6-63).

SHIPLEY, JAMES R., Professor of Art, Summer Session of 1963, June 17-August 10, 1963, $3,845 for the period (2-22-63).

SIEMENS, JOHN C., Instructor in Agricultural Engineering (S), seven months from February 1, 1963, $7,400 a year, supersedes (3-8-63).

SLATT, BERNARD, Assistant in Ophthalmology (Medicine), eleven months from August 1, 1962, without salary (3-4-63).

STERN, MRS. RUTH S., Research Associate in Psychology, ½ time, February 16-August 31, 1963, $275 a month (3-1-63).

SUON, ELIESER B., Assistant in Ophthalmology (Medicine), ten months from September 1, 1962, without salary (3-4-63).

TRIFFO, RONALD P., Research Assistant in Civil Engineering (S), February 1-April 15, 1963, $488.89 a month, supersedes (2-13-63).

TRoTT, B. DALE, Research Associate in Metallurgical Engineering (C), ½ time, one month from February 1, 1963, $300, and ¾ time, March 1-June 15, 1963, $450 a month, supersedes (2-14-63).

UZGIRIS, MRS. INA C., Research Associate in Psychology, seven months from February 1, 1963, $6,000 a year (3-4-63).

VAISER, ALBERT, Assistant in Ophthalmology (Medicine), one year from July 1, 1962, without salary (3-4-63).

VICKERS, PAMELA, Instructor in Medical Social Work (Medicine), ½ time, February 19-August 31, 1963, $3,800 a year (2-20-63).

WANG, KWANG-SHI, Research Engineer in Astronomy, six months from March 1, 1963, $8,850 a year (2-8-63).

WILKINS, JAMES L., Instructor in Sociology (Chicago Undergraduate Division), ¾ time, to render service during the second semester of the academic year, February 1-June 30, 1963, $450 a month (2-20-63).

YAPP, WILLIAM W., Professor of Dairy Science (C and S), ½ time, seven months from February 1, 1963, $4,656 a year (3-1-63).

GRADUATE FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)


Busta, Francis F., United States Public Health Service Predoctoral Fellow in Food Technology, one year from February 1, 1963, $2,700 (2-28-63).


Christensen, James Jr., Office of Vocational Rehabilitation Fellow (Trainee) in Education, February 1-June 15, 1963, $1,000 (2-5-63).

Gilman, Alice, United States Public Health Service Fellow (Trainee) in Microbiology, seven months from February 1, 1963, $1,750 (2-7-63).

Kaney, Anthony R., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from February 1, 1963, $1,750 (2-6-63).


Laursen, Richard A., United States Public Health Service Predoctoral Fellow in Chemistry, one year from February 1, 1963, $2,000; this is in addition to his assistantship in Chemistry on 15/100 time (2-28-63).
LAWDER, SUE A., Grolier-Americana Fellow in Library Science, two months from June 16, 1963, $375 (2-8-63).

LOCKE, ROBERT P., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, February 1-June 15, 1963, $2,437.52 (1-29-63).

MANDY, WILLIAM J., United States Public Health Service Fellow (Trainee) in Microbiology, February 1-June 15, 1963, $1,200 (2-8-63).

MENKEL, HENRY, Eastman Kodak Company Teaching Fellow in Electrical Engineering, February 1-June 15, 1963, $1,000 (2-15-63).

MOSIMANN, ELLA B., Office of Vocational Rehabilitation Fellow (Trainee) in Education, February 1-June 15, 1963, $1,000 (2-5-63).

MUNDAY, JOHN C., United States Public Health Service Fellow (Trainee) in Biophysics, February 1-September 15, 1963, $1,666.27 (2-5-63).

PALMER, JERRY L., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from February 1, 1963, $1,750 (2-7-63).

POWELL, FRANKLIN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $4,407.50, supersedes (1-29-63).


WARD, LINDA G., Office of Vocational Rehabilitation Fellow (Trainee) in Education, February 1-June 15, 1963, $1,000 (2-5-63).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

CARLSON, LEE, DOROTHY, Research Assistant in Physics — declination effective September 1, 1962.

CHADWICK, LEIGH E., Head of the Department of Entomology — resignation effective September 1, 1963.

CICENAS, ZINNIA, Assistant Chief Pharmacist in the Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy) — resignation effective February 7, 1963.

CLARKE, ROBERT W., Fellow in Accountancy — resignation effective June 16, 1963.

CRAWFORD, ISABELLE M., Lecturer in Health Education — declination effective September 16, 1962.

DACHOWSKI, MARJORIE M., Clinical Counselor in the Student Counseling Service, with rank of Instructor — cancellation effective September 1, 1962.

DANIELZADEH, ALBERT, Research Assistant in Biological Chemistry (Medicine) — resignation effective January 15, 1963.

DENNEN, DAVID, Research Assistant in Biological Chemistry (Medicine) — resignation effective February 1, 1963.

DESHPANDE, VITHAL N., Research Associate in Plant Pathology — resignation effective March 1, 1963.

DORFMEISTER, JOHN, Research Assistant in the Statistical Service Unit (Provost's Office) — resignation effective March 1, 1963.

DOUGLAS, STEPHEN A., James W. Garner Fellow in Political Science — resignation effective April 1, 1963.

DUNKIN, MICHAEL J., Fellow in Education — resignation effective February 1, 1963.

FLUCK, DOROTHEA I., Research Assistant in Microbiology — resignation effective February 14, 1963.

FOOTE, BEVERLY D., Research Associate in Chemistry — resignation effective February 1, 1963.

FORSTER, MERLIN H., Assistant Professor of Spanish, Summer Session of 1963 — declination effective June 17, 1963.

GILMAN, ALICE, United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective February 1, 1963.

GOMBOS, EDWARD A., Assistant in Physical Education for Men — resignation effective February 1, 1963.

JUNKER, DARREL D., Assistant in Animal Science — resignation effective February 1, 1963.

KIM, SUN C., Wright Fellow in Food Technology — resignation effective February 1, 1963.

LANYON, CARMEN M., Teaching Fellow in Spanish — resignation effective February 1, 1963.
LEAVES OF ABSENCE

ALEXANDER, CHARLES S., Associate Professor of Geography — leave of absence, without pay, from March 1, 1965, through February 28, 1966, so that he may accept a lectureship on the faculty at the University of Cape Town.

BAYLOR, CALVIN E., County Extension Staff Member in Shelby and McHenry Counties — leave of absence, with full pay, for six months from March 1, 1963, for the purpose of study.

BRENNAN, MRS. HELEN B., Assistant Professor of English and Chairman of English for Foreign Students — disability leave of absence, with full pay, March 1, 1963, through June 30, 1963, and leave without pay from July 1, 1963.

FIEDLER, FRED E., Professor of Psychology — leave of absence, without pay, September 1, 1963, through August 31, 1964, so that he may accept a Ford Foundation Faculty Fellowship.

GILLETTE, MRS. NEDRA A., Instructor in Occupational Therapy, in the College of Medicine — leave of absence, without pay, from April 6 through June 30, 1963, so that she may travel to England.
GLASER, DANIEL, Professor of Sociology—leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a visiting professor at Arizona State University.

HEINS, MAURICE H., Professor of Mathematics—leave of absence, without pay, for one year from September 1, 1963, so that he may accept an appointment as a Visiting Professor of Mathematics at the University of California in Berkeley.

O'CONNOR, DENNIS M., Assistant Professor of Law—leave of absence, without pay, for one year from September 1, 1963.

PRICE, LEONARD H., Assistant Professor of Art—leave of absence, without pay, for one year from September 1, 1963, for the purpose of study at the Rochester Institute of Technology of Rochester, New York.

SMOOT, RONALD L., Instructor in Mechanical Engineering, in the College of Engineering—leave of absence, without pay, extended to September 1, 1963, so that he may continue to devote full time to his graduate studies under a National Science Foundation Science Faculty Fellowship.

SPENCE, CLARK C., Associate Professor of History—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a faculty fellowship for Social Science Research on Business offered him by the Ford Foundation.

VAN BORTEL, DOROTHY G., Research Associate in Pedodontics, in the College of Dentistry—leave of absence, without pay, from February 18 through March 24, 1963.

WALKER, LEONARD D., Professor of General Engineering—disability leave of absence, with full pay, for the second semester of 1962-63.

TRIBUTE TO CLARENCE W. WELDON

Following the election of Robert R. Manchester as the new Treasurer of the Board to succeed Mr. C. W. Weldon, on motion of Mr. Swain, the Board voted to enter in its records an expression of appreciation of Mr. Weldon's services as Treasurer during the past twelve years. Mr. Kenney E. Williamson now offered the following resolution:

To Mr. Clarence W. Weldon:

The Board of Trustees of the University of Illinois expresses and records its grateful appreciation of your services as an officer of this Board.

In your twelve years as Treasurer of the Board of Trustees and of the University, you have had the respect and confidence of all members of the Board, past and present, and of other officers in the University Administration for your devotion to your post, for your judgment, your patience, and complete integrity in all relationships. You have served the Board and the University with distinction and with generosity of your time.

The President and other administrative officers of the University desire to join the Trustees in this expression of appreciation of your service as an officer of the Board of Trustees of the University of Illinois. We look forward to your continued interest in the affairs of your Alma Mater and we extend to you and Mrs. Weldon our best wishes for the years ahead.

The Board of Trustees directs that this resolution be incorporated in the minutes of today's meeting to become a part of the official public record, and that a suitable copy be given you as a permanent reminder of the esteem and affection in which you are held.

The resolution was unanimously adopted.

REQUEST OF ELIZABETH KROHNE

Miss Elizabeth Krohne, an undergraduate student, appeared before the Board and distributed an open letter from twenty-five students addressed to the Board of Trustees concerning the case of Dr. Leo F. Koch, former Assistant Professor of Biological Sciences, and requested an opportunity to address the Board on the subject.

On motion of Mrs. Watkins, the Board voted that its action be
limited to receiving the letter, a copy of which has been filed with the Secretary.

**FUTURE MEETINGS**

President Clement announced that the April meeting will be held in Urbana, as previously scheduled, on Wednesday, April 17.

The May meeting is scheduled for Wednesday, May 15. It was the consensus of the Board that this meeting be held in Chicago at the Medical Center and it was so ordered by the President of the Board.

The June meeting is scheduled for Wednesday, June 19. On invitation of Mr. Swain and Mr. Williamson, the Board agreed to hold this meeting in Peoria and it was so ordered by the President of the Board.

**MEETING OF ASSOCIATION FOR HIGHER EDUCATION**

Mrs. Watkins presented a report on the meeting of the Association for Higher Education in Chicago, March 3 to 6, which she attended as one of the representatives of the University of Illinois and also as a Regional Director of the Association of Governing Boards of State Universities and Allied Institutions.

**RECESS**

On motion of Mrs. Watkins, the Board recessed for luncheon. During the recess, Dean Theodore Peterson of the College of Journalism and Communications addressed the Board on the programs in radio and television of the College. Mr. Frank E. Schooley, Director of Broadcasting, was also present and was introduced.

Following luncheon, the Board reconvened for consideration of a committee report. The same members of the Board, officers of the Board, and officers of the University were present during this session as recorded at the beginning of these minutes with the exception of Mr. Johnston and Mr. Williamson, who had asked to be excused.

**PURCHASE OF FILM INSPECTION MACHINES**

At a meeting of the Board of Trustees held on March 14, 1961, the Board considered a number of recommendations for purchases of equipment, including two film inspection machines for the Audio-Visual Aids Service. The Board voted to refer the recommendation for the purchase of these two machines to a special committee to be appointed by the President of the Board. Mr. Kenney E. Williamson, then President of the Board, appointed as this special committee: Mr. Howard W. Clement, Chairman, Mr. Richard A. Harewood, Mrs. Frances B. Watkins. Subsequently, Mr. Timothy W. Swain was appointed to replace Mr. Richard A. Harewood on the Committee when he resigned as a Trustee.

Mr. Clement now presented the following:

**Report of the Special Committee of the Board of Trustees on Purchase of Film Inspection Machines for Visual Aids Service**

To increase productivity in the servicing of rental movie units, in 1960 the Purchasing Division, at the request of the Visual Aids Service of the University of Illinois, invited sealed bids for the University's purchase of two 16 millimeter movie film inspection machines. Films which have been rented from and returned to the Visual Aids Service are inspected by such machines in order to detect any breaks or other flaws in the films. Funds for the purchase of the inspection machines are not appropriated by the state but come from film rentals paid to the University by outside organizations.
The University received sealed bids from two companies: The Harwald Company, Inc., and Paulmar, Incorporated. The lower bid submitted by the Harwald Company was evaluated by the staff of the Visual Aids Service and the Purchasing Division and it was concluded by them that the equipment offered by the Harwald Company did not meet the bid specifications and the needs of the Visual Aids Service. Accordingly, a recommendation for purchase of the two Paulmar units was then presented to the Board of Trustees. The Board took no action on the recommendation because of objections raised by Mr. Grunwald, President of the Harwald Company, and a special committee of the Board of Trustees was appointed to consider the matter further. Subsequently the recommendation for the purchase was withdrawn.

An analytical report on the equipment offered by the Paulmar Company and the Harwald Company in response to the bids was prepared and presented to the special committee by two members of the staff of the College of Engineering: Professor H. N. Hayward, of the Measurement Service Program of the College of Engineering, and Professor George F. Schrader, an expert in the field of time-motion study. The special committee thereafter concluded that the specifications issued for the purchase of the equipment included some requirements which were not essential to the performance of the intended function and that, while the equipment offered by the Harwald Company did not meet the specifications as listed, bids should be taken on broader specifications.

Before new bids were invited, the film inspection industry offered a new type of machine which provided for the simultaneous review of more than one reel of film. It appeared that the advancement in the design might offer further savings in the operation of the film inspection function, and that the new machine should be studied.

For this purpose, Mr. John R. Miles, a consulting engineer, was employed to make an independent study to determine whether the use of the new "stacked unit" type of film inspection equipment was desirable, and to compare the merits of such equipment produced by the Harwald Company and the Paulmar Company.

Mr. Miles submitted his report which indicated that, in his opinion, the purchase of the stacked unit was desirable, and recommended that the equipment manufactured by the Paulmar Company be acquired. A copy of this report was submitted to both vendors. Mr. Grunwald of the Harwald Company objected to the conclusions in the Miles report and requested a further hearing before the special committee of the Board, which was held on October 17, 1962.

In the course of the original bidding process, the Supervisor of the Visual Aids Service of the University reported that Mr. Grunwald had offered him a sum of money if he would submit a favorable report on the Harwald equipment. The offer was made in a private conversation and was not brought before the Board in view of the fact that at that time there was no substantiating evidence. During the hearing before the special committee of the Board on October 17, 1962, Mr. Grunwald was asked whether or not he had made such an offer and he admitted doing so, although he stated it was for the purpose of "testing" the University employee.

On the basis of Mr. Grunwald's statements to the Committee, it is concluded that he offered to give a University employee something of value with an intent to influence such employee within the meaning of the University's regulations which provide that "No person on a bidders' list or who submits or intends to submit a bid shall give or offer to give, directly or indirectly, any money, article, or other things of value to any officer or employee of the University of Illinois, with an intent to influence said officer or employee of the University of Illinois." The regulations further provide that if any person makes such an offer, "all bids, submitted by him, will be rejected and the bidder will be barred from further bidding for a period of time fixed by the Purchasing or Physical Plant Department."

It is recommended that the University notify Mr. Grunwald and the Harwald Company that they are barred from bidding on University business for a period of one year and that the University proceed to secure sealed bids for stacked unit film inspection equipment.

At the conclusion of the presentation, and following discussion, on motion of Mr. Swain, the report was accepted and the recommendation of the Committee was adopted without dissent.
At the conclusion of the business meeting following the luncheon program, on motion of Mr. Pogue, the Board again recessed.

**INSPECTION OF STUDIOS OF WILL-TV**

During the second recess members of the Board inspected the new studios of Station WILL-TV at 302 North Goodwin Avenue, Urbana. Professor C. J. McIntyre, Coordinator of Instructional Television, addressed the Board at the studio, illustrating his presentation with showings of educational television programs.

**EXECUTIVE SESSION**

Prior to the recess, President Clement announced that an executive session had been requested and was being ordered in the afternoon for consideration of recommendations relating to property acquisitions and patentable inventions.

When the Board reconvened in executive session, the following members were present: Mr. Clement, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; Mr. Page and Mr. Johnston had previously asked to be excused. The same officers of the University and officers of the Board were present as recorded at the beginning of these minutes.

**LAND ACQUISITIONS**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the following properties for the purposes and at the prices indicated:

1302 West Stoughton Street, Urbana— as a site for the new Civil Engineering Building .................................................. $23,650
The property consists of a corner lot 48 feet by 133 feet and is improved with a two-story and basement frame dwelling. Possession will be delivered by July, 1963.

911 South Fifth Street, Champaign— as part of the site for a residence hall for single graduate students ........................................ 28,000
The property consists of a corner lot 59.24 feet by 70 feet and a two-story and basement brick dwelling and garage. Possession will be delivered by November, 1963.

411 East Daniel Street, Champaign— as part of the site for a residence hall for single graduate students................................. 33,000
The property consists of a lot 70.5 feet by 111.8 feet and a two-story and basement frame dwelling. Possession will be delivered by July, 1964.

Funds for the purchase of these properties are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

The prices are consistent with appraisals secured by the University and recommendations for the acquisition of these properties have previously been submitted to the Committee on Buildings and Grounds which concurs. On February 20, 1963, the Board authorized condemnation proceedings for the acquisition of the property at 411 East Daniel Street, Champaign, but through subsequent negotiations, a price of $33,000 has been agreed upon which is within the limits authorized by the Committee on Buildings and Grounds.

I recommend authorization of the purchases of these properties at the prices indicated; and I further recommend that the Board rescind its action of February 20, 1963, with respect to condemnation proceedings for acquisition of the property at 411 East Daniel Street.

On motion of Mrs. Watkins, purchase of these properties for the prices recommended was authorized; and the resolution of the Board authorizing condemnation proceedings for the acquisition of the prop-
property at 411 East Daniel Street, Champaign, was rescinded. This action
was taken by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr.
Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent,
Mr. Dilliard, Mr. Johnston, Mr. Kerner, Mr. Page.

ACQUISITION OF PROPERTY AT 206 NORTH
ROMINE STREET, URBANA, ILLINOIS

(2) Representatives of the University have been negotiating for the purchase of
the property at 206 North Romine Street, Urbana, Illinois, required as part of the
site for construction of the new Civil Engineering Building. Architectural work
is in process and construction is scheduled to start in the spring of 1964 with
completion in time for occupancy in the fall of 1965.

The property consists of a lot 66 feet by 66 feet (4,356 square feet) and is
improved with a two-story frame dwelling with basement. An offer of $21,000,
based on appraisals secured by the University, was made to the owners, who were
advised that if they agreed to that amount a recommendation would be made to
the Board of Trustees for the purchase of the property. The offer is not accept-
able to the owners whose asking price remains substantially in excess of the
highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller
recommend that the Board of Trustees exercise its power to acquire the property
by eminent domain and authorize condemnation proceedings for its acquisition.

Funds are available in the state capital appropriations to the University for
1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

Resolution Authorizing Condemnation of Property at
206 North Romine Street, Urbana, Illinois

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of
Trustees of The Board of Trustees of the University of Illinois, a body corporate
and politic and a public corporation of the State of Illinois, that the followingsh
described real estate situated in the County of Champaign, in the State of Illinois,
to-wit:

The South One-half (S1/2) of Lot Five (5) in Block Fifty-one (51) of the
Seminary Addition to Urbana, situated in the City of Urbana, in the County
of Champaign, in the State of Illinois

is needed by the University of Illinois, an educational institution established and
supported by the State of Illinois, for a site for a Civil Engineering Building and
for related educational purposes conducted and to be conducted by said University
of Illinois and for the further expansion of the educational facilities of said
University of Illinois and to enable said University of Illinois to discharge its
duty to the people of said State and for public use; that funds have been appro-
priated by the General Assembly of the State of Illinois for the purchase of said
land for said educational purposes; that this Board of Trustees has negotiated with
the owners of said land through their duly authorized representatives for the
purchase of said land at a price which this Board of Trustees considers fair and
reasonable and which it finds constitutes the present market value of said land,
but that said owner has refused to sell and convey said land, or any portion
thereof, to said The Board of Trustees of the University of Illinois; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of
Trustees of The Board of Trustees of the University of Illinois that the
compensation to be paid by it for said land cannot be agreed upon between this
Board of Trustees and the owners of said property and they and it are unable to
agree upon the purchase price to be paid to said owners for the sale and convey-
ance of said land by said owners thereof to said The Board of Trustees of the
University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared
by this Board of Trustees of The Board of Trustees of the University of Illinois
that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Williamson, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Johnston, Mr. Kerner, Mr. Page.

ACQUISITION OF PROPERTY AT 909-909½ SOUTH FIFTH STREET, CHAMPAIGN, ILLINOIS

(3) Representatives of the University have been negotiating for the purchase of the property at 909-909½ South Fifth Street, Champaign, Illinois, required as part of the site for a residence hall for single graduate students to be constructed in the block bounded by Daniel, Fifth, Chalmers, and Fourth Streets.

The property consists of a lot 57 feet by 140 feet and is improved with a three-story and basement frame house.

An offer of $36,000, based on appraisals secured by the University, was made to the owners, who were advised that if they agreed to that amount a recommendation would be made to the Board of Trustees for the purchase of the property. The offer is not acceptable to the owners whose asking price remains in excess of highest University appraisals.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees exercise its power to acquire the property by eminent domain and authorize condemnation proceedings for its acquisition.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

Resolution Authorizing Condemnation of Property at 909 and 909½ South Fifth Street, Champaign, Illinois

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Ten (10) in Block Three (3) of a Replat of Lots Five (5), Six (6), Seven (7) and Eight (8) in Block One (1) and Lots Five (5), Six (6), Seven (7) and Eight (8) in Block Two (2) and Lots One (1), Two (2), Three (3), Five (5), Six (6), Seven (7), and Eight (8) in Block Three (3) of A. T. Hall’s Addition to the City of Champaign, Illinois, being a part of the Southeast Quarter (SE ¼) of the Northwest Quarter (¼) of Section
Eighteen (18), Township Nineteen (19) North, Range Nine (9) East of the Third Principal Meridian, situated in the City of Champaign, in the County of Champaign, and State of Illinois; is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for residence halls buildings for single graduate students and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owners have refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Johnston, Mr. Kerner, Mr. Page.

PURCHASE OF PROPERTY AT 1305 WEST MAIN STREET, URBANA

(4) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1305 West Main Street, Urbana, Illinois, at a price of $30,250, required as part of the site for construction of the Civil Engineering Building.
The property consists of a lot 66 feet by 132 feet, and a five-room brick
dwelling with basement and garage. Possession will be delivered by September,
1963.

Funds are available in the state capital appropriations to the University for
1961-63 from the Universities Building Fund and have been released.

The recommendation for acquisition of this property has been reviewed
with the Committee on Buildings and Grounds.

I concur.

On motion of Mr. Pogue, the purchase of this property for the price
recommended was authorized by the following vote: Aye, Mr. Clement,
Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson;
no, none; absent, Mr. Dilliard, Mr. Johnston, Mr. Kerner, Mr. Page.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(5) The University Patent Committee submits, with the concurrence of the
University Research Board, the following reports and recommendations relating
to patentable inventions by members of the staff.

1. System for removing free electrons—Shao L. Soo, Professor of Me-
chanical Engineering, inventor. The invention consists of two parts: Part one
is on the removal of electrons from an ionized gas. Such removal is effected by
injecting positively charged solid particles in micron or submicron size by, for
instance, corona charging; and injected into ionized gases in the jet of a rocket
or high temperature gas layer on an artificial satellite during re-entry. The
function of removal of electrons is to reduce attenuation of radio waves by free
electrons in the ionized gas layer or jet. Part two is the deliberate inclusion of
solid particles in a hot gas system as in a magneto-hydrodynamic generator, to
serve two functions; (1) to increase the electrical conductivity of
a

(1) A gas for a
given temperature, and (2) to reduce the temperature drop of the mixture passing
through the MHD section.

It is reported that further study is required and that there is some possibility
that a patent application will be filed. Accordingly, it is recommended that the
rights of the University in this invention be released to the University of Illinois
Foundation, with full recognition of the rights of the sponsoring agency, the
Department of the Navy.

2. Liquid helium level indicator—Cameron B. Satterthwaite, Associate
Professor of Physics, and Roger P. Ries, Electronics Technician II, inventors.
This device makes use of a superconducting transition which will (1) indicate
by a meter or indicator light whether or not a sensing element is immersed in
liquid helium or not making it possible to determine whether the liquid helium
level is above or below the sensing element, or (2) in a different modification
display on a meter a reading that is proportional to the liquid helium level above
a certain fixed point.

It is reported that further study is required and that there is some possibility
that a patent application will be filed. Accordingly, it is recommended that the
rights of the University in this invention be released to the University of Illinois
Foundation, with full recognition of the rights of the sponsoring agency, the
Department of the Army.

3. Phase and vibration simulator—Roy B. Perkins, Associate Professor of
Mechanical Engineering at the Chicago Undergraduate Division, inventor. This
simulator is used to generate two or more time displacement wave forms. In its
simplest form, it consists of a driving member reciprocated by a crank mechanism
and attached to a recording pen to describe a reference curve. The driven member
describes the second curve by use of a pen attached to a spring mass component.

Studies indicate that there will not be sufficient value to justify the cost of
further development work on this invention; and accordingly, it is recommended
that the rights of the University be released to the inventor.

4. Internally reflecting confocal resonant system—Don F. Holshouser, Asso-
ciate Professor of Electrical Engineering, inventor. The system is a resonator
generally composed of two opposing reflecting elements with the active medium,
either a crystal or a gas, filling the region between, and is useful for frequencies
in which wave lengths are short compared to physical dimensions. The Board of
Trustees has released its rights to this invention to the University of Illinois Foundation, and the latter requests that a percentage of the net income which may be received from the royalties be assigned to the inventor.

The Patent Committee recommends a distribution of 15 per cent of any net income to the inventor.

I concur in these recommendations.

On motion of Mr. Swain, these recommendations were approved.

On motion of Mr. Hughes, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President
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The April meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, April 17, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. George H. Bargh, Administrative Assistant, President's Office, Mr. Fred H. Turner, Dean of Students, Associate Provost Paul R. Shaffer, Mr. V. L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>James William Fransissen</td>
<td>Chicago, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Frank Leonard Schoppet</td>
<td>Bethalto, Illinois</td>
<td>Missouri</td>
</tr>
<tr>
<td>Alfred A. Weber</td>
<td>St. Louis, Missouri</td>
<td>Missouri</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mrs. Watkins, these certificates were awarded.

CHAIRMANSHIP OF THE DEPARTMENT OF ECONOMICS

(2) At the end of the current academic year, 1962-63, Professor J. F. Bell of the Department of Economics will have completed his third two-year term as Chairman of the Department. He has asked to be relieved of further service in this administrative assignment so that he can devote full time to teaching and research. He will be on sabbatical leave of absence during the second semester of 1963-64.

With the concurrence of the Executive Committee of the Department of Economics, the Dean of the College of Commerce and Business Administration recommends the appointment of Professor John F. Due as Chairman of the Department for two years beginning September 1, 1963. The salary of this position will be determined when the budget for 1963-64 is submitted to the Board for approval.

The Dean of the Graduate College and the Executive Vice-President and Provost also concur.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

ASSOCIATE DEAN OF THE GRADUATE COLLEGE

(3) The Dean of the Graduate College recommends the appointment of Dr. Marvin Frankel, Research Professor in the Bureau of Economic and Business Research, as Associate Dean of the Graduate College on one-half time beginning September 1, 1963. He will continue as Research Professor on one-half time. The total salary of this dual position will be $17,000 on a twelve-month service basis.

The appointment of Dr. Frankel is to replace Dr. Ivan D. Steiner, Professor of Psychology, who has been serving as Associate Dean since September 1, 1961, and who has asked to be relieved of this administrative assignment so that he may devote full time to teaching and research.

The appointment of Dr. Frankel as Associate Dean is concurred in by all recommending officers involved: the Head of the Department of Economics, the Director of the Bureau of Economic and Business Research, the Dean of the College of Commerce and Business Administration, and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.
The Vice-President for the Chicago Undergraduate Division recommends the appointment of Dr. Victor E. Ricks, presently Professor of Education in Social Sciences at the Chicago Undergraduate Division, as Professor of Education on indefinite tenure and Director of the Division of Education, beginning May 1, 1963, and continuing until September 1, 1965, at an annual salary of $14,500 on a twelve-month service basis.

This appointment will establish the new Division of Education, within the new organizational framework of the University of Illinois at Congress Circle as previously authorized by the Board of Trustees (January 18 and February 15, 1961). The recommendation is submitted after consultation with the Academic Advisory Council at the Chicago Undergraduate Division and the Dean of the College of Education at Urbana, and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

The Vice-President for the Chicago Undergraduate Division recommends the appointment of Rupert H. Price, Assistant Dean of Engineering and Associate Professor of Physics at the Chicago Undergraduate Division, as Associate Professor of Physics on indefinite tenure and Acting Dean of the College of Engineering, beginning May 1, 1963, on an annual appointment and twelve-month service basis, and at an annual salary rate of $16,200.

This recommendation is endorsed by a search committee appointed to nominate a Dean for Engineering, and by the Academic Advisory Council at the Chicago Undergraduate Division. It is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

The Vice-President for the Chicago Undergraduate Division recommends the appointment of Sheldon L. Fordham, presently Assistant Dean of Physical Education and Associate Professor of Physical Education for Men at the Chicago Undergraduate Division, as Associate Professor of Physical Education for Men on indefinite tenure and Director of the Division of Physical Education and Director of Athletics for two years, beginning September 1, 1963, at an annual salary of $13,500 on a twelve-month service basis.

This appointment will also implement the Division of Physical Education within the new organizational framework of the University of Illinois at Congress Circle, Chicago, as previously authorized by the Board of Trustees (January 18 and February 15, 1961), and will fill the vacancy created by the retirement at the end of the current academic year of John O. Jones, Associate Dean of Physical Education for Men and Director of Athletics. The recommendation is submitted with the support of a Consultative Committee appointed to nominate a Director, and after consultation with the faculty of Physical Education. It is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Hughes, this appointment was approved.

The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. Peter J. Couri, Clinical Assistant Professor of Obstetrics and Gynecology, beginning March 1, 1963, without salary (DY).
2. ARTHUR J. DERBYSHIRE, Associate Professor of Otolaryngology, beginning
March 1, 1963, at an annual salary of $15,000 (DY).
3. GUIDO FEIZZI, Visiting Professor of Zoology, for six and one-half months
from May 16, 1963, at a salary of $10,108 (G).
4. MAX M. FROCHT, Visiting Professor of Theoretical and Applied Mechanics,
for the academic year 1963-64, at an annual salary of $15,000 (D).
5. R. JERALD HAMILTON, Associate Professor of Music, beginning September 1,
1963, at an annual salary of $10,700 (D).
6. CHARLES E. HAMM, Professor of Music, beginning September 1, 1963, at an
annual salary of $11,000 (A).
7. Elio Maggio, Assistant Professor of Otolaryngology, College of Medicine,
from March 25 to August 31, 1963, at a salary of $1,000 per month.
8. WILLARD A. MAINORD, Visiting Assistant Professor of Psychology, for four
and one-half months from February 1, 1963, on one-fourth time, at a salary
of $1,000 (E25).
9. WILLIAM L. McDANIEL, Assistant Professor of Applied Materia Medica and
Therapeutics, College of Dentistry, on four-tenths time, beginning March 25,
1963, at an annual salary of $4,000 (DY40).
10. WILLIAM S. MILLER, Clinical Assistant Professor of Obstetrics and Gynecology,
beginning March 1, 1963, without salary (DY).

On motion of Mr. Dilliar, these appointments were confirmed.

APPOINTMENTS TO CENTER FOR ADVANCED STUDY

(8) Upon recommendation of the Executive Committee of the Center for
Advanced Study, and with the concurrence of the Dean of the Graduate College
and the Executive Vice-President and Provost, I submit the following nominations
for appointments to the Center for Advanced Study for the period and for
the program of research or study as indicated in each case.

Member (for a five-year period from September 1, 1963)

H. G. DRICKAMER, Professor of Chemical Engineering and of Physical Chemistry.
Professor Drickamer’s research contributions represent a high degree of
technical skill and inventiveness combined with the ability, originality, and
theoretical insight to obtain results of fundamental and general significance.
His work has ranged widely, from physical chemical studies of engineering
processes and of molecular interactions in condensed phases to the develop-
ment of high-pressure techniques and their application to a number of basic
problems in solid state physics and geology.

His most recent and probably most important accomplishments are concerned
with the effects of very high pressure on solid state and molecular electronic
structure. In particular he has developed a unique optical apparatus which
permits spectroscopic measurements in the ultraviolet, visible, and infrared
regions of the spectrum to pressures of 200,000 atmospheres and at temper-
atures of over 400° C. He has developed a device for measuring electrical
resistance in substances subject to pressures in excess of 500,000 atmospheres.

Associate Members

SAMUEL ADLER, Visiting Professor of Art, for the second semester. As artist-in-
residence, to paint and to advise graduate students in painting.

BEI-TSE CHAO, Professor of Mechanical Engineering and of Nuclear Engineering,
for one year from September 1, 1963. To conduct investigations in the field of
two-phase fluid flow and heat transfer.

D. J. GEANAKOPOLOS, Professor of History, for the second semester. To do re-
search in libraries and archives of America and Europe on the relations of
the Byzantine Orthodox Church with Roman Catholicism and the Russian
Church, and also on the influence of Byzantine and Venetian-dominated Crete
in the Renaissance of Western Europe.

W. J. HALL, Professor of Civil Engineering, for one year from September 1, 1963.
To complete a monograph on the brittle fracture of fabricated steel structures,
and to conduct further studies in the areas of fracture mechanics and struc-
tural analysis.

D. R. HOGMAN, Professor of Economics, for two years from September 1, 1963.
To conduct quantitative studies of commercial bank behavior, with emphasis
on micro-analytic computer simulation of the commercial banking system.
J. R. Kelly, Professor of Music, for one year from September 1, 1963. To compose an opera based on the conquest of Aztec Mexico by Cortez and provisionally entitled Conquistadore.

Sherman Paul, Professor of English, for one year from September 1, 1963. To complete his final volume of studies of the tradition of the "American Scholar."

C. P. Slichter, Professor of Physics, for one year from September 1, 1963. To conduct investigations of electron and nuclear magnetic resonance.

P. A. Wadsworth, Professor of French, for one year from September 1, 1963. To complete work on his study of the writings of La Fontaine.

J. H. Walter, Associate Professor of Mathematics, for one year from September 1, 1963. To continue his research into the theory of finite groups.

F. L. Will, Professor and Chairman of the Department of Philosophy, for the second semester. To complete his book on the Problem of Induction.

Provisions for the salaries of these staff members during the period of their membership in the Center will be included in the budget of the Graduate College and the Center.

On motion of Mr. Hughes, these appointments were approved.

SABBATICAL LEAVES OF ABSENCE, 1963-64

(9) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1963-64 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated. This recommendation is supplementary to the applications recommended to the Board of Trustees on March 20, 1963. (It was reported at that time that a number of applications for sabbatical leaves during 1963-64 were still under administrative consideration and that additional recommendations would be submitted at a subsequent meeting.)

College of Commerce and Business Administration
William Edgar Thomas, Professor of Accountancy, second semester, full pay.

College of Education
Cecil H. Patterson, Professor of Education, second semester, full pay.

College of Fine and Applied Arts
Kenneth M. Lansing, Associate Professor of Art Education, second semester, full pay.

Graduate School of Library Science
Donald E. Strout, Professor of Library Science, first semester, full pay.

Chicago Undergraduate Division
Nicholas C. Scholomi, Assistant Professor of Mathematics, second semester, full pay.

On motion of Mr. Johnston, these leaves were granted as recommended.

HONORARY DEGREES

(10) The University Senate at the Medical Center has recommended that the honorary degree of Doctor of Science be conferred upon:
DeLEW W. Bronk, former President of Johns Hopkins University and now President of the Rockefeller Institute. Dr. Bronk will give the Commencement address for graduates of the colleges at the Medical Center on June 7, 1963.

The Urbana-Champaign Senate has recommended honorary degrees be conferred upon the following at the Commencement exercises at Urbana-Champaign on June 15, 1963:

Henry Townley Heald, Doctor of Laws (LL.D.). Former Chancellor of New York University, now President and a Trustee of the Ford Foundation. Dr. Heald will give the Commencement address at Urbana-Champaign on June 15.
I concur in the recommendations of the Senates.

On motion of Mr. Swain, these degrees were authorized.

INVITATION TO VISIT BRITISH UNIVERSITIES

(11) I request the Board of Trustees to authorize my acceptance of an invitation to attend meetings of the Association of Universities of the British Commonwealth at the University of London, a conference of Vice-Chancellors of British universities and Presidents of American universities at St. Andrews University, and to visit British universities following these programs. The official visitation would be during the period from July 10 until August 1, exclusive of travel time.

The invitation has been presented through the Association of American Universities. The Presidents of twelve member institutions of that Association will constitute the delegation.

The members of the delegation will have unusual opportunity to receive and discuss authoritative reports on higher education in many countries and to bring back to their own institutions comparative information and insights from the experience.

The travel expense will be underwritten by the Association and the mission will involve no expense to the University of Illinois.

On motion of Mrs. Watkins, authority was given as requested.

AMENDMENT OF POLICY FOR INVESTMENT OF FUNDS AND INVESTMENT PROCEDURES

(12) On recommendation of the Finance Committee, the Board of Trustees on June 20, 1962, adopted a policy for investment of funds and investment procedures, including a resolution authorizing the Treasurer of the Board of Trustees to exercise certain functions. In view of the change in the Treasurership, it is necessary to amend the resolution and it is therefore requested that the following resolution be adopted to replace the resolution which appears on page 1519 of the minutes of the Board of Trustees meeting of June 20, 1962.

Resolution

Resolved, that the Treasurer of the Board of Trustees of the University of Illinois, a public corporation, is authorized in his discretion to sell, assign, or transfer to any assignee or transferee for or on behalf of this corporation and in its name any and all shares of capital stock or any voting trust certificates representing the right to receive shares of stock or any registered bonds or other securities of any other corporation owned by this corporation and for the purpose of effecting any such sale or transfer, R. R. Manchester, the Treasurer of this corporation, be and he hereby is authorized to execute in the name of this corporation and on its behalf all assignments which may be necessary and that A. J. Janata, Secretary of this corporation, be and he hereby is authorized to attest to the authority of R. R. Manchester, Treasurer, to execute the aforesaid documents.

The Treasurer will exercise the authority granted by such resolution only after being notified by the Comptroller of the approval of the Finance Committee for the sale as provided in the established procedure. The Secretary of the Board will attest to the validity of the resolution and to the authority of the Treasurer to sign the documents.

On motion of Mr. Williamson, this amendment was adopted.

POLICY AND PROCEDURE CONCERNING COPYRIGHTS AND RECORDINGS

(13) The General Rules Concerning University Organization and Procedure include regulations governing patents on inventions (Sections 17 and 18, pages 59-60) and copyrights on printed material (Section 19, page 60). In both cases it is made clear that when such inventions or writings have been produced with the
use of University facilities, resources, or financial support, these productions belong to the University. In the case of patents, detailed administrative procedures and guide lines are outlined for the determination of the University's rights and for deciding what share, if any, of the net income realized from patents should go to the inventor. No such administrative procedures or guide lines are specified in the case of copyrights, although Section 10 (on the University Press, page 49) does refer to contracts with authors concerning royalties and other conditions related to the publication and copyrighting of manuscripts.

No reference is made in The General Rules Concerning University Organization and Procedure concerning recordings of lectures and other content on such media as film and magnetic tape; yet the rapid increase in the use of these media—especially in the form of videotaped recording of instruction for presentation by television—has raised serious questions concerning University, departmental, and faculty rights relative to the production, ownership, and use of such material. Typically, an instructor develops a set of videotaped lectures for his own course, as part of his regular departmental duties and usually with a substantial reduction in teaching load. Since he is paid to do the work, and since University facilities are used, the University's right to ownership of the recordings could hardly be questioned.

After a lengthy study, the University Committee on Instructional Television has recommended policies and general procedures for the resolution of questions and issues which may arise in determination of the equitable interests involved. The Committee's proposals have been reviewed and approved in principle by the Academic Advisory Council. In the light of these studies, the Executive Vice-President and Provost recommends the following revisions in Section 19 of The General Rules Concerning University Organization and Procedure (the new material below is in italics).

COPYRIGHTS AND RECORDINGS

Sec. 19. (a) The right to copyright a work or to assign this right to a publisher normally belongs to the author of the work. However, when the author is specifically commissioned by the University or one of its departments to prepare a manuscript or report, the manuscript and all rights to it shall belong to the University.

(b) Research and service pamphlets and bulletins may or may not be copyrighted, at the discretion of the department issuing the work.

(c) Books published by the University Press are copyrighted as provided in Section 10.

(d) All rights in recordings of lectures, of demonstrations, and of other content—such as films and videotapes—that have been produced with the use of University facilities, resources, or financial support shall belong to the University.

(e) If the University uses or markets copyrighted or recorded material produced by a staff member under the conditions outlined in the second sentence of (a) and (d), and if such disposition is made on a basis that yields a net income to the University, a proportion of the net income may be assigned to the author(s) or developer(s) of the material.

(f) A University Committee on Copyrights and Recordings, appointed by the President, will review the circumstances involved in each case that might arise under the principle stated in (e), and make recommendation concerning it to the President and Board of Trustees. It is expected that the Committee will be guided in its recommendations by standards analogous to those stated in Section 18 (c) (page 60) concerning patents.

I concur.

On motion of Mr. Swain, these revisions were approved.

CLINICAL TRAINING FOR LICENSED PRACTICAL NURSE PROGRAM

(14) The Chicago Public Schools have been providing a training program for "Licensed Practical Nurse" since 1948. Students in this program receive clinical training in a number of hospitals in Chicago. The Chicago Board of Education has requested the University to provide the clinical setting for ward experience in obstetrics and pediatrics in the Research and Educational Hospitals for a limited number of these practical nurse students.
Over 95 per cent of the licensed practical nurses now employed in the Research and Educational Hospitals are graduates of this program and they always have been found to be competent and well selected. Therefore, the Hospitals staff has had considerable experience with the program and considers it well organized and executed.

It is proposed that the clinical training program be started May 1, and will continue for the next three years.

The Medical Director of the Research and Educational Hospitals, the Director of Nursing in the Hospitals, and the Vice-President for the Medical Center have requested authority to negotiate an agreement with the Chicago Board of Education covering this training program. Formal action by the Board of Trustees is not necessary as the proposal can be approved administratively but because it is a new area of public service, it seemed appropriate to bring the matter to the Board for its information and for the record.

On motion of Mrs. Watkins, this program was approved.

**MIDWEST ELECTRONICS RESEARCH CENTER**

(15) The College of Engineering has proposed establishment of a Midwest Electronics Research Center within the College of Engineering and the Engineering Experiment Station to provide for close association between University research programs and industrial research and development laboratories and to promote programs which will stimulate productive University-industrial relationships. In general, the Center’s purpose would be to assist midwest electronics firms in the task of handling the greater amount of sophisticated research required for military and space programs and for new areas of civilian technology and product development.

The initial activities of the Center will include a program for “Industrial Research Visitors” as well as seminars and short courses in electronics and related topics of solid state physics. The Center will also serve in the establishment of cooperative research contracts sponsored by industry, the dissemination of information and interpretative publications, and the coordination of activities leading to the organizing of company-sponsored research laboratories.

Submitted herewith is a statement giving further details of the proposal, a copy of which is being filed with the Secretary of the Board for record. Approval of this program and authorization to negotiate and execute the necessary contractual agreements with industries which may be interested and selected for participation is requested.

I concur, subject to further action by the Board of Higher Education.

On motion of Mr. Johnston, this program was approved, in principle, and authority was given as recommended to negotiate and enter into contracts, and additional authorization was given to modify the plan before it is set up in final form to take into account such changes as may be indicated after further internal administrative consideration and consultation with the officers of the colleges and departments concerned; provided that any substantive changes shall be reported to the Board for confirmation; and provided further that final approval shall be subject to approval of the program by the Board of Higher Education. This action was taken without dissent.

**PRODUCTION ENGINEERING EDUCATIONAL AND RESEARCH CENTER**

(16) The College of Engineering and the Engineering Experiment Station submit a proposal for a new Production Engineering Educational and Research Center to be established within their administrative organization. The main objective of this Center will be to conduct a broad interdisciplinary program of technical assistance to industry. The rapid expansion of knowledge concerning new materials and the technology for their fabrication have created complex problems for industry, and particularly for small industries which do not have the technical and research personnel to cope with them. The Center would assist these industries to upgrade their technical competence through organized programs for the
dissemination of knowledge concerning materials fabrication, machine structures, machine controls, automated manufacturing, and the economic-sociological aspects of industrial organization.

Representatives of the Department of Mechanical and Industrial Engineering have been conferring with representatives of the Colleges of Commerce and Business Administration, Liberal Arts and Sciences (social science departments), and other engineering departments on methods of attacking problems dealing with the social as well as technical and financial aspects of modern industry. The Center would provide educational programs and "problem clinics" for groups outside the University, graduate educational programs within the University, and would conduct research. With the exception of regular graduate studies, each area of specialized education and research would be fully supported by interested companies or other agencies through contracts or grants.

Submitted herewith is a statement giving further details of the proposal, a copy of which is being filed with the Secretary of the Board for record.

I concur, subject to further action by the Board of Higher Education.

On motion of Mr. Swain, this program was approved, in principle, and authority was given as recommended to negotiate and enter into contracts, and additional authorization was given to modify the plan before it is set up in final form to take into account such changes as may be indicated after further internal administrative consideration and consultation with the officers of the colleges and departments concerned; provided that any substantive changes shall be reported to the Board for confirmation; and provided further that final approval shall be subject to approval of the program by the Board of Higher Education. This action was taken without dissent.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(17) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

Urbana-Champaign
1. College of Agriculture
   Department of Animal Science, repairs to the Swine Nutrition Farm $18,200 00
2. College of Liberal Arts and Sciences
   Department of Mathematics, equipment.............................. 2,582 00
3. Physical Plant Department
   Agricultural Engineering Building, remodeling....................... 7,190 00
   Photographic Laboratory, air conditioning.......................... 8,000 00
   Davenport House, air conditioning................................. 7,076 65
   Total.......................................................... $43,048 65

I concur.

On motion of Mr. Pogue, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

SETTLEMENTS WITH ECONOMY PLUMBING AND HEATING COMPANY, INC. AND BLOOMER HEATING AND VENTILATING COMPANY

(18) In December, 1949, the University entered into separate contracts with Economy Plumbing and Heating Company, Inc. (hereinafter called "Economy") and Bloomer Heating and Ventilating Company (hereinafter called "Bloomer") for the furnishing of certain materials and work in the construction of the University's Research and Educational Hospitals Addition in Chicago. The building was not completed for more than two years after the scheduled date. Economy, Bloomer, and other contractors on the project, including Patrick Warren Construction Company, the general contractor, contended that the delays were caused by the University and asserted claims for damages by reason thereof. The University
has consistently denied liability on such claims and has maintained that the delays were caused by the contractors. By special agreement with the University, Economy (in 1954) and Bloomer (in 1953) were paid and accepted the balances due under their respective contracts, which agreement preserved the contractors' rights to assert at a later date claims for delay, and also acknowledged the University's right to deny liability thereon.

On November 28, 1961, the Board of Trustees approved a settlement with Patrick Warren Construction Company which settlement included a payment for release of Warren's claims for delay. Subsequent negotiations have been conducted with counsel for Economy and counsel for Bloomer, the details of which are more fully stated in a letter from the Legal Counsel to President Henry, a copy of which is being filed with the Secretary for record. Economy has now agreed to accept the sum of $6,431.25 in full payment and satisfaction of all of Economy's claims against the University, and to deliver to the University a complete release. Bloomer has now agreed to accept the sum of $3,875.00 in full payment and satisfaction of all of Bloomer's claims against the University, and to deliver to the University a complete release.

These amounts represent substantial reductions in the original claims submitted by these contractors, have been arrived at on the same basis as the settlement of the Warren claims for delay approved by the Board in November, 1961, and provide a means whereby expensive and protracted litigation between these contractors and the University will be avoided. For these reasons, the Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that a final settlement between the University and Economy, and between the University and Bloomer, on the above-mentioned basis be authorized and made, subject to the release by the Governor out of funds appropriated to the University for the construction of the Research and Educational Hospitals.

Addition of the sums of $6,431.25 and $3,857.00 for payment to Economy and Bloomer, respectively.

I concur.

On motion of Mr. Johnston, these settlements were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACTS FOR INSTALLATION OF FUME HOODS IN EAST DENTISTRY-MEDICINE-PHARMACY BUILDING

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for furnishing and installing fume hoods in the East Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

Ventilating — Anderson and Litwack Company, Hillside.............. $31,653.00
  Base bid ........................................ $22,338.00
  Additive alternates
  Service charge for supervision of other contracts assigned to this contractor .......... 2,346.00
  Installation of eleven additional fume hoods in various rooms ......................... 6,969.00
Heating and Temperature Control— T. F. Hanley Corporation, Chicago.......................... $9,921.00
  Base bid ........................................ $9,000.00
  Additive alternates for installation of heating and temperature controls for eleven additional fume hoods ........................................... 921.00
Plumbing— Ashland Plumbing and Heating Company, Chicago........ 3,409.00
  Base bid ........................................ $2,232.00
  Additive alternates for plumbing installations for eleven additional fume hoods ........ 1,177.00
Electrical— Wadeford Electric Company, Chicago.................. 3,427.00
  Base bid ........................................ $2,709.00
  Additive alternates for electrical installations for eleven additional fume hoods ........ 718.00
General — Gerhardt F. Meyne Company, Chicago .................. 9 665 00
Base bid .................................................. $3 640 00
Additive alternates for remodeling work required for installation of eleven additional fume hoods ........................................... 4 025 00
Fume Hoods — Browne-Morse Company, Chicago .................. 20 595 60
Base bid .................................................. $13 043 88
Additive alternate for eleven additional fume hoods... 7 551 72
Total ........................................................ $78 670 60

The contracts will provide for the furnishing and installation of thirty fume hoods in chemistry laboratories on the third and four floors of the East Dentistry-Medicine-Pharmacy Building to expand facilities for teaching and research. The hoods were originally designed for installation when the building was constructed, but due to insufficient funds the installation was postponed. The base bid in each case is on installation of nineteen fume hoods; alternates were taken on the installation of eleven more, all of which are needed. The base bids were low enough to permit inclusion of the eleven additional hoods.

It is further recommended that all contracts other than the contract for ventilating work be assigned to the contractor for that work, making the total of his contract price $78,670.60; and that an agreement be entered into with Anderson and Litwack Company for the assignment of these other contracts for $2,346 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the contractor for ventilating work.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACT FOR WEATHERPROOFING ROOF DECKS ON BUILDINGS AT THE MEDICAL CENTER

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $4,955 to the Hascek-Melville Corporation, Maywood, for weatherproofing the tile roof decks on the Research and Educational Hospitals and the Dentistry-Medicine-Pharmacy Building, first unit.

Bids were requested both for weatherproofing and for completely removing and replacing the roofs; considering the price differential, it is recommended that the bid for weatherproofing only be accepted.

Funds are available in the Physical Plant maintenance budget.

I concur.

On motion of Mr. Williamson, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACTS WITH DEPARTMENT OF MENTAL HEALTH FOR STEAM SERVICE

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of amendments of four existing contracts and two additional contracts with the State Department of Mental Health for steam service from the Medical Center Steam Company to two new buildings being constructed in the Medical Center District.

The Medical Center Steam Company waschartered by the state to construct and operate a central steam plant to provide service to the University and to other institutions in the Medical Center District on a contract basis. The University operates the plant under a contract with the Company. The consumers pay for the
costs of steam, maintenance of utility lines, and a pro rata share of the capital costs of the plant and of extensions of steam lines.

The details of the proposed new contracts and amendments of existing contracts with the Department of Mental Health are submitted herewith and are filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts and amendments were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACTS FOR OAK STREET IMPROVEMENT, PARKING LOT CONSTRUCTION, AND TRASH COLLECTION DEPOT

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts, the award in each case being to the lowest bidder:

Oak Street Improvement—General Paving Company Incorporated, Champaign, Illinois ........................................ $105,665.45

Paving of Oak Street from Florida Avenue to Stadium Drive, including concrete curb and gutter, drainage, lighting, and the completion of a five-foot sidewalk on the west side of the street.

Parking Lot Construction—Parro Construction Corporation, Urbana, Illinois.................................................. 166,891.80

Base bid for construction of a 399-space asphalt lot, complete with drainage and lighting, on the south side of Florida Avenue east of Oak Street extended................................................................. $136,653.00

Additive alternate for construction of an eight-foot wide concrete sidewalk on the south side of Florida Avenue from First Street to Oak Street................................................................. 4,657.80

Additive alternate for construction of an additional 96-space parking area, complete with drainage and lighting, immediately north of the existing compound and east of the parking area to be constructed under the base bid; and for construction of a concrete sidewalk on the west side of First Street from Florida Avenue south to the entrance to the existing compound.......................... 25,581.00

Trash Collection Depot—General Paving Company Incorporated, Champaign, Illinois ........................................ 56,998.95

Base bid for construction of a trash depot consisting of a concrete structure with elevated ramp, two power-operated rams for compressing trash in containers, drives, drainage, lighting, and security fence ................................................................. $51,221.95

Additive alternate for furnishing and installing two 33-cubic yard trash containers complete.......................... 5,777.00

It is further recommended that the awards to General Paving Company Incorporated be combined in one contract at a total price of $162,664.40.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A supporting report from the Physical Plant Department with a schedule of bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.
AMENDMENT TO CONTRACT FOR CONGRESS CIRCLE CAMPUS SITE

(23) The Board of Trustees has authorized a contract with the Chicago Land Clearance Commission for the acquisition by the University of the site for the Congress Circle Campus in Chicago. Pursuant to enabling statutes passed by the 1961 General Assembly, the city of Chicago has since succeeded to the position of the Chicago Land Clearance Commission under the contract.

Under the terms of the agreement the total site was to be conveyed to the University in five stages, the first conveyance to be accomplished by June 30, 1962. The city of Chicago has experienced delays in its land acquisition program, principally by reason of litigation affecting the site, and the conveyancing schedule in the contract is no longer realistic. The City has requested an amendment to the contract to provide new dates for transfers of various portions of the site to the University, the first conveyance to be made prior to May 1, 1963. The proposed new dates have been reviewed by the Director of the Physical Plant and he states that they are compatible with the University's current construction schedule.

The Vice-President and Comptroller and the Director of the Physical Plant recommend that execution of the amendment be authorized.

I concur.

On motion of Mr. Swain, this amendment of the contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

EASEMENTS ON CONGRESS CIRCLE CAMPUS SITE

(24) The contract by which the University is acquiring title to the Congress Circle Campus site provides that the City will convey title subject to easements for necessary underground public or private utilities. Most of the existing easements lie in city streets and alleys to be vacated prior to the conveyance to the University. These easements appear to be more extensive than they would have been if originally granted over private property. In a few cases the utilities will require new easements on the site, principally for relocation to accommodate the University's construction and to service the University buildings.

Negotiations have been conducted with the public and private utilities for the purpose of narrowing existing easements to the areas reasonably required for the utilities' function, defining the scope of required new easements, securing releases by the utilities of existing easements no longer required by them, authorizing encroachments by the University on existing easements as reflected by the University's present construction specifications, and establishing criteria for permissive encroachment by future University construction. These negotiations are continuing and may be completed prior to the regular May meeting of the Board. It would be desirable to formalize the easement arrangements as soon as possible.

The Vice-President and Comptroller and the Director of the Physical Plant recommend that the Board of Trustees authorize its Executive Committee to take action for the Board in any negotiations with public and private utilities for easements relating to the Congress Circle site in Chicago, including approval of the execution of necessary easement and release documents.

I concur.

On motion of Mr. Johnston, these easements were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

AGREEMENT WITH COMMONWEALTH EDISON COMPANY ON VERNON PARK SUBSTATION

(25) To complete the Congress Circle Campus plan and to avoid the necessity of relocating Commonwealth Edison Company's Vernon Park Substation, and all its underground facilities in the area, the University will construct a screening wall around the Substation. As a result of discussions with Edison representatives, the Vice-President and Comptroller and the Director of the Physical Plant recommend that an agreement with Commonwealth Edison Company be authorized, which agreement would provide for the following:
1. The University may erect on land owned by it a suitable screening around Edison's Vernon Park Substation at the Congress Circle Campus site which will preserve to Edison easy access to the Substation and its facilities in the surrounding area.

2. The University may also reface Edison's Substation building in a manner deemed appropriate by the University, so long as the refacing does not impair the utility of the building to Edison.

3. Edison will permit the University to erect and use an enclosed walkway over the Substation, subject to Edison's reasonable requirements for clearance, access, and liability.

4. Edison will pay the University $100,000 to be applied toward the cost of this project.

In the placement of the screening wall, an exchange of certain land areas between the University and Edison may be indicated. When and if such exchange is desired, specific Board approval will be requested therefor.

Funds are available in the state capital appropriations to the University from the Universities Building Fund for the Congress Circle Campus and have been released.

I concur.

On motion of Mr. Dilliard, this agreement was authorized.

HOUSING AND HOME FINANCE AGENCY LOAN FOR CONSTRUCTION OF MEDICAL CENTER STUDENT UNION AND HOUSING FACILITY

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of:

An application to the Housing and Home Finance Agency for a loan of $2,000,000 for construction of a new Student Union and Housing Facility at the Medical Center in Chicago, this amount representing approximately two-thirds of the estimated cost, the loan to be repaid from student fee income and operations;

An issue of $1,000,000 of revenue bonds to be sold publicly to finance part of the construction cost, the bonds to be amortized from student fee income and operations;

Employment of Chapman and Cutler, Chicago, as counsel for the bond issue;

Advertisements for bids on the construction of the building and for the sale of bonds at times deemed most appropriate by the Vice-President and Comptroller.

I concur.

On motion of Mr. Swain, these recommendations were approved, and authority was given as requested by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

ADDITION TO CONTRACT FOR FIRST ADDITION TO ORCHARD DOWNS APARTMENTS

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $9,800 in a contract with Shapland Construction Company, Champaign, for construction of the first addition to Orchard Downs for modifications and installation of insulated panels in the living room window wall panels to provide for added temperature control.

Funds are available in the Housing Division budget.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

EMPLOYMENT OF ARCHITECTS

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of Richardson, Severns, Scheeler, and Associates, Champaign, for architectural services on the University's Research and Training Building at the Mental Health Center at a fee not to exceed 6 per cent of construction costs, which will include preliminary design, working drawings and specifications, preliminary studies for future expansion, and job supervision.
Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Pogue, this recommendation was approved.

COLLEGE OF EDUCATION BUILDING

(29) The Dean of the College of Education and its Executive Committee recommend that the new building for the College now under construction be officially designated as "The College of Education Building."

I concur.

On motion of Mrs. Watkins, this name was approved.

ILLINI GROVE

(30) A group of residents of Urbana-Champaign have submitted a petition addressed "To the President and the Board of Trustees of the University of Illinois" that Illini Grove "be maintained in its present condition as a beautiful wooded area for use by the students, faculty, and alumni of the University and the citizens of Urbana-Champaign for recreational purposes," and that in the event a change in the use of Illini Grove is contemplated, they be given an opportunity to appear at a meeting of the Board of Trustees.

I submit the petition, as requested. In replying to those representing the petitioners, I have pointed out that there is no formal recommendation before the Board for the use of Illini Grove as a building site in the near future or for any change in the present use of that facility.

The petition has already been answered and no further action is required.

PURCHASES

(31) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

<table>
<thead>
<tr>
<th>Item</th>
<th>Vendor</th>
<th>Department</th>
<th>Item Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One gas chromatograph with manual temperature programming, variable heat controls, detector collectors and injectors; one continuous type recorder and one disc integrator for use on recorder to be used in a teaching laboratory in chemistry</td>
<td>Wilkins Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>Chemistry and Chemical Engineering</td>
<td>$2,709 20 delivered</td>
<td></td>
</tr>
<tr>
<td>One wavelength spectrometer with accessory bar, observation tube, extension mount, spacers and glass plates for use in a teaching laboratory in Chemistry</td>
<td>Engis Equipment Co., Chicago</td>
<td>Chemistry and Chemical Engineering</td>
<td>$3,038 00 f.o.b. delivered</td>
<td></td>
</tr>
<tr>
<td>One universal testing machine, 300,000 pound capacity with load holding mechanism, six ranges, continuous type recorder, six scale ranges, and hydraulic loading and weighing system using fundamental quantities of mass and length</td>
<td>Riehle Testing Machines, Division of AMETEK, Inc., Westchester</td>
<td>Civil Engineering</td>
<td>$24,330 00 f.o.b. delivered</td>
<td></td>
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<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
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<tr>
<td>Two duplicators, offset, having printing area capacity up to 93½ in. by 13 in. and accommodate stock sizes from 3 in. by 5 in. to 11 in. by 17 in. with ten ream (5,000) sheet capacity, less trade-in of one offset duplicator, A. B. Dick Model 350</td>
<td>Library</td>
<td>Maginn Office Equipment Co., Champaign</td>
<td>$5 515-00</td>
<td></td>
</tr>
<tr>
<td>One lathe, precision, high capacity, 13 in. by 30 in. centers, 5 ft. 6¾ in. bed, with standard accessories</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>LeBlond Machine Tool Co., Oak Park</td>
<td>4 447-00</td>
<td></td>
</tr>
<tr>
<td>One machine, vertical, milling, complete with variable speed spindle drive, power table feed, motor, controls and extra collets and end mill adapter</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>Couch &amp; Heyle, Peoria</td>
<td>3 981-00</td>
<td></td>
</tr>
<tr>
<td>211 wood laboratory tables, for the Physics Building, Stage II; the sizes are as follows: 110 30 in. by 72 in. 60 36 in. by 72 in. 10 24 in. by 60 in. 15 30 in. by 60 in. 16 30 in. by 84 in.</td>
<td>Physical Plant</td>
<td>E. H. Sheldon Equipment Co., St. Louis, Mo.</td>
<td>20 439-00</td>
<td></td>
</tr>
<tr>
<td>Print and bind 35,000 copies Time Table, first semester, 1963-64, trim size 53½ in. by 8¾ in., approximately 344 pages per copy</td>
<td>University Press</td>
<td>Edwards Brothers Inc., Ann Arbor, Mich.</td>
<td>8 905-00</td>
<td></td>
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<tr>
<td>One lot of laboratory supplies and equipment</td>
<td>Illustration Studios, Medical Center</td>
<td>Watland, Inc., Chicago</td>
<td>43 904-00</td>
<td></td>
</tr>
<tr>
<td>Miscellaneous photographic and graphic arts chemicals as requested by Photography Department at Medical Center from July 1, 1963, through June 30, 1965</td>
<td></td>
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<tr>
<td>Optical goods and services for Illinois Eye and Ear Infirmary patients, July 1, 1963, through June 30, 1965</td>
<td>Ophthalmology</td>
<td>American Optical Co., Chicago</td>
<td>132 629-64 estimated</td>
<td></td>
</tr>
<tr>
<td>One six-channel polygraph and accessories, capable of expansion to fourteen channels</td>
<td>Medicine</td>
<td>Sanborn Co., Chicago</td>
<td>10 251-45 delivered</td>
<td></td>
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<tr>
<td>One automatic dual channel liquid scintillation spectrometer, with 200 sample capacity high-speed indexing and reset, completely transistorized</td>
<td>Animal Science</td>
<td>Packard Instrument Co., Inc., La Grange</td>
<td>12 550-00 f.o.b. delivered</td>
<td></td>
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<tr>
<td>One centrifuge, automatic, refrigerated with swinging bucket rotor, four tube carriers, twelve rubber pads, rubber stoppers and autoclavable polypropylene centrifuge tubes for use in research projects in botany requiring use of radioactive materials</td>
<td>Botany</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>3 822-70 f.o.b. delivered</td>
<td></td>
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<tr>
<td>One recorder, x-y, adjustable range or adjustable zero from 1 mo. to 20 mo. slide-wire span, course and fine zero adjustment on x axis; 100 to 1100 degrees c. linearized scale for y axis; 1 second span x axis and 4 second span y axis; resistance up to 2500 ohms; 9½ in. pen and chart travel; per lifter in x axis</td>
<td>Ceramic Engineering</td>
<td>Leeds &amp; Northrup Co., Munster, Ind.</td>
<td>2 706-44 f.o.b. delivered</td>
<td></td>
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<tr>
<td>Furnish and install barn equipment in the north and south barns of the Lincoln Avenue Dairy Barns, to replace present equipment that has been in service for approximately forty years</td>
<td>Dairy Science</td>
<td>Cissna Park Dairy Equipment, Cissna Park</td>
<td>8 648-27 f.o.b. delivered and installed</td>
<td></td>
</tr>
<tr>
<td>2,000 connectors, printed circuit, 22 pin double sided phosphor bronze wire wrapped terminals</td>
<td>Digital Computer Laboratory</td>
<td>Cinch Manufacturing Co., Howard B. Jones Division, Chicago</td>
<td>3 360-00 f.o.b. delivered</td>
<td></td>
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<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
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<td>---------------------------------------------------------------------</td>
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<tr>
<td>One plotter, instantaneous presentation</td>
<td>Electrical</td>
<td>Alford Manufacturing Co.</td>
<td>$10,964.00</td>
<td></td>
</tr>
<tr>
<td>automatic impedance and transfer characteristic, oscilloscope with</td>
<td>Engineering</td>
<td>Boston, Mass.</td>
<td>f.o.b.</td>
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<tr>
<td>a Smith chart display, and with RF equipment required to cover range of 2.5 to 1100 mc.</td>
<td></td>
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<td>Boston,</td>
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<tr>
<td>One oscilloscope, 3.5 kv, with eighteen calibrated square wave voltages 0.2 mv to 100 volts, with one dual-trace plug-in unit dc to 10m, one dual-trace plug-in unit dc to 650 kv, one delayed sweep plug-in unit, one wide-band amplifier 5 cps to 17 mc, one oscilloscope camera</td>
<td>Electrical</td>
<td>Tektronix, Inc.</td>
<td>$2,835.00</td>
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<td></td>
<td>Engineering</td>
<td>Park Ridge</td>
<td>f.o.b.</td>
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<tr>
<td>One scanning spectrometer with gratings, interchanging assembly, high resolution, proving ring assembly, mounting plate and power supply for research studies on PN junction lasers which emit light in a very narrow region of the spectrum</td>
<td>Electrical</td>
<td>Jarrell-Ash Co.,</td>
<td>$5,876.00</td>
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<td>Engineering</td>
<td>Newtonville, Mass.</td>
<td>f.o.b.</td>
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<tr>
<td>One gas chromatograph, dual column, temperature programmed with hydrogen flame ionization detectors, to be used in studies of food flavors in dehydrated food items</td>
<td>Electrical</td>
<td>Nangle &amp; Black, Inc.</td>
<td>$5,183.00</td>
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<td></td>
<td>Engineering</td>
<td>Champaign</td>
<td>f.o.b.</td>
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<tr>
<td>One spectrophotometer including ph and conductivity meters and four chromatographic columns, for use in the isolation and characterization of individual genetic messages</td>
<td>Microbiology</td>
<td>Spinco Division</td>
<td>$23,500.00</td>
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<td>Beckman Instruments, Inc.</td>
<td>f.o.b.</td>
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<td>Palo Alto, Calif.</td>
<td>Palo Alto</td>
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<tr>
<td>One zonal ultracentrifuge, temperature control system, continuous flow rotor and gradient pump for use in isolating, on a large scale, bacterial ribosomes and bacterial enzymes</td>
<td>Microbiology</td>
<td>Spinco Division</td>
<td>$14,800.00</td>
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<td></td>
<td>Beckman Instruments, Inc.</td>
<td>f.o.b.</td>
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<td>Palo Alto, Calif.</td>
<td>Palo Alto</td>
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</tr>
<tr>
<td>One biogen unit (continuous flow sterilizer) to be used for continuous cultivation of micro-organisms under controlled and reproducible conditions in research on the properties of various enzymes involved in dissimilatory sulfate reductions</td>
<td>Microbiology</td>
<td>American Sterilizer Co.,</td>
<td>$18,100.00</td>
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<tr>
<td></td>
<td></td>
<td>Chicago</td>
<td>f.o.b.</td>
<td></td>
</tr>
<tr>
<td>Three liquid scintillation spectrometers completely transistorized, with dual channels and coincidence system using a pair of matched multiplier phototubes in each instrument, less trade-in of two obsolete spectrometers</td>
<td>Microbiology</td>
<td>Packard Instrument Co., Inc.</td>
<td>$25,150.00</td>
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<td></td>
<td></td>
<td>La Grange</td>
<td>f.o.b.</td>
<td></td>
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<tr>
<td></td>
<td>Physics</td>
<td>Nuclear Data, Inc.</td>
<td>$18,775.77</td>
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<td>(Betatron)</td>
<td>Madison, Wis.</td>
<td>f.o.b.</td>
<td></td>
</tr>
<tr>
<td>Four detectors, totally depleted, manufactured from silicon wafers, for measurement and identification of particle mass as well as determination of particle energy</td>
<td>Physics</td>
<td>Oak Ridge Technical Enterprises Corp.,</td>
<td>$2,575.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Betatron)</td>
<td>Oak Ridge, Tenn.</td>
<td>f.o.b.</td>
<td></td>
</tr>
<tr>
<td>One tape to typewriter converter</td>
<td>One tape perforator with takeup reel for eight-level tape</td>
<td>Tally Register Corp., c/o Pivan Engineering, Chicago</td>
<td>$2,840.00</td>
<td></td>
</tr>
<tr>
<td>One tape reader with takeup reel for eight-level tape</td>
<td>One ultrafiltrain centrifuge with two rotors for research on the biological activity of nucleic acid fractions from differentiated protozoan cells</td>
<td>Spinco Division</td>
<td>$9,607.00</td>
<td></td>
</tr>
<tr>
<td>Print and bind 1,500 copies of Key to Trematodes in Animal and Man.</td>
<td>Zoology</td>
<td>Beckman Instruments, Inc.</td>
<td>f.o.b.</td>
<td></td>
</tr>
<tr>
<td>by Hisao P. Arai, approximately 416 pages, trim size 8½ in. by 11 in.</td>
<td></td>
<td>Palo Alto, Calif.</td>
<td>delivered</td>
<td></td>
</tr>
<tr>
<td>Print and bind 1,500 copies of Letters of the Lewis and Clark Expedition.</td>
<td>University Press</td>
<td>Cushing-Malloy, Inc.</td>
<td>$4,871.00</td>
<td></td>
</tr>
<tr>
<td>by Donald D. Jackson, trim size 6⅝ in. by 9⅛ in., approximately 736 pages per copy</td>
<td></td>
<td>Ann Arbor, Mich.</td>
<td>f.o.b.</td>
<td></td>
</tr>
<tr>
<td>Print and bind 1,500 copies of Letters of the Lewis and Clark Expedition.</td>
<td>University Press</td>
<td>The Colonial Press, Inc.</td>
<td>$4,338.65</td>
<td></td>
</tr>
<tr>
<td>by Donald D. Jackson, trim size 6⅝ in. by 9⅛ in., approximately 736 pages per copy</td>
<td></td>
<td>New York, N.Y.</td>
<td>f.o.b.</td>
<td></td>
</tr>
</tbody>
</table>
Item | Department | Vendor | Cost
---|---|---|---
Lease 183 miscellaneous 16 mm. films for a one-year period | Visual Aids Service | Encyclopedia Britannica Films, Inc., Wilmette | $2,889.00
230 stacking chairs, upholstered over fiberglass shell for use in the new Assembly Hall | Assembly Hall | S. Buckman Furniture & Supply Co., Spring Valley | $4,328.01
Forty-three fixtures, stage lighting, consisting of tormentor raceways, theatrical border lights, and theatrical spotlights for the Assembly Hall | Assembly Hall | Klueg Bros. Universal Electrical Stage Lighting Co., Inc., New York, N.Y. | $23,881.00
625,000 envelopes, 28 lb., brown kraft, gummed flap, open end, clasp, various sizes | Office Supply Storeroom | Business Envelope Manufacturers, Inc., Melrose Park | $10,350.00
300,000 envelopes, 20 lb., brown kraft, gummed flap, open end, catalog, various sizes | | | 
150,000 envelopes, 20 lb., brown kraft, gummed flap, open end, coin, various sizes | | | 
950,000 envelopes, 20 lb. giant kraft, gummed flaps, various sizes | | | 
An estimated ten-month supply for Office Supply Storeroom stock | | | 
115 folding tables, 30 in. by 72 in. by 29 in., with tempered hardboard surface, plywood core, phenolic backing sheet and angle steel edge, to be distributed to various departments for use as requested | Physical Plant | Rochelle's, Inc., Chicago | $2,587.50
100 each (approximately) fixtures, fluorescent, lighting, for two 40-watt lamps | Physical Plant | Graybar Electric Co., Peoria | $9,758.60
200 each (approximately) fixtures, fluorescent, lighting, for four 40-watt lamps | | | 
600 each (approximately) louvers, plastic for above fixtures | | | 
600 each (approximately) hangers for above fixtures | | | 
To be purchased as required by Physical Plant during the period May 1 through December 31, 1963 | Physical Plant, Chicago | Louis Pomerantz, Evanston | $4,550.00
Professional-artistic services to remove the canvas of five portraits of ex-presidents, artistically repair the paintings, and replace in repaired frames | Physical Plant, Chicago | Apex Motor Fuel Co., Chicago | $719.20
No. 5 fuel oil as required by Medical Center Steam Plant, July 1, 1963, to June 30, 1964; minimum quantity to be purchased will be 8,000 gallons, with option of purchasing additional quantities up to 450,000 gallons | Physical Plant, Chicago | | 
On motion of Mr. Johnston, these purchases were authorized.

**INVESTMENT REPORT**

Report of the Finance Committee

(32) The Finance Committee reported the following changes in investments of trust funds for the month of January, 1963:

**Endowment Pool**

<table>
<thead>
<tr>
<th>Sale</th>
<th>Purchased</th>
</tr>
</thead>
</table>
| 5 shares Standard Oil Company of New Jersey common | $2,967.60
| ¼ share Monsanto Chemical Company common | $24.78
| $2,000 U. S. Treasury bonds 4 per cent 8/15/72 | $2,034.38
| 7,000 Aluminum Company of America 4¼ per cent 1/1/82 | 7,096.25

**Report of the Comptroller**

The Comptroller reports the following changes in investments of unexpended and current funds, over which he has authority as indicated:
Current Funds
Restricted Group (June 20, 1962)

Purchase
$500,000 Ford Motor Credit Company notes 6/28/63 $492,416.67
500,000 Household Finance Corporation notes 6/28/63 492,416.67
300,000 Montgomery Ward Credit notes 6/28/63 492,416.67
600,000 U. S. Treasury bills 7/1/63 598,880.00

Four-H Memorial Camp (June 20, 1962)

Purchase
$6,000 U. S. Treasury bonds 2\(\frac{1}{2}\) per cent 9/15/72 $5,416.88

Construction Funds

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase
$300,000 U. S. Treasury bills 3/14/63 $298,651.00
300,000 U. S. Treasury bills 4/15/63 297,923.33
98,000 U. S. Treasury bills 5/16/63 97,062.47

Illini Union and Health Center (December 21, 1960)

Sale
$50,000 U. S. Treasury bills 1/15/63 $49,956.46
50,000 U. S. Treasury bills 3/14/63 49,828.50

Purchase
$113,000 U. S. Treasury bills 5/16/63 $111,922.73

Illinois Street Residence Halls (October 17, 1962)

Sale
$10,000 U. S. Treasury bills 2/14/63 $9,988.49

Purchase
$15,000 U. S. Treasury bills 7/1/63 $14,784.00

Orchard Downs and SG-2 (June 14, 1960)

Purchase
$270,000 U. S. Treasury bills 3/14/63 $268,584.30

Peabody Drive (October 21, 1959)

Purchase
$157,000 U. S. Treasury bills 3/14/63 $156,207.89

Pennsylvania Avenue Residence Halls

Purchase
$170,000 U. S. Treasury bills 2/14/63 $169,588.65
115,000 U. S. Treasury bills 2/21/63 114,816.64

Student Services Building (May 17, 1961)

Purchase
$85,000 U. S. Treasury bills 2/14/63 $84,817.68

Sinking Funds

Housing Revenue Bonds (December 17, 1958; June 23, 1959; October 21, 1959; June 14, 1960; June 21, 1961; May 24, 1962; and October 17, 1962)

Purchase
$111,000 U. S. Treasury bills 3/21/63 $110,139.20
111,000 U. S. Treasury certificates 3\(\frac{1}{2}\) per cent 8/15/63 111,450.94

Men's Residence Halls of 1956 (March 23 and September 18, 1956)

Purchase
$14,000 U. S. Treasury bonds 3 percent 2/15/64 $14,000.00
1,000 U. S. Treasury notes 3\(\frac{3}{4}\) per cent 8/15/64 1,008.75

Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

Purchase
$190,000 U. S. Treasury bonds 3 per cent 2/15/64 $190,118.75
5,000 U. S. Treasury notes 3\(\frac{3}{4}\) per cent 8/15/64 5,056.25
COMPTROLLER'S REPORT OF CONTRACTS

(33) The Comptroller's report of contracts executed during the period March 1 to 31, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homewood Park District</td>
<td>Appraisal of existing park and recreation areas with recommendations for additional facilities</td>
<td>$600.00</td>
<td>March 7, 1963</td>
</tr>
<tr>
<td>Eli Lilly Co.</td>
<td>Ovulation time and active steroids in livestock</td>
<td>$2,330.00</td>
<td>March 11, 1963</td>
</tr>
<tr>
<td>Truax-Traer Coal Co.</td>
<td>Evaluation of a coal-like substance known as leonardite</td>
<td>$9,000.00</td>
<td>March 6, 1963</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Quantum and solid state electronics</td>
<td>$57,485.00</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Problems related to optical communications</td>
<td>$83,718.00</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Electromagnetic wave interaction techniques</td>
<td>$30,000.00</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Processes in the ionosphere by means of gyro interaction experiments</td>
<td>$40,000.00</td>
<td>October 1, 1962</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Behavior of soil and rock subjected to high stress levels</td>
<td>$50,000.00</td>
<td>March 1, 1963</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Generating and utilizing coherent electromagnetic radiation in the submillimeter and interwave region</td>
<td>$85,000.00</td>
<td>October 1, 1962</td>
</tr>
<tr>
<td>United States Army</td>
<td>Electromagnetic and ferret reconnaissance antenna techniques</td>
<td>$120,000.00</td>
<td>December 11, 1962</td>
</tr>
<tr>
<td>United States Army</td>
<td>Equilibrium solutions of nitrogen in columbium-base alloys</td>
<td>$20,000.00</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td>United States Army</td>
<td>Information processing capability of signal analysis system</td>
<td>$25,000.00</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td>United States Army</td>
<td>Mechanism of action of synergists for toxic agents</td>
<td>$22,200.00</td>
<td>February 15, 1963</td>
</tr>
<tr>
<td>United States Army</td>
<td>Initiation and stability of detonation waves</td>
<td>$29,615.00</td>
<td>March 1, 1963</td>
</tr>
<tr>
<td>United States Army</td>
<td>Dislocations and point defects</td>
<td>$25,000.00</td>
<td>February 1, 1963</td>
</tr>
<tr>
<td>United States Army</td>
<td>Determination of free chlorine residuals in water</td>
<td>$10,481.00</td>
<td>February 15, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission</td>
<td>Physical, chemical, and biological equilibria in natural waters</td>
<td>$29,492.00</td>
<td>February 15, 1963</td>
</tr>
<tr>
<td>United States Department of Agriculture</td>
<td>Factors causing digestive disturbances from soybeans</td>
<td>$32,460.00</td>
<td>February 28, 1963</td>
</tr>
<tr>
<td>United States Department of Commerce</td>
<td>Feasibility of a plastic covered greenhouse vegetable industry in Southern Illinois</td>
<td>$11,250.00</td>
<td>February 22, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Community decision-making and change and their influence upon education</td>
<td>$22,291.00</td>
<td>February 15, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Implications of the new media for the teaching of library science</td>
<td>$30,524.00</td>
<td>February 18, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Prepare a two-year post high school curriculum guide for civil technology</td>
<td>$14,250.00</td>
<td>February 25, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Effects of an endurance exercise program on the serum lipids, total body fat, and selected cardiovascular disease variables</td>
<td>$4,320.00</td>
<td>January 20, 1963</td>
</tr>
</tbody>
</table>
### Physiological and biochemical factors that influence the formation and germination of bacterial spores

**United States Navy**
Nonr-3985(01)

**Pre-programmed self-instruction and self-programmed individualized education**

**United States Navy**
Nonr-3985(04)

**Mechanics of failure of glass reinforced plastics under compressive loads**

**United States Navy**
Nonr-3985(05)

**Total**

### Leases

**With Whom**

**Allis-Chalmers Manufacturing Co.**
International Business Machines Corp.
International Harvester Co.
Massey-Ferguson, Inc.

**Purpose**

- Rental of farm machinery: One forage blower with attachments
- I.B.M. equipment: One numeric key punch, one card sorter, two card punchers
- Rental of farm machinery, two items: $43.07 and $896.45
- Rental of farm machinery: One tractor with attachments

**Amount to be Paid by the University**

$109 14
1 584 00
939 52
302 02

**Effective Date**

- January 18, 1963
- December, 1962, January and March, 1963
- July, 1962, and February, 1963
- February 27, 1963

### Contract Changes

**With Whom**

**Crop-Hail Insurance Actuarial Association**
State of Illinois Department of Conservation
United States Air Force AF-33(657)-7619
United States Army DA-18-108-405-CML-317
United States Atomic Energy Commission AT(11-1)-1127
United States Atomic Energy Commission AT(11-1)-1142
United States Navy Nonr-1834(03)

**Purpose**

- Factors producing hailstorms in Illinois
- Fisheries research
- Time and temperature dependence of the ductile brittle transition in metals
- Evaluate the behavior of immiscible fluids (gases and liquids) in porous solid media
- Specialized training through summer institutes in the field of nuclear science
- Field of radio chemistry
- Methods of analysis of structural and machine elements

**Amount to be Paid to the University**

- $6 000 00
- $32 500 00
- $24 959 00
- $23 575 00
- $19 618 00
- $36 900 00
- $68 000 00

**Effective Date**

- February 18, 1963
- February 14, 1963
- March 14, 1963
- March 8, 1963
- January 15, 1963
- February 1, 1963
- March 18, 1963

**Total**

$188 730 19

### Adjustments Made in 1962-63 Cost-Plus Contracts

**With Whom**

Harry F. Fisher (Plastering)

**Purpose**

- Twenty-five items: $53.53 deduct to $1,377.63

**Amount**

- $3 371 32

**Date**

- February and March, 1963

### Summary

**Amount to be paid to the University**

$1 090 179 19

**Amount to be paid by the University**

$6 306 00

This report was received for record.

**ANNUAL REPORT OF THE TREASURER**

(34) In accordance with the By-Laws of the Board of Trustees, the Treasurer of the University has submitted a report of receipts and disbursements of University funds in his custody for the period March 1, 1962, to February 28, 1963, certified by the Comptroller. A copy of this report was sent to each member of the Board.
of Trustees prior to today's meeting, and a copy is filed with the Secretary of the Board.

This report was received for record.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and terminations; leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ANDERSON, TRUMAN O., Assistant Professor of Medicine and of Microbiology (Medicine), six months from March 1, 1963, $9,000 a year, supersedes (3-13-63).

BRIGGS, CARLETON W., Associate Professor of Art, 27/100 time, June 21-August 9, 1963, $359, additional (3-11-63).

BUNINASRAK, PETER, Research Associate in Surgery (Medicine), 3/5 time, six months from March 1, 1963, $3,000 a year, supersedes (3-13-63).

CAINNS, STEWART S., Research Professor of Mathematics, two months from June 16, 1963, $3,668; this is in addition to his present appointment (3-18-63).

CURNYN, ARNOLD D., Assistant in Ophthalmology (Medicine), nine months from October 1, 1962, without salary (3-4-63).

DIPERT, ARNOLD W., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, $1,112 for the period, supersedes previous Summer Session appointment (3-8-63).

DIXIT, SARYU NARAIN, Research Associate in Chemistry (Pharmacy), five months from April 1, 1963, $800 a month (4-2-63).

DUDLEY, JAMES, Assistant in Education, Summer Session of 1963, July 15-August 10, 1963, $545 for the period (3-28-63).

DUGGAN, THOMAS J., Assistant in Sociology, 1/2 time, and Research Assistant in the Office of Community Development (Provost's Office), 1/2 time, February 1-June 15, 1963, $2,000, supersedes (3-28-63).

EGERT, PAUL R., Associate Professor of Electrical Engineering (C), 1/2 time, two months from June 16, 1963, $696, additional (3-4-63); and, in the Summer Session of 1963, 2/3 time, June 17-August 10, 1963, $1,393 for the period, additional and superseding (3-8-63).

EMERY, WILLIS L., Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, $2,889 for the period, supersedes previous Summer Session appointment (3-8-63).

FLEEGER, JAMES L., Research Associate in Dairy Science (S), six months from March 1, 1963, $6,750 a year (3-18-63).

FUJII, (MISS) SAKIKO, Assistant in Animal Science (S), March 15-August 31, 1963, $5,000 a year (3-7-63).

GARRETT, BARRY B., Research Associate in Chemistry, March 16-August 31, 1963, $500 a month (4-2-63).

GLEM, DONALD L., Research Associate in Surgery (Medicine), 95/100 time, January 7-August 31, 1963, $4,680, supersedes (3-18-63).

GOLDMAN, ELAINE D., Assistant in Mathematics (Chicago Undergraduate Division), February 1-June 15, 1963, $511.11 a month (3-13-63).

GUNNER, GOTTHARD, Visiting Research Associate Professor of Electrical Engineering (S), 1/2 time, nine months from December 1, 1962, $4,750 a year, supersedes (3-18-63).

HAMM, CHARLES E., Visiting Lecturer in Music, Summer Session of 1963, June 17-August 10, 1963, $2,500 for the period (3-8-63).

HANG, DANIEL F., Associate Professor of Electrical Engineering, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $1,167 for the period; this is in addition to his Summer Session appointment as Associate Professor of Nuclear Engineering, 1/2 time (3-8-63).

HARLING, MRS. SARAH K., Research Associate in Veterinary Pathology and Hygiene (Veterinary Medicine), 3/5 time, February 6-August 31, 1963, $4,900 a year, supersedes (2-28-63).
HARNISH, Benjamin F., Instructor in Architecture, 27/100 time, June 21-August 9, 1963, $237; this is in addition to his present appointment (3-11-63).

HAY, William W., Professor of General Engineering (C), one month from June 16, 1963, $1,190; this is in addition to his present appointment (3-1-63).

Hertzberg, Alvin, Visiting Lecturer in Elementary Education, July 1-August 23, 1963, $2,300 (3-1-63).

Hesselberth, Cassius A., Instructor in Electrical Engineering, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $578 for the period (3-8-63).

Hudson, Paul K., Assistant Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, $2,112 for the period, supersedes previous Summer Session appointment (3-8-63).

Ibuki, Kimio, Visiting Research Associate in the Digital Computer Laboratory, one year from March 16, 1963, to render service during the academic year, $6,500 (3-21-63).


Jones, Edwin C., Jr., Assistant Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, $1,689 for the period, supersedes previous Summer Session appointment (3-8-63).

Kahn, Alan R., Research Associate in Otolaryngology (Medicine), five months from April 1, 1963, without salary (3-18-63).

Kaufmanis, Karlis, Visiting Lecturer in Astronomy, July 22-August 23, 1963, $2,050 (3-1-63).

Konrad, Fred K., Research Assistant in the Coordinated Science Laboratory (C), six months from March 1, 1963, $6,000 a year (3-13-63).

Larson, Bernt O., Professor of General Engineering (C), full time, June 16-June 30, 1963, $655, and July 1-August 2, 1963, 1/2 time, $1,311; this is in addition to his present appointment (3-13-63).

Lavatelli, Leo S., Professor of Physics, Summer Session of 1963, June 17-August 10, 1963, $3,000 for the period (3-8-63).

Lintner, Richard L., Visiting Lecturer in Physics, Summer Session of 1963, June 17-August 10, 1963, $2,200 for the period (3-8-63).

Monegold, Gerald E., Instructor in Firemanship Training, Division of University Extension, five months from April 1, 1963, $6,240 a year (3-25-63).

Nuttall, Mildred, Assistant Professor and Assistant State Leader Home Advisers (Home Economics) (E), five months from April 1, 1963, $9,300 a year (3-11-63).

Partridge, Robert W., Jr., Visiting Lecturer in Electrical Engineering (Chicago Undergraduate Division), 1/2 time, five months from February 1, 1963, $1,500 (3-8-63).


Phillips, Monte L., Instructor in General Engineering (C), academic year beginning September 1, 1963, $6,500 (3-13-63).

Pierce, Gail, Research Associate in Elementary Education, beginning July 1 and continuing through August 23, 1963, $1,289 (3-1-63).

Propst, Franklin M., Research Assistant Professor in the Coordinated Science Laboratory and of Physics (C), five months from April 1, 1963, $816.66 a month, supersedes (3-25-63).

Prothe, Wilbert C., Senior Research Engineer and Assistant to the Director of the Coordinated Science Laboratory (C), five months from April 1, 1963, $1,166.66 a month, supersedes (3-14-63).


Ricks, Philander, Jr., Assistant Professor of Obstetrics and Gynecology (Medicine), two months from July 1, 1963, $1,041.66 a month (3-1-63).

Roberts, Margaret R., Research Assistant in the State Water Survey, March 4-June 30, 1963, $433.33 a month (3-11-63).

Ryan, David G., Professor of Mechanical Engineering (C), 1/2 time, two months from June 16, 1963, $977; this is in addition to his present appointment (3-4-63).

Sasner, John J., Jr., Research Associate in Physiology and Biophysics, six months from March 1, 1963, $6,600 a year (3-13-63).
SCHWEITZER, RUSSELL, Assistant Chief Pharmacist in Hospital Pharmacy (Pharmacy), March 11-August 31, 1963, $8,000 a year (3-13-63).
SCOTT, DONALD W., Associate Professor of Marketing, Bureau of Business Management, two months from June 16, 1963, $2,400, superseding and additional (3-8-63).
SCEGGE, DIEGO, Professor of Veterinary Microbiology and Public Health, Department of Veterinary Pathology and Hygiene (Veterinary Medicine), and of Veterinary Research (Agricultural Experiment Station), and Senior Staff Center for Zoonoses Research, two months from June 16, 1963, $2,600; this is in addition to his present appointment (3-1-63).
SIMON, MRS. ELLEN M., Research Associate in Zoology, 1/4 time, five months from April 1, 1963, $166.67 a month (3-18-63).
SMITH, HELEN L., Visiting Lecturer in Social Sciences (Chicago Undergraduate Division), 2/3 time, to render service during the second semester of the academic year, February 1-June 30, 1963, $2,800 (3-13-63).
STALLMEYER, JAMES E., Professor of Civil Engineering (C), 1/3 time, two months from June 16, 1963, $844; this is in addition to his present appointment (3-4-63).
STEVENS, ROLLAND E., Visiting Lecturer in the Graduate School of Library Science, Summer Session of 1963, June 17-August 10, 1963, $2,000 (3-4-63).
SUDHOFF, HERBERT A., Executive Officer, Naval Science, 1/10 time, eight months from January 1, 1963, $600 a year (3-18-63).
VASIL, VIMLA, Research Associate in Agronomy (S), six months from March 1, 1963, $6,000 a year (3-14-63).
WHEATLEY, ROBERT C., Visiting Lecturer in Physics, Summer Session of 1963, June 17-August 10, 1963, $2,000 for the period (3-8-63).
WILSON, VELMA K., Professor of Music, 27/100 time, June 21-August 9, 1963, $390; this is in addition to her present appointment (3-11-63).

FELLOWS
(The following appointments were made by the President of the University.)

FELLOWS
(The following appointments were made by the President of the University.)

BOTTORFF, RALPH S., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $4,360, superseded (2-28-63).
BRODER, STEFAN L., United States Public Health Service Fellow (Trainee) in Biological Chemistry, five months from February 1, 1963, $1,000 (2-6-63).
DEARMOND, MERVIN K., United States Public Health Postdoctoral Fellow (Trainee) in Chemistry, one year from February 1, 1963, $6,000 (3-20-63).
GEMRICH, EDWIN G., II, Fellow in Entomology, two months from June 16, 1963, $375 (3-30-62).
LITWACK, MARCIA D., United States Public Health Service Fellow (Trainee) in Biological Chemistry, March 15-June 30, 1963, $670.81 (3-6-63).


**RESIGNATIONS, DECLINATIONS, AND TERMINATIONS**

ALLEN, ARNON R., Assistant Professor of Agricultural Law — resignation effective May 17, 1963.


DOOLEY, RAYMOND W., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science — resignation effective March 16, 1963.

FISHER, ROGER J., Research Assistant in Sociology — resignation effective March 1, 1963.

GUIRE, PATRICK, Research Assistant in Chemistry — resignation effective April 1, 1963.

ICHIYARU, SETSUO, Research Associate in Physics — resignation effective April 1, 1963.

KOSANKE, ROBERT M., Associate Professor of Botany — resignation effective April 1, 1963.


MOSS, JAMES W., Assistant Professor of Education, in the Institute for Research on Exceptional Children — resignation effective September 1, 1963.

PASTERNACK, ROBERT F., Research Associate in Chemistry — resignation effective March 14, 1963.

PETE~SON, HELEN C., Research Associate in the Bureau of Economic and Business Research — resignation effective April 1, 1963.

POSTGATE, JOHN R., Visiting Professor of Microbiology — resignation effective April 1, 1963.

REES, MRS. CANDIDA K., Instructor in Mathematics (Chicago Undergraduate Division) — resignation effective March 13, 1963.

RESEK, ROBERT W., Assistant Professor of Economics, Summer Session of 1963 — declination effective June 17, 1963.

ROSE, JAMES W., Research Assistant in Civil Engineering — resignation effective March 16, 1963.

ROSS, DONALD A., Instructor in Psychology (Psychiatry) and in the Department for Crippled Children (Medicine) — declaration effective September 1, 1962.

RUSKIN, BYRON, Assistant in Pathology — termination effective October 1, 1962.

SAMUELS, ARNOLD, Part-time Medical Student Research Fellow in Biological Chemistry — termination effective February 1, 1963.


STEINKAMP, STANLEY W., Assistant Professor of Economics, Summer Session of 1963 — declination effective June 17, 1963.

STENDLER, CELIA B., Professor of Education, Summer Session of 1963 — declination effective June 17, 1963.

TOMASSON, RICHARD F., Assistant Professor of Sociology, Summer Session of 1963 — resignation effective June 17, 1963.

**LEAVES OF ABSENCE**

APPLEQUIST, DOUGLAS E., Associate Professor of Organic Chemistry — leave of absence, without pay, for six months from March 1, 1964, so that he may accept a visiting professorship at Harvard University.

LÜSCHER, EDGAR, Research Associate Professor of Physics, and in the Coordinated Science Laboratory — leave of absence, without pay, from August 1, 1963, through August 31, 1964, so that he may spend that time in research at the Max Planck Institute for Astrophysics in Munich, Germany.
SCOTT, ROBERT E., Professor of Political Science—leave of absence, without pay, for one year from September 1, 1963, so that he may do research work at the Brookings Institution in Washington.

TOMASSON, RICHARD F., Assistant Professor of Sociology, and in the Division of General Studies—leave of absence, without pay, for two years from September 1, 1963, so that he may spend that period in research at universities in Sweden.

EX OFFICIO ASSIGNMENTS OF PRESIDENT OF THE BOARD

President Clement announced that in view of his duties as President of the Board he is asking to be relieved of the following assignments:

University of Illinois Foundation. The President of the Board of Trustees or a member of the Board designated by him is ex officio a member of the Board of Directors of the University of Illinois Foundation. Mr. Clement announced that he is designating Mr. Williamson as his replacement, to serve until further notice.

University Retirement System. Mr. Clement asked that some other member of the Board be elected to replace him on the Board of Trustees of the University Retirement System of Illinois.

On motion of Mr. Johnston, Mr. Pogue was unanimously elected as a member of the Board of Trustees of the University Retirement System of Illinois. The other previously elected representatives are Mr. Hughes and Mr. Williamson.

STANDING COMMITTEES FOR 1963-64

President Clement called attention to the fact that standing committees of the Board are usually appointed by its President shortly after the March meeting. He stated that he had deferred making appointments for 1963-64 in anticipation that the vacancy on the Board, vice Judge Richard A. Harewood, would soon be filled so that the new Trustee could be included in committee assignments. He further stated that he would make the appointments in the near future after consultation with Trustees concerning their preferences.

USE OF UNIVERSITY FACILITIES FOR ADDRESSES BY CANDIDATES FOR PUBLIC OFFICE

President Clement requested the Committee on General Policy to review the University's current policy governing the use of campus facilities by candidates for election to public office to determine if the policy should be revised and to make a recommendation to the Board.

EXECUTIVE SESSION

President Clement announced that an executive session has been requested, and was being ordered, for consideration of reports and recommendations relating to property acquisitions and certain faculty appointments, and that this session would be held following a recess.

On motion of Mrs. Watkins, the Board recessed at 12:00 noon.

The Board reconvened at 1:30 p.m., and the same members and officers of the Board were present at the executive session as recorded at the beginning of these minutes, with the exception of Mr. Ray Page and Mr. R. R. Manchester, who asked to be excused; the same officers of the University were present as recorded at the beginning of these minutes with the exception of Mr. George H. Bargh, Mr. Fred H.
Turner, and Mr. Paul R. Shaffer. The Board considered the following recommendations for land acquisitions.

**PURCHASE OF PROPERTY AT 1307 WEST MAIN STREET, URBANA**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1307 West Main Street, Urbana, Illinois, at a price of $29,000, required as part of the site for construction of the new Civil Engineering Building.

The property consists of a lot 66 feet by 132 feet (8,712 square feet) and is improved with a two-story and basement frame dwelling.

The Committee on Buildings and Grounds has been consulted regarding this purchase and recommends approval.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, the purchase of this property, at the price recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 208 NORTH ROMINE STREET, URBANA**

(2) Representatives of the University have been negotiating for the purchase of the property at 208 North Romine Street, Urbana, Illinois, required as a part of the site for construction of the new Civil Engineering Building.

The property consists of a lot 66 feet by 66 feet (4,356 square feet) and is improved with a two-story and basement frame dwelling.

A price of $25,000, based on appraisals secured by the University, was suggested to the owner who was advised that if the price is agreed to, a recommendation would be made to the Board of Trustees for purchase of the property. The price is not acceptable to the owner, whose asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees exercise its power to acquire the property by eminent domain and authorize condemnation proceedings for its acquisition.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution.

**Resolution Authorizing Condemnation of Property at 208 North Romine Street, Urbana, Illinois**

Be It, and It is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The North one-half (½) of Lot Five (5) In Block Fifty-one (51) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, in the State of Illinois

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for a Civil Engineering Building and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said
owner has refused to sell and convey said land, or any portion thereof, to said The
Board of Trustees of the University of Illinois for such price and continues to
refuse to sell and convey the same to it except for a consideration and price which
this Board of Trustees deems unreasonable and excessive and is, therefore, un-
willing and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board
of Trustees of The Board of Trustees of the University of Illinois that the com-
ensation to be paid by it for said land cannot be agreed upon between this Board
of Trustees and the owners of said property and they and it are unable to agree
upon the purchase price to be paid to said owners for the sale and conveyance of
said land by said owners thereof to said The Board of Trustees of the University
of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared
by this Board of Trustees of The Board of Trustees of the University of Illinois
that because of said need of the University of Illinois for said land for the pur-
oposes hereinabove set forth and because the compensation to be paid to the
owners thereof for such land cannot be agreed upon between them and this Board
of Trustees, it is necessary for The Board of Trustees of the University of Illinois
to take said land and acquire title thereto through the exercise by it of the right
of eminent domain conferred upon it by law and to have the compensation to be
paid by it to the owners thereof and any and all other persons who may have any
right, title or interest in and to said land determined in the manner provided by
law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The
Board of Trustees of the University of Illinois that the necessary and appropriate
action be taken for the acquisition of title to said property by said The Board of
Trustees of the University of Illinois and to have the compensation to be paid
therefor determined by the institution and prosecution to completion of a proceed-
ing in eminent domain in a court of competent jurisdiction and that the legal
Counsel of the University be, and he is hereby, authorized to proceed accordingly,
to institute and prosecute an eminent domain proceeding in the name and on
behalf of The Board of Trustees of the University of Illinois for the acquisition
of said land and the determination of the compensation to be paid by it therefor,
and to employ such special legal counsel, appraisers, and others as he may deem
necessary or desirable to assist him in the institution and prosecution of said
proceeding.

On motion of Mr. Johnston, the foregoing resolution was adopted
by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes,
Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson;
no, none; absent, Mr. Kerner, Mr. Page.

APPOINTMENTS TO THE ACADEMIC STAFF
President Clement recalled to the attention of the Board suggestions
which have been made and discussed at meetings of Board committees
that special consideration be given to appointments to the faculty and
permanent tenure positions of qualified Negroes. He stated that he
will appoint a special committee to consider the matter in consultation
with appropriate University officers.

On motion of Mr. Johnston, the Board adjourned.
The May meeting of the Board of Trustees of the University of Illinois was held in Chicago, Illinois, on Wednesday, May 15, 1963, in two sessions: in the Chicago Illini Union Building at the Medical Center, beginning at 11:00 a.m.; and in the LaSalle Hotel, beginning at 7:30 p.m. The evening session was scheduled for the award of contracts for the construction of Congress Circle and was held in the LaSalle Hotel for the convenience of the public and particularly representatives of contractors and others interested in the Congress Circle projects.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson, Mr. Wayne A. Johnston and Governor Otto Kerner were absent. Mr. Johnston joined the meeting for the evening session and Mr. Page asked to be excused following the recess at the conclusion of the forenoon session.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker of the Chicago Undergraduate Division, Vice-President Joseph S. Begando of the University of Illinois at the Medical Center, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville and Mr. Edward S. Sefcik, Assistants to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Andrew Barber</td>
<td>Hazel Crest, Illinois</td>
<td>New York</td>
</tr>
<tr>
<td>Cecil John McDowell</td>
<td>Creve Coeur, Missouri</td>
<td>California</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Hughes, these certificates were awarded.

ADVISORY COMMITTEE FOR THE COLLEGE OF VETERINARY MEDICINE

(2) The Dean of the College of Veterinary Medicine recommends the following appointment and reappointments to the Advisory Committee for the College of Veterinary Medicine for terms ending August 31, 1965:

William J. Kuhrfuss, President, Illinois Agricultural Association, Bloomington (new)

Donald I. Dean, Route 3, Champaign (reappointment)

A. B. McConnell, Woodstock (reappointment)

I concur.

On motion of Mr. Swain, these appointments were approved.

APPOINTMENTS TO THE UNIVERSITY OF ILLINOIS CITIZENS COMMITTEE

(3) I submit the following nominations for appointments to the University of Illinois Citizens Committee for a period of three years beginning January 1, 1963.

Herbert P. Bicknell
Farmer
Lovington, Illinois

James Brown IV
Executive Director, Chicago Community Trust
10 South LaSalle Street
Room 1340
Chicago 3, Illinois

Francis A. Boyle
Farmer
McNaab, Illinois

Avery Brundage
Executive
10 North LaSalle Street
Chicago 2, Illinois

M. Wendell Carlton, D.D.S.
Dentist
McLeansboro, Illinois

Martin Chandler
President, Northern Illinois Gas Company
50 Fox Street
Aurora, Illinois

Mrs. Sherret S. Chase
Homemaker
612 South Main Street
Sycamore, Illinois

Charles S. Craigmille
President, Belden Manufacturing Company
415 South Kilpatrick Avenue
Chicago 44, Illinois

Percy L. Julian
President, The Julian Laboratories, Inc.
9352-58 West Grand Avenue
Franklin Park, Illinois
On motion of Mr. Williamson, these appointments were approved.

APPOINTMENTS TO THE FACULTY

(4) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. CLARENCE C. LEVERENZ, Director of Union and Housing, in the Physical Plant Department, Medical Center Campus, beginning May 16, 1963, at an annual salary of $10,700 (DY).

2. ELBERT EUGENE OLIVER, Associate Dean of Admissions and Records, for two years beginning September 1, 1963, with rank of Associate Professor on indefinite tenure, at an annual salary of $15,000 (BY, AY).

3. KAMAL NATH SHARMA, Visiting Research Assistant Professor of Psychology and of Physiology, beginning May 1, 1963, at an annual salary of $8,940 (DY).

4. ANTONIO TOVAR, Professor of the Classics, beginning September 1, 1963, at an annual salary of $13,500 (A).

5. HERBERT C. QUAY, Associate Professor of Psychology and Special Education, on indefinite tenure, and Research Director of the Children's Research Center, from September 1, 1963, at an annual salary of $16,500 (AY, BY).

On motion of Mr. Pogue, these appointments were confirmed.

HEADSHIP OF THE DEPARTMENT OF MICROBIOLOGY

(5) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Dr. L. Leon Campbell as Professor of Microbiology on indefinite tenure and Head of the Department of Microbiology beginning September 1, 1963, to succeed Professor Kimball C. Atwood who has asked to be relieved of his administrative responsibilities to devote full time to teaching and research. The salary of this position will be determined when the budget for 1963-64 is submitted to the Board of Trustees for approval.

This recommendation is submitted after consultation with all members of the Department of Microbiology and is supported by the Executive Committee of the School of Life Sciences, the Dean of the Graduate College, and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Hughes, this appointment was approved.

DEPARTMENT OF INDUSTRIAL ADMINISTRATION

(6) After consultation with the members of the two departments concerned, and with the concurrence of the Executive Committee of the College, the Dean of the College of Commerce and Business Administration recommends that the Department of Management and the Department of Business Law be merged into a single Department of Industrial Administration which will more nearly meet the requirements of present day education for business. The present Acting Head of the Department of Management, Professor Irvin L. Heckmann, is leaving the University to become Dean of the College of Business Administration at Creighton
University, and Professor Kenneth U. Flood, Acting Head of the Department of Business Law, has asked to be relieved of his administrative assignment to devote full time to teaching and research.

The Dean also recommends the appointment of Dr. E. Joe DeMaris, Associate Professor of Accountancy, as Head of the Department of Industrial Administration for two years from September 1, 1963. The salary of this position will be determined when the budget for 1963-64 is presented to the Board of Trustees for approval.

The Executive Vice-President and Provost and the Dean of the Graduate College concur in these proposals.

I recommend approval.

On motion of Mr. Swain, these recommendations were approved.

DEANSHIP OF COLLEGE OF LIBERAL ARTS AND SCIENCES
CHICAGO UNDERGRADUATE DIVISION

(7) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Dr. Glenn Terrell, Jr., presently Professor of Psychology and Associate Dean of Arts and Sciences at the University of Colorado, as Professor of Psychology on indefinite tenure and Dean of the College of Liberal Arts and Sciences at the Chicago Undergraduate Division for two years, beginning September 1, 1963, at an annual salary of $21,000 on a twelve-month service basis.

This appointment is within the new organizational framework of the University of Illinois at Congress Circle as previously authorized by the Board of Trustees. The recommendation is submitted after consultation with the Academic Advisory Council at the Chicago Undergraduate Division and the Dean of the College of Liberal Arts and Sciences at Urbana, and is concurred in by the Dean of the Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

CERTIFICATE OF ADVANCED STUDY IN LIBRARIANSHIP

(8) The Urbana-Champaign Senate recommends authorization of a proposal from the Graduate School of Library Science approved by the Executive Committee of the Graduate College to grant a Certificate of Advanced Study in Librarianship for those persons who wish to take specialized courses in librarianship beyond the master's degree but are not seeking a doctor's degree.

The requirements are: (1) a master's degree from an accredited library school; (2) successful completion of at least two years' work in a library subsequent to receiving the master's degree; and (3) completion of eight units of graduate courses at the University of Illinois at least half of which shall be in the Graduate School of Library Science with grades meeting the Graduate College standards.

The Senate Coordinating Council has advised that no other Senate jurisdiction is involved.

I concur, subject to further action by the Board of Higher Education.

On motion of Mr. Swain, this recommendation was approved.

SUMMER SPEECH CLINICS

(9) The Director of the Division of Services for Crippled Children and the Vice-President of the Medical Center Campus recommend, and I concur, that the Division be authorized to continue speech clinics during the summer of 1963 at the following institutions of higher education in Illinois on a reimbursable cost basis:

<table>
<thead>
<tr>
<th>Institution</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Augustana College, Rock Island</td>
<td>$ 9,585.00</td>
</tr>
<tr>
<td>Northern Illinois University, DeKalb</td>
<td>$ 12,265.00</td>
</tr>
<tr>
<td>Southern Illinois University, Carbondale</td>
<td>$ 11,215.00</td>
</tr>
<tr>
<td>Illinois State Normal University, Normal</td>
<td>$ 11,576.66</td>
</tr>
<tr>
<td>A similar clinic at the University of Illinois at Urbana</td>
<td>$14,305.00</td>
</tr>
</tbody>
</table>

A similar clinic at the University of Illinois at Urbana...$14,305.00
Funds are available in the budget of the Division of Services for Crippled Children.

On motion of Mr. Williamson, authority was given as requested.

UNITED STUDENT AID FUNDS, INCORPORATED

(10) United Student Aid Funds, Incorporated (USAF) is a private non-profit corporation established to assist needy students at institutions of higher education to obtain low-cost loans from local banks. It raises, holds, and invests reserve funds which are used to match institutional funds to underwrite these bank loans. Its national center endorses the loans; it serves other agencies interested in endorsing student loans, both private and public in character; and it offers consulting services at no cost to banks, foundations, and others interested in providing low-cost student loans.

Under the plan, the first $1,000 deposited by an educational institution for this purpose is matched by USAF in an equal amount, and the total is placed in its reserve fund. Based upon this reserve of $2,000, the sum of $25,000 in student loans may be obtained by eligible students from local banks at a 6 per cent simple interest rate, such loans being endorsed by USAF. Deposits placed in the reserve by the educational institution in addition to the original $1,000 may be matched in whole or in part, and the aggregate sum creates a reserve for endorsed loans of twelve and one-half times the reserve. At any time that a deposit by an educational institution is not being used for guaranteeing loans, it may be withdrawn from USAF upon thirty days' notice.

The educational institution has no responsibilities or obligations in making or collecting the loans other than to certify that the student is enrolled and is in good academic standing, and to report any change in his status. The responsibilities of making, recording, and collecting the loan are assumed by the lending bank. USAF receives grants from foundations, industrial corporations, and other sources, which make it possible to match contributions by educational institutions in whole or in part. At the present time USAF has several hundred thousand dollars which have been earmarked for this purpose. All contributions by educational institutions in excess of the basic $1,000 (which is matched dollar for dollar) will be matched to some degree if made prior to May 31, 1963. USAF advises that the Illinois Bankers Association has indicated that it will recommend to its member banks that they participate in this program.

It is proposed that on a trial basis an initial deposit of $2,000 be made, which, if matched dollar for dollar, would make possible the endorsement of loans totaling $50,000. The University of Illinois has no funds which it may use for this purpose. However, the Board of Directors of the University of Illinois Foundation has allocated $2,000 from uncommitted gifts for this purpose, and the allocation may be increased to $5,000 or more if the program works out satisfactorily. It will make available very substantial sums for student loans under conditions which can not be met by funds presently available to the University of Illinois or the University Foundation.

The University must, however, be a party to setting up this program of student loans, and it is recommended that the Board of Trustees authorize execution of a contract with United Student Aid Funds, Incorporated, to deposit up to $5,000 of funds allocated by the University of Illinois Foundation for this purpose.

On motion of Mr. Swain, this recommendation was approved.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(11) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

Urbana-Champaign

1. College of Engineering
   Department of Theoretical and Applied Mechanics, facilities and equipment ........................................ $ 7,300.00
   Department of Civil Engineering, equipment ................................. 5,100.00

2. College of Liberal Arts and Sciences
   Department of Zoology, teaching materials ................................ 6,000.00

3. Library, library additions .................................................. 26,000.00
4. Physical Plant Department
Remodeling in Animal Science Laboratory for Department of Dairy Science .......................................................... $3,400.00
Installing electrical service in Old Agronomy Storehouse for Department of Forestry ............................................... $3,480.00
Installing water lines to Machine Shed for Department of Plant Pathology ......................................................... $7,000.00
Remodeling and air conditioning in Lincoln Hall for Bureau of Educational Research .............................................. $12,240.00
Installing air conditioners in offices in Gregory Hall for College of Education .......................................................... $3,330.00
Remodeling in Central Receiving buildings for Department of Civil Engineering ..................................................... $6,590.00
Constructing a sidewalk in front of Women's Gymnasium .......... $4,000.00
Remodeling offices and laboratories in Natural History Building... $20,240.00

Chicago Undergraduate Division
5. College of Engineering
Department of Physics, equipment (matching funds for Atomic Energy Commission grant) ........................................ $6,000.00

Medical Center
6. College of Pharmacy
Department of Chemistry, equipment ........................................ $6,237.80
7. Research and Educational Hospitals
Operating Rooms, equipment ............................................... $4,250.00
Department of Radiology, equipment ..................................... $18,000.00
To supplement operating budget for 1961-62 ....................... $103,000.00
Total, University General Reserve ....................................... $242,167.80

The Committee on Nonrecurring Appropriations also recommends the following assignments of funds for the Medical Center from Indirect Costs, General:
8. Medical Research Laboratory, animal cages and equipment .... $100,000.00

Grand Total ...................................................................... $342,167.80

On motion of Mr. Hughes, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

CONTRACTS FOR CONSTRUCTION OF THE SOUTH ADDITION TO THE ADMINISTRATION BUILDING
(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of a south addition to the Administration Building, the award in each case being to the lowest bidder:
General—Kuhne-Simmons Co., Inc., Champaign .................... $1,032,095

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base bid</td>
<td>$1,024,900</td>
</tr>
<tr>
<td>Additive alternates</td>
<td></td>
</tr>
<tr>
<td>Service charge for supervision of other contracts assigned to this contractor</td>
<td>$13,336</td>
</tr>
<tr>
<td>Installing acoustical ceilings in classrooms</td>
<td>$747</td>
</tr>
<tr>
<td>Installing venetian blinds</td>
<td>$2,018</td>
</tr>
<tr>
<td>Deductive alternates</td>
<td></td>
</tr>
<tr>
<td>Omitting metal lath</td>
<td>$-8,906</td>
</tr>
<tr>
<td>Omitting &quot;critical-path method&quot; of scheduling for job control</td>
<td>No change</td>
</tr>
</tbody>
</table>

Electrical—Square Deal Electrical Contracting, Inc., Urbana .................. $121,025

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base bid</td>
<td>$118,500</td>
</tr>
<tr>
<td>Additive alternate for starters for added air conditioning</td>
<td>$2,525</td>
</tr>
</tbody>
</table>

Plumbing—F. R. Inskip, an individual doing business as F. R. Inskip and Company, Champaign .......................... $69,972
CONTRACTS FOR CONSTRUCTION OF THE FIRST ADDITION TO THE UNIVERSITY PRESS BUILDING

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the first addition to the University Press Building on Gregory Drive, Champaign, the award in each case being to the lowest bidder:

General — English Brothers Company, Champaign, Illinois........................ $300 680
  Base bid ............................................. $294 980
  Additive alternate for service charge for supervision of other contracts ........... 8 600
  Deductive alternate for omitting acoustical ceiling treatment — 2 900

Electrical — G. L. Wilsky, an individual doing business as Downtown Electric, Urbana, Illinois........................................ 74 575

Plumbing — David William Reichard and David Warren Reichard, a partnership doing business as David W. Reichard Plumbing and Heating, Urbana, Illinois........................................ 29 500

Heating — Reliable Plumbing and Heating Company, Champaign, Illinois........... 112 539

Ventilating — Reliable Plumbing and Heating Company, Champaign, Illinois........ 70 490

Total .............................................. $587 784

It is also recommended that a combined contract be awarded to Reliable Plumbing and Heating Company in the amount of $183,029, being the total of the amounts bid by that Company on the heating and ventilating work.

It is further recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract $587,784; and that an agreement be entered into with the English Brothers Company for the assignment of these other contracts for $8,600, which amount is included in the contract price, being the amount bid by the Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release by the Governor.

Submitted herewith is a report from the Physical Plant Department including a summary of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.
On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

**CONTRACTS FOR AIR CONDITIONING STUDENT RESIDENCE HALL AT THE MEDICAL CENTER**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for air conditioning the offices, lounge, dining room, and kitchen areas in the Medical Center Student Residence Hall, the award in each case being to the lowest bidder:

**Heating, Refrigeration, and Temperature Controls — National Korectaire Company, Chicago**

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Base Bid</th>
<th>Additive Alternates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service charge for supervision of other contracts assigned to this contractor</td>
<td>$39,674</td>
<td>$1,231</td>
</tr>
<tr>
<td>Supplement cooling capacity in dining room area</td>
<td>$4,472</td>
<td></td>
</tr>
<tr>
<td>Air conditioning offices, Rooms 216, 216A, and 217</td>
<td>$2,669</td>
<td></td>
</tr>
<tr>
<td>Supplement cooling capacity for lounge and recreation room</td>
<td>$3,459</td>
<td></td>
</tr>
</tbody>
</table>

**Ventilation — Narowitz Heating and Ventilating Company, Chicago**

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Base Bid</th>
<th>Additive Alternates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air conditioning offices</td>
<td>$9,700</td>
<td></td>
</tr>
<tr>
<td>Supplement cooling capacity for lounge and recreation room</td>
<td>$170</td>
<td></td>
</tr>
</tbody>
</table>

**Plumbing — Fettes, Love, and Sieben, Inc., Chicago**

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Base Bid</th>
<th>Additive Alternates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air conditioning offices</td>
<td>$6,768</td>
<td></td>
</tr>
<tr>
<td>Supplement cooling capacity in dining room area</td>
<td>$144</td>
<td></td>
</tr>
<tr>
<td>Air conditioning offices</td>
<td>$175</td>
<td></td>
</tr>
<tr>
<td>Supplement cooling capacity for lounge and recreation room</td>
<td>$285</td>
<td></td>
</tr>
</tbody>
</table>

**Electrical — Midwest Interstate Electrical Construction Co., Chicago**

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Base Bid</th>
<th>Additive Alternates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air conditioning offices</td>
<td>$7,372</td>
<td></td>
</tr>
<tr>
<td>Supplement cooling capacity in dining room area</td>
<td>$146</td>
<td></td>
</tr>
<tr>
<td>Air conditioning offices</td>
<td>$2,125</td>
<td></td>
</tr>
<tr>
<td>Supplement cooling capacity for lounge and recreation room</td>
<td>$2,107</td>
<td></td>
</tr>
</tbody>
</table>

**General — Mutual Contracting Company, Chicago**

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Base Bid</th>
<th>Additive Alternates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air conditioning offices</td>
<td>$5,883</td>
<td></td>
</tr>
<tr>
<td>Supplement cooling capacity in dining room area</td>
<td>$446</td>
<td></td>
</tr>
<tr>
<td>Air conditioning offices</td>
<td>$2,125</td>
<td></td>
</tr>
<tr>
<td>Supplement cooling capacity for lounge and recreation room</td>
<td>$2,107</td>
<td></td>
</tr>
</tbody>
</table>

**Total**

$81,321

The work will include furnishing and installation of equipment and supply systems to air condition the lounge, dining room, recreation room, offices, and kitchen areas.

It is further recommended that all contracts other than the contract for heating, refrigeration, and temperature controls be assigned to the contractor for that work, making the total of his contract price $81,321; and that an agreement be entered into with the National Korectaire Company for the assignment of these other contracts for $1,231, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the contractor for heating, refrigeration, and temperature controls.

Funds are available in the Operation and Maintenance account of the University of Illinois Colleges of Dentistry, Medicine, and Pharmacy Revenue Bonds, Series of 1951, which were issued to finance Chicago housing projects and remodeling of the second unit of the Dentistry-Medicine-Pharmacy Building.

A schedule of all bids received is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.
On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

LEASE WITH CHICAGO CHAPTER, AMERICAN RED CROSS, FOR DIVISION OF SERVICES FOR CRIPPLED CHILDREN, CHICAGO OFFICE

The Chicago Office of the Division of Services for Crippled Children has occupied 4,700 square feet of space in the State of Illinois Building at 160 North LaSalle Street, Chicago, Illinois, since July 1, 1951. Due to additional space needs of the State Department of Finance, the Division has been requested to vacate the building. Sufficient space is not available in University facilities, so it is necessary to lease in a commercial building.

Suitable space consisting of 4,800 square feet has been located in the building of the Chicago Chapter, American Red Cross, at 43 East Ohio Street, Chicago, Illinois. The lessor agrees to pay for the necessary remodeling and to furnish heat, water, air conditioning, decorating, and janitor service for a rental charge of $4.25 per square foot per year, or an annual charge of $20,400. This rate is reasonable considering the location and standard of quality of the quarters.

For the period July 1, 1951, through June 30, 1955, the Division made a rental payment to the State of Illinois of $12,900 per year. Subsequently, the state appropriations to the Division for contractual services were decreased by that amount and the Division has occupied the space rent free.

The Director of the Division of Services for Crippled Children, the Vice-President at the Medical Center, and the Vice-President and Comptroller recommend authorization of a lease with the Chicago Chapter, American Red Cross, for space at an annual rental of $20,400 for the period July 1, 1963, through June 30, 1965, with the option to renew for two successive two-year periods from July 1, 1965, to June 30, 1969; with the lessor having the right to increase rent for the period July 1, 1967, to June 30, 1969, if the operating expenses of the building should increase, such increase in rent to be limited to 4.8 per cent of the total increase in operating costs of the building.

I concur.

On motion of Mr. Swain, this lease was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

ANNEXATION OF LAND BY THE URBANA AND CHAMPAIGN SANITARY DISTRICT

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of annexation of the following described area of University property by the Urbana and Champaign Sanitary District:

The South 264 feet of the area bounded by Florida Avenue, First Street, St. Mary's Road, and the Illinois Central Railroad;

All University-owned land between First Street and the Illinois Central Railroad, south of St. Mary's Road and north of the south line of Section 24 R8E (Shapland Road extended).

The area to be annexed includes the site of the proposed Firemanship Training College and the Mental Health Center. The University is requesting legislation to transfer the Mental Health Center site to the State Department of Mental Health, which concurs in the proposed annexation. Annexation is necessary to provide for the treatment of sewage from these sources. A plat of the area including the legal description is being filed with the Secretary of the Board for record as part of this recommendation.

I recommend that the Secretary and the Comptroller be authorized to execute the petition and any other documents necessary to effect the annexation, subject to approval of the Legal Counsel.

On motion of Mr. Swain, this annexation was approved by the fol-
lowing vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner.

EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of architectural and engineering firms for the projects and on the terms as indicated below.

Berger-Kelley-Unteed and Associates, Champaign, Illinois, on Mathematics Office Building, at a fee of 6 per cent of the amount of the construction contracts, work to include preliminary planning, working drawings, specifications, and supervision of construction.

Frazier, Raftery, Orr, and Fairbank, Geneva, Illinois, on restoration of Hull House Mansion and Dining Room, at a fee of actual cost of authorized renderings and actual cost of professional personnel employed on a time card basis, plus 150 per cent of time card representing overhead and commission, work to include development of exploratory designs and renderings, working drawings, specifications, and supervision of construction. The University will have the right to limit the work to development of exploratory designs and renderings at a cost not to exceed $1,500.

Waldron Associates, Inc, Haddonfield, New Jersey, on critical path scheduling services for Congress Circle Campus, at fees as follows:

Conducting a three-day contractor-University workshop, $1,800.
Consulting services at a per diem of $200, plus travel costs to develop a skeleton network, a multiproject control system and integration with monthly progress reports and accounting payments, a transfer network (moving of equipment, library, etc., to new facilities), and updating for two monthly periods.

Funds are available in the state capital appropriations to the University from the Universities Building Fund, subject to release by the Governor on the two Congress Circle projects; funds for the Mathematics Office Building have already been released.

I concur.

On motion of Mr. Pogue, these recommendations were approved.

CONTRACT FOR MECHANICAL AND ELECTRICAL ENGINEERING SERVICES

(18) By authority of the Board, the consulting engineering firm of Brown, Manthei, Davis, and Mullins, Champaign, has been employed by the University for incidental mechanical and electrical engineering services to the Physical Plant Department in planning new construction and remodeling work on a standing contract through which change orders have been issued for specific assignments, mostly small jobs best handled by a local firm.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a new contract with Brown, Manthei, Davis, and Mullins for consulting services for a period of two years beginning July 1, 1963, on the same terms and conditions as in previous contracts: a rate of $7.50 per hour for the time of the four partners, services of other personnel to be billed at actual hourly standard rates paid by the firm, plus 100 per cent for overhead costs and commission.

The cost of this consulting service will be charged against construction budgets of projects for which the firm is employed.

I concur.

On motion of Mr. Hughes, this recommendation was approved.

PURCHASES

(19) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase is each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from
Appropriated Funds (i.e., from state appropriations to the University), and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approximately 270,700 sheets and 58 rolls of Eastman, Anso, and du Pont medical x-ray film to be used at the Medical Center and Urbana campuses during the year beginning July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement (Note: This purchase will be made from both Appropriated Funds, $93,464.69, and Institutional Funds, $177,767.94, for a total of $111,232.63.)</td>
<td>Medical Center</td>
<td>John V. Doehren Co., Chicago Eastman and du Pont Moss X-Ray &amp; Medical Equipment Co., Chicago Anso</td>
<td>$82,086.39 Anso delivered</td>
</tr>
<tr>
<td>Approximately 385 cylinders of anesthetic gases to be used by various departments at the Medical Center during the year beginning July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement</td>
<td>Medical Center</td>
<td>Air Products &amp; Chemicals, Inc., Forest Park</td>
<td>$5,188.50 delivered</td>
</tr>
<tr>
<td>Approximately 4,200,000 cubic feet of bulk oxygen to be used in the Research and Educational Hospitals from July 1, 1963, through June 30, 1965</td>
<td>Medical Center</td>
<td>National Cylinder Gas Division of Chemetron Corp., Cicero</td>
<td>$14,490.00 delivered</td>
</tr>
<tr>
<td>Approximately 100,000 pounds cut dry ice and 150 fifty-pound cylinders carbon dioxide to be used at the Medical Center during the year beginning July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement</td>
<td>Medical Center</td>
<td>Liquid Carbonic, Division of General Dynamics, Chicago</td>
<td>$5,150.00 delivered</td>
</tr>
<tr>
<td>One 9 in. image amplifier with cine and television attachments</td>
<td>Pediatrics</td>
<td>Picker X-Ray Corp., Chicago</td>
<td>$46,000.00 delivered</td>
</tr>
<tr>
<td>Approximately 1,600 millicuries radioactive isotopes to be used by the Isotope Laboratory for the period July 1, 1963, through June 30, 1964</td>
<td>Radiology</td>
<td>E. R. Squibb &amp; Sons, Division of Olin Mathieson Chemical Corp., Franklin Park</td>
<td>$7,423.80 delivered</td>
</tr>
<tr>
<td>Window-washing service between July 1, 1963, and June 30, 1964, as follows: two washings for the Research and Educational Hospitals and Neuropsychiatric Institute, and three washings for the staff apartment building</td>
<td>Physical Plant Department, Medical Center</td>
<td>Alex Waseff Building Maintenance Co., Chicago</td>
<td>$2,616.00 delivered</td>
</tr>
<tr>
<td>Laundering service of approximately 90,000 pounds of 8 oz. bath towels, during the period of July 1, 1963, through June 30, 1963, for the Department of Physical Education at the Chicago Undergraduate Division</td>
<td>Physical Education, Undergraduate Division</td>
<td>Bissell Laundry, Inc., Chicago</td>
<td>$5,400.00 delivered</td>
</tr>
<tr>
<td>Removal of rubbish, building debris, from the University of Illinois Navy Pier for the period July 1, 1963, through June 30, 1965</td>
<td>Physical Plant Department, Chicago Undergraduate Division</td>
<td>Anchor Scavenger Service, Berwyn</td>
<td>$2,900.00 delivered</td>
</tr>
<tr>
<td>Continuous cloth towel service of approximately 42,000 rolls as needed during the period of July 1, 1963, through June 30, 1965, at the Medical Center and the Chicago Undergraduate Division</td>
<td>Chicago Colleges and Divisions</td>
<td>American Linen Supply Co., Chicago</td>
<td>$21,000.00 delivered</td>
</tr>
<tr>
<td>One gas chromatograph with automatic attenuator, recorder, ionization attachment, and fraction collector for use in analysis of fats, tissue lipids, and derivatives of fatty materials in the Burnside Research Laboratory</td>
<td>Animal Science</td>
<td>F &amp; M Scientific Corp., Avondale, Pa.</td>
<td>$6,111.00 delivered</td>
</tr>
<tr>
<td>One centrifuge, automatic, refrigerated, with two large capacity rotors to be used in a teaching laboratory for work with enzymes and cellular fractionation</td>
<td>Chemistry and Chemical Engineering</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>$2,885.00 delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
<td>-----------------------------</td>
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</tr>
<tr>
<td>One painting entitled “General Studies,” by Stuart Davis, selected from the 1963 Festival of Arts Contemporary American Painting and Sculpture exhibition</td>
<td>College of Fine and Applied Arts</td>
<td>The Downtown Gallery, Inc., New York, N.Y.</td>
<td>$8,000.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One painting entitled “Paris Roofs,” by Loren MacIver, selected from the 1963 Festival of Arts Contemporary American Painting and Sculpture exhibition</td>
<td>College of Fine and Applied Arts</td>
<td>Pierre Matisse Gallery Corp., New York, N.Y.</td>
<td>7,600.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One language laboratory, thirty-two student positions, all positions audio, active compare, and including one year full-service contract</td>
<td>Language Laboratory</td>
<td>Carroll Seating Co., Chicago</td>
<td>14,300.00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One transistorized pulse-height analyzer system consisting of a basic 400-channel analyzer, one paper tape printer with built-in 750 to 1200 volt high voltage power supply and rack mount adapters for the above</td>
<td>Physics-Betatron</td>
<td>Technical Measurements Corp., Chicago</td>
<td>7,075.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Nine issues <em>Illinois Alumni News</em>, approximately 32,000 copies per issue, sixteen 11 in. by 17 in. pages per copy, June, July, October, November, December, 1963, and February, March, April, June, 1964</td>
<td>Alumni Association</td>
<td>E.W. Petty Co., Effingham</td>
<td>26,442.56 f.o.b. delivered</td>
</tr>
<tr>
<td>Three issues <em>Illinois Alumni News</em>, approximately 90,000 copies per issue, eight 11 in. by 17 in. pages per copy, spring and fall, 1963, and spring, 1964</td>
<td>University Press</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>2,852.32 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 1,500 copies of <em>Symbolic Crusade</em>, by Joseph C. Gusted, trim size 6 in. by 9 in., approximately 208 pages per copy</td>
<td>University Press</td>
<td>Vail-Ballou, Inc., New York, N.Y.</td>
<td>4,046.26 f.o.b. delivered</td>
</tr>
<tr>
<td>69,500 (approximately) prints, photo, glossy, clear and legible, 2½ in. by 3½ in., of student I.D. cards for school year 1963-64</td>
<td>Physical Plant Department, Architectural Division</td>
<td>Blackwell Wielandy Co., St. Louis, Mo.</td>
<td>8,334.50 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Furnish and install 446 fixed pedestal chairs with tablet arms in sixteen classrooms in Physics Building, Stage II</td>
<td>Institute of Aviation</td>
<td>R.W. Riegel, Tolono</td>
<td>4,230.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Mowing equipment consisting of the following: One tractor, gas operated One cutterbar mower, side mounted One rotary cutter Less trade-in of one tractor, 1946, complete with cutterbar, to be used at the University of Illinois-Willard Airport, Savoy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchases from Institutional Funds</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>Approximately 218,000 sterile disposable hypodermic needles in assorted sizes to be used during the period from July 1, 1963, through June 30, 1964, subject to renewal for one year by mutual agreement</td>
<td>Medical Center Stores</td>
<td>American Hospital Supply Corp., Evanston</td>
<td>$8,365.52 f.o.b. delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies consisting of three microscopes and accessories, one microscope body, 150 ounces microscope cover glasses, six pipet jars, fifty gross microscope slides, six stop watches, and 1,494 bottles reagent chemicals</td>
<td>Medical Center Stores</td>
<td>Aloe Scientific, Schiller Park</td>
<td>4,294.70 f.o.b. delivered</td>
</tr>
</tbody>
</table>
Approximately 3,600 pints whole human blood (Rh positive and Rh negative), 400 pints heparinized blood, and 350 pints ACD siliconized blood, to be supplied as needed by the Research and Educational Hospitals for the period from July 1, 1963, through June 30, 1964, with the option to renew for one additional year by mutual agreement.

Three plastic rooms to be installed in two existing rooms in the Research and Educational Hospitals.

Porcelain denture teeth as requested by the Prosthodontics Clinic from July 1, 1963, through June 30, 1964.

No. 5 standard fuel oil delivered to Navy Pier as required by the Undergraduate Division Power Plant: 255,000 gallons, subject to 10 per cent increase or decrease.

Eighteen recorders, automatic portable liquid level, curvilinear type with fully jeweled clocks, six-inch floats, counterweights, thirty-foot perforated tapes, to comply with federal specifications.

One nuclear system for automatically assaying radioactive samples with a thin end window geiger tube, scintillation counter and windowless flow counter, complete with cables to operate with a scaling instrument.

One microscope stand with slideways for nosepieces, collector tube, lamp socket, diaphragm insert and accessories, including an apochromatic and planapochromat lens.

Twenty-five farrowing units, each unit to consist of one 6 ft. by 8 ft. house, one 6 ft. by 6 ft. outside pen with a special hardwood floor, watering trough, and sanitary trough, and one feeder.

One frequency synthesizer (generator) with power supply and with fixed frequencies of 1 mc, 40 mc, 100 kc, 10 kc, 1 kc, and 100 c/s.

One oscilloscope, sampling, 10 nanosecond/cm sweep time.

One microscope system including camera, xenon discharge lamp, equipped for vertical illumination with various lenses and objective accessories for use in examination of PH junction lasers.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One heart-lung mechanical unit including pumps, pediatric type oxygenator, heat exchanger and filters for research and investigation of the central nervous system by the Biophysical Laboratory of the Department of Electrical Engineering</td>
<td>Electrical Engineering</td>
<td>International Medical Instrument Corp., Stoneham, Mass.</td>
<td>$3,602.00</td>
</tr>
<tr>
<td>One furnace, diffusion, bench size, double shell, three circuits complete with 2¾ in. I.D. alumina liner for research work in the new Materials Research Laboratory of the Department of Electrical Engineering</td>
<td>Electrical Engineering</td>
<td>Hevi-Duty Electric Co., Division of Basic Products Corp., Watertown, Wis.</td>
<td>3,607.00</td>
</tr>
<tr>
<td>One interferometer base and precision screw, including mirror carriage, case, leveling screws, telescope and assembly</td>
<td>Electrical Engineering</td>
<td>Engis Equipment Co., Chicago</td>
<td>3,680.00</td>
</tr>
<tr>
<td>One gas chromatograph, dual column, capable of independent operation at different temperatures, two temperature programmer units, two recorders and two temperature ionization detector cells, to be used on analysis of fats in the Burnsides Research Laboratory</td>
<td>Food Technology</td>
<td>Barber-Colman Co., Industrial Instruments Division, Chicago</td>
<td>10,416.51</td>
</tr>
<tr>
<td>Construct 26 ft. by 30 ft. steel frame addition to existing steel frame building south of Horticulture Field Laboratory</td>
<td>Food Technology</td>
<td>Harshbarger Building &amp; Supply Co., Urbana</td>
<td>6,281.19</td>
</tr>
<tr>
<td>One anemometer, constant temperature, hot film</td>
<td>Mechanical and Industrial Engineering</td>
<td>Lintronic Laboratories, Ithaca, N.Y.</td>
<td>3,617.00</td>
</tr>
<tr>
<td>One microvolt potentiometer, 0 to 111,111.0 microvolts in steps of 0.1 microvolts and 0 to 11,111.10 in steps of 0.01 microvolts, six-digit precision, thermal emfs less than 0.01 microvolt</td>
<td>Physics</td>
<td>Minneapolis-Honeywell Regulator Co., Chicago</td>
<td>5,430.00</td>
</tr>
<tr>
<td>One analyzer, random signal</td>
<td>Physics</td>
<td>Minneapolis-Honeywell Regulator Co., Chicago</td>
<td>2,850.00</td>
</tr>
<tr>
<td>Print and bind 5,000 copies each of the following hardbound titles, trim size 5¾ in. by 8¼ in.</td>
<td>University Press</td>
<td>Cushing-Malloy, Inc., Ann Arbor, Mich.</td>
<td>10,000.00</td>
</tr>
<tr>
<td>Life in a Mexican Village, by Oscar Lewis, approximately 544 pages per copy</td>
<td>University Press</td>
<td>Phillips Brother’s, Inc., Springfield</td>
<td>4,140.00</td>
</tr>
<tr>
<td>The Mathematical Theory of Communication by Claude E. Shannon and Warren Weaver, approximately 128 pages per copy</td>
<td>University Press</td>
<td>Pentograph Printing &amp; Stationery Co., Bloomington</td>
<td>3,065.35</td>
</tr>
<tr>
<td>Print and bind 2,500 copies of The Galvanised Yankees, by D. Alexander Brown, trim size 6 in. by 9 in., approximately 264 pages per copy</td>
<td>University Press</td>
<td>Cushing-Malloy, Inc., Ann Arbor, Mich.</td>
<td>2,681.00</td>
</tr>
</tbody>
</table>
Forty-four police caps, winter
Forty-four police uniform pants made
Fifteen police overcoats made from

180

One air-conditioning unit, factory cou-
Forty-four police uniform jackets made
Three truckloads (6,675 gallons, approxi-

26,000 test books for use in the Illinois Statewide High School Testing Program being conducted in the Office of Educational Testing

Laundry and dry cleaning for Air Force R.O.T.C. basic uniform items as follows for the period of July 1, 1963, through June 30, 1965 (total estimated quantities for the period)

One truck, 1963 model, van type, complete with body, roll up door, and hydraulic tail gate, less trade-in of one truck, van type, 1957 model

Miscellaneous photographic films, plates, and papers as requested by various University departments of both the Champaign-Urbana and Chicago campuses for the period of July 1, 1963, through June 30, 1965

Paper pads, writing type, 100 sheets each, as follows:

1,500 lbs. 3 in. by 5 in. white, not ruled
2,500 lbs. 4 in. by 6 in. white, not ruled
10,000 lbs. 8½ in. by 11 in. white, not ruled
2,500 lbs. 5½ in. by 8½ in. white, not ruled
4,000 lbs. 8½ in. by 11 in. canary, not ruled
250 gross 8½ in. by 11 in. white, ruled
150 gross 8½ in. by 11 in. canary, ruled

for Office Supply Storeroom stock; an estimated twelve-month supply

14,400 rolls cellophane tape and 5,328 rolls paper masking tape to be used for stock in the Office Supply Storeroom; it is estimated to be a ten- to twelve-month supply, delivered in two shipments, July and October, 1963

One air compressor, 250 cubic feet per minute capacity, rotary type, complete with diesel engine, mounted on four wheel running gear less credit for trade-in of one obsolete air compressor, 1942 model, manufactured by Ingersoll-Rand Co., 105 cubic feet per minute capacity

Water filtering equipment consisting of two filter shells with attachments and two sets pressure gauges filter media to be used in improvement program for Huff Gymnasium swimming pool

Three air-conditioning units, horizontal ceiling mounted

One air-conditioning unit, factory coupled for window mounting as a single unit

Fifteen police overcoats made from 30 oz. blue American “beaver cloth”
Forty-four police uniform jackets made from 19 oz. American “elastique”
Forty-four police uniform pants made from 19 oz. American “elastique”
Forty-four police caps, winter
180 police shirts, poplin (winter)
180 police shirts “airflow” (summer)

Three truckloads (6,675 gallons, approximately) synthetic floor finish to be delivered in June, 1963, with options for one truckload delivery in October, 1963, and another truckload delivery in March, 1964

On motion of Mr. Swain, these purchases were authorized.
## COMPTROLLER’S REPORT OF CONTRACTS

(20) The Comptroller’s report of contracts executed during the period April 1 to 30, 1963.

### With Whom

<table>
<thead>
<tr>
<th>National Aeronautics and Space Administration NsG-379</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Army DA-36-039-AMC-02208(E)</td>
<td>Development of techniques for ultimate military applications in accordance with secret technical guide lines and plasma research</td>
<td>1 400 000 00</td>
<td>March 29, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-10-101</td>
<td>Secondary school programs for gifted students in English, social science, mathematics, and science and elementary school programs for gifted students in scientific inquiry</td>
<td>275 958 00</td>
<td>April 15, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-99-073</td>
<td>Prepare a course of study for highway engineering aides</td>
<td>5 600 00</td>
<td>March 26, 1963</td>
</tr>
</tbody>
</table>

### Total

$7 008 983 00

### With Whom

<table>
<thead>
<tr>
<th>International Ice Attractions, Inc.</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Presentation of &quot;Ice Capades&quot; (seven performances)</td>
<td>70 per cent of gross proceeds</td>
<td>January 22, 1963</td>
</tr>
</tbody>
</table>

### Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Chemicals Division, Shell Chemical Corp.</td>
<td>Evaluation of chlorinated hydrocarbon compounds as insecticides</td>
<td>$2 500 00</td>
<td>March 15, 1963</td>
</tr>
<tr>
<td>United States Army DA-36-039-SC-85122</td>
<td>Techniques for military applications</td>
<td>250 000 00</td>
<td>March 29, 1963</td>
</tr>
<tr>
<td>United States Army DA-36-039-SC-87232</td>
<td>Fundamental properties of high density gaseous plasmas</td>
<td>21 525 00</td>
<td>March 20, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1)-415</td>
<td>Unclassified research on electronic high-speed digital computers</td>
<td>500 000 00</td>
<td>March 19, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr-1834 (17)</td>
<td>Current problems of solid state and surface physics of semiconductors</td>
<td>30 000 00</td>
<td>March 28, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr-1834 (29)</td>
<td>Develop techniques and instrumentation for measuring acoustic attenuation</td>
<td>11 578 00</td>
<td>March 19, 1963</td>
</tr>
<tr>
<td>United States Steel</td>
<td>Behavior of deformed wire fabric in concrete</td>
<td>2 000 00</td>
<td>April 2, 1963</td>
</tr>
</tbody>
</table>

### Total

$817 603 00

### Adjustments Made in 1962-63 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry F. Fisher (Plastering)</td>
<td>Sixteen items: $314.77 deduct to $1 911 75</td>
<td>$750.00</td>
<td>March and April, 1963</td>
</tr>
</tbody>
</table>

### Summary

- Amount to be paid to the University: $2 526 586 09
- Amount to be paid by the University: $1 911 75

This report was received for record.

### QUARTERLY REPORT OF THE COMPTROLLER

(21) The Comptroller presented his quarterly report to the Board as of March 31, 1963.

This report was received for record, and a copy has been filed with the Secretary of the Board.
EMPLOYMENT OF AUDITORS

(22) Mr. Williamson, for the Finance Committee, presented the following recommendation and moved its approval.

The firm of Lybrand, Ross Brothers, and Montgomery was employed to audit the accounts of the University of Illinois for the year ended June 30, 1961, with the understanding that the firm would be employed for additional years, subject to annual review. The Board retained the firm for the audit for the year ended June 30, 1962.

The services of Lybrand, Ross Brothers, and Montgomery have been very satisfactory. The firm proposes to complete the audit for the year ending June 30, 1963, at the prevailing hourly rates for college and university audits, plus cash expenses, with the understanding that the aggregate charges will not exceed the following amounts, which are the same as were approved for the audit for the preceding year:

University of Illinois, including reports on revenue bond funds........... $22,300
University Retirement System of Illinois................................. 2,200
University of Illinois Alumni Association.................................. 600
University of Illinois Athletic Association, including Retirement System... 1,000
University of Illinois Foundation............................................. 1,500

In accordance with the usual practice, the auditing firm will submit its reports jointly to the Board of Trustees and to the Auditor General. The firm of Lybrand, Ross Brothers, and Montgomery is acceptable to the Auditor General.

The Finance Committee recommends the employment of Lybrand, Ross Brothers, and Montgomery for the audit of University accounts for the fiscal year ending June 30, 1963.

This recommendation was approved without dissent.

ACTION BY AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS

(23) President Henry presented the following report:

For the information of the Board of Trustees, I report the receipt of the following letter dated April 30, 1963, addressed to me by the General Secretary of the American Association of University Professors, confirming an earlier telegram:

The Forty-Ninth Annual Meeting of the American Association of University Professors today voted censure upon the administration of the University of Illinois, Urbana, Illinois, by approval of a Committee A recommendation which reads:

On April 7, 1960, President David D. Henry of the University of Illinois wrote a letter concurring in the recommendation of the Executive Committee of the College of Art and Sciences that Professor Leo F. Koch be suspended immediately from his academic duties. President Henry's letter also said: “His appointment will terminate at the end of the current academic year.” Professor Koch was under contract through August of 1961.

Subsequently, in accord with normal academic due process, Professor Koch was given a hearing before a standing committee of the faculty Senate. That hearing group found that Professor Koch had committed a breach of academic responsibility but also held that the University administration had failed to use proper procedures and thereby lessened the teacher's power to make a proper defense. The Senate committee recommended that Professor Koch be reprimanded, that the Statutes of the University be revised, and that the University make clear that the expression of views by a faculty member which might be contrary to prevailing opinion in the community is not a violation of academic responsibility.

The Board of Trustees held a hearing on the case on June 14, 1960, and dismissed the teacher.

Committee A concludes that the prejudgment embodied in the President’s letter, the failure of the Board of Trustees, without adequate declared reason, to support the unanimous recommendation of the Senate committee and, most important, the imposition of the drastic sanction of discharge for Professor Koch’s public expression of opinion constitute violations of academic due process and academic freedom.
Committee A recommends that the University of Illinois be placed upon the Association's list of Censured Administrations.

While I do not feel that a full response to the Association's communication is in order at this time because there is still pending before the courts of this state litigation instituted by Mr. Koch, I take this occasion to comment on the issues cited in the AAUP action and to correct certain statements appearing therein. All of the materials upon which the following statements are based were before Committee A of the AAUP and were authorized by the University for distribution to the AAUP convention delegates.

A. REFERENCES TO REPORT OF THE URBANA SENATE COMMITTEE ON ACADEMIC FREEDOM

The Committee A recommendation adopted by the Association and quoted above states that the Urbana Senate Committee on Academic Freedom, after finding that Mr. Koch had committed a breach of academic responsibility, (1) held that the University "had failed to use proper procedures and thereby lessened the teacher's power to make a proper defense"; (2) recommended that Mr. Koch be reprimanded; (3) recommended that the Statutes of the University be revised; and (4) recommended that the University state that "expression of views by a faculty member which might be contrary to prevailing opinion in the community" does not constitute a violation of academic responsibility.

(1) The procedural issues raised by the Senate Committee. The Urbana Senate Committee on Academic Freedom did state in its report dated May 13, 1960, that the actions of the administrative officers of the University were regarded as being in some respects "contrary to the standards of proper procedure in dismissal cases." However, conformity with the dismissal procedures established in the University Statutes was questioned only on the point of my informing Mr. Koch in the April 7, 1960, letter that his contract would be terminated, when the power to discharge was reserved to the Board of Trustees in the University Statutes. It is important to note that at no time in the proceedings did Mr. Koch or his attorneys assert they were being denied a full opportunity to present all of his defenses. Even the AAUP communication acknowledges that "Subsequently, in accord with normal academic due process, Professor Koch was given a hearing before a standing committee of the faculty Senate" and "The Board of Trustees held a hearing on the case on June 14, 1960. . . ."

The Senate Committee's suggestion that Mr. Koch could be subject to prejudice in the final outcome of his case by certain procedural steps was directed mainly to the wording of my April 7, 1960, letter and its public release and the lack of a formal hearing prior to suspension.

It is clear, as noted above, that the letter did not in any way diminish Mr. Koch's powers to present a defense, nor did it in fact compromise his position before the Board of Trustees. Both the Board's Findings and Conclusions entered on June 14, 1960, in the Koch proceedings, and in the later September 21, 1960, report of the Board's Committee on General Policy in response to an Open Letter from certain members of the faculty, the Board of Trustees found that the exceptional circumstances existing in the Koch situation justified the public statement of charges in advance of hearing and that such public release and the language of my April 7, 1960, letter did not operate to his prejudice in the Board's consideration of his case. You will recall that your findings in the Koch matter on June 14, 1960, included the following:

30. This Board of Trustees further finds that the action of the President of the University in releasing to the public press on April 7, 1960, the press release . . . was rendered desirable, appropriate, and proper in view of the publicity which Assistant Professor Koch's above mentioned letter to The Daily Illini and its publication in that newspaper had received . . . and this Board of Trustees further finds that the making of said release to the public press did not violate or infringe upon Assistant Professor Koch's academic freedom or operate to his prejudice in the consideration and disposition which this Board of Trustees is making of the charges preferred against Assistant Professor Koch by the President of the University and the recommendation submitted by the latter to this Board of Trustees that action be taken by it terminating Assistant Professor Koch's appointment at and employment by the University on August 31, 1960.
Whether the April 7, 1960, letter was framed in terms of "dismissal" or "recommendation for dismissal" was of no real significance in this case. Further, once it was decided that charges should be submitted to the Board of Trustees, their ultimate publicity was inescapable, as was the necessity of a Board decision on the gravity of Mr. Koch's action.

As to the lack of a formal hearing before suspension, Mr. Koch did not ask for one even though his department head informed him of the seriousness of his action nor did he at any time contend that the facts upon which suspension was made were in dispute.

(2) The Senate Committee's recommendation for reprimand. The telegram correctly states the Senate Committee's unanimous recommendation that Koch be reprimanded. My comments on this point are contained in Part B below.

(3) Revision of University Statutes. The Senate Committee's recommendation that the University Statutes on academic freedom be amended is in the process of implementation. On March 29, 1963, the Senate Coordinating Council forwarded to me its recommendations for amendments to these sections of the University Statutes, which include, among other proposals, modifications of existing hearing procedures. Informational copies of the recommendations were transmitted to AAUP under date of April 9, 1963. Pursuant to our existing Statutes I have referred these Council recommendations to the Senates at the three campuses so that each may express whatever objections it wishes to record. In the near future I will present to you for your consideration these proposed statutory amendments, any objections which may be recorded by a Senate, and my recommendations for action.

(4) Senate Committee's request for clarification of academic responsibility. As to the Senate Committee's recommendation for the University to indicate that "expression of views by a faculty member which might be contrary to prevailing opinion in the community" does not violate academic responsibility, the June 14, 1960, Findings and Conclusions of the Board in the Koch proceeding, and the September 21, 1960, report of the Board's Committee on General Policy, make it abundantly clear the Board recognizes that the limits of academic freedom can not be defined by the test of conformity or nonconformity between views expressed by a member of the University's faculty and views, beliefs, and standards commonly accepted. The Board stated its position that any responsible expression of views by the faculty, even though unpopular and, possibly, untenable, is in order. Guide lines for "responsible expression" were there indicated by the Board of Trustees but it cautioned that they did not include "incitement to, or condonation or encouragement of subversion, fraud or immoral conduct, and that the application of this exception is a matter of judgment under established procedures."

B. CONCLUSIONS OF AAUP AND ITS COMMITTEE A

The conclusions of the AAUP, as expressed in the approved recommendation of its Committee A, were that "academic" due process and academic freedom were violated by (1) "the prejudgment embodied in the President's letter, (2) the failure of the Board of Trustees, without adequate declared reason, to support the unanimous recommendation of the Senate Committee and, (3) most important, the imposition of the drastic sanction of discharge for Professor Koch's public expression of opinion."

(1) The prejudgment issue. I have previously commented on the fact that the wording and publicity of the charges was not and could not have been the central "academic due process" question. My April 7, 1960, letter was recognized and treated by Mr. Koch, his counsel, and the Board of Trustees as a preferment of charges and a recommendation for his dismissal. There was never any dispute as to the basic facts in the Koch matter. He freely admitted (even stipulated) that he wrote the letter to The Daily Illini, that he signed it as "Assistant Professor of Biology," and that he desired the same published in that newspaper, the subscribers and readers of which were primarily, though not exclusively, University students and faculty members and townspeople of Champaign-Urbana.

Under our present Statutes the President alone has the duty and responsibility for preferring charges against a member of the faculty. Once the decision is made to prefer charges and recommend discipline, there is an element of "prejudgment" by the President in the sense that he has exercised and announced his
decision on the facts before him in advance of the hearings before the Senate Committee on Academic Freedom and the Board of Trustees, to which the faculty member is entitled. This type of prejudgment exists in every disciplinary case, regardless of the language used in framing the charges or recommendations.

If, as the AAUP seems to say, any prejudgment constitutes a violation of "academic" due process and academic freedom, it would be impossible to prefer charges in any case, even when there are undisputed or admitted facts which demonstrate that a faculty member has committed an offense involving the most repugnant kind of moral turpitude.

The AAUP's conclusion as to prejudgment can not be explained in terms of the effect of the wording of my April 7, 1960, letter on the Board of Trustees at the time it held its hearing and reached its decision in the Koch matter. The Board's Findings and Conclusions are unequivocal on the point that my letter was being treated as a specification of charges and a recommendation for dismissal. The Board explicitly found that the charges and their publicity did not operate to prejudice Mr. Koch before them. Surely the AAUP's conclusion on prejudgment can not and should not be read as saying that the Trustees were not being honorable and truthful in making these statements. Even Mr. Koch's counsel in his arguments before the Board stated:

President Henry has referred this matter to you, and I know you have come here with open minds, to listen to the evidence that you have gotten in the stipulation, to listen to whatever arguments we have brought to you, and to make your decision earnestly and fairly.

I also note that the Senate Committee on Academic Freedom was not so prejudiced or influenced by my purported "prejudgment" that it regarded itself bound to support my recommendation for dismissal as the appropriate sanction for the academic irresponsibility it found inherent in Mr. Koch's activities.

Nor can the AAUP's conclusion on the prejudgment issue be related to the warning in the Urbana Senate Committee's report, rendered after affording a hearing to Mr. Koch, that the letter and its publicity "may well have prejudiced the final outcome of his (Koch's) case." That Senate Committee report (May 13, 1960) with its warning was a part of the record before the Board (June 14, 1960) when it reached its decision and specifically denied the fact of such prejudice in the final outcome of his (Koch's) case.

The Board's failure to adopt the Senate Committee recommendation for reprimand. The AAUP Committee concluded that a violation of academic due process and academic freedom occurred by reason of "the failure of the Board of Trustees, without adequate declared reason, to support the unanimous recommendation of the Senate Committee." In both the Findings and Conclusions in the Koch proceeding and the September 21, 1960, report of the General Policy Committee it is acknowledged that the recommendations and judgment of the members of the Executive Committee of the College of Liberal Arts and Sciences, the Urbana Senate Committee on Academic Freedom, and the President of the University were taken into consideration by the Board and substantial weight was attached to them. The September 21, 1960, report of the Board's General Policy Committee (adopted and approved by the entire Board) contains the following passage:

Having concluded that Dr. Koch was guilty of conduct constituting a grave breach of his academic responsibility and duty which was clearly prejudicial to the best interests of the University, it became incumbent upon us to decide whether the action to be taken by us concerning him should be that recommended by the members of the Senate Committee on Academic Freedom, that recommended by the Executive Committee of the faculty and the Dean of the College and the President of the University, or some other action. In considering that question we were not unmindful of the recommendation of the Senate Committee on Academic Freedom and the reasons which prompted it, of considerations of academic freedom and constitutional guarantees of freedom of speech, of Dr. Koch's interest, or of the reputation and welfare of the University. Each and all of these considerations weighed heavily upon us. We deemed ourselves to be under the duty and obligation to accord, and gave the most thoughtful and conscientious consideration to them.

By virtue of the public office we hold, we are charged with the responsibility,
are under the sworn duty, and are vested with the final authority to decide what action should be taken in such matters. That responsibility and that duty is owed to the University's faculty, its students, their parents, the University itself, the citizens of the State of Illinois who support and maintain the University, and those who represent them in the General Assembly. We must exercise that authority in accordance with what we are convinced is in the best interests of all of them and can not abdicate it and transfer it to any group however important and however vitally interested it may be in the proper exercise of it. It was then, and still is our considered and conscientious judgment that Dr. Koch's breach of his academic and professional responsibility was "so flagrant and serious, and has been so clearly prejudicial to the best interests of the University" that it could be "properly met and dealt with only by terminating his appointment at and contract with the University," much though we regretted the necessity of taking that action.

The foregoing and the portion of Conclusion 1 of the Board's Findings and Conclusions quoted under (3) below are clearly "adequate declared reason(s)" why the Board did not support the unanimous recommendation of the Urbana Senate Committee, and these reasons remain as compelling today as they were at that time of the Board's pronouncements in 1960.

(3) The Board's sanction of discharge. The AAUP has further concluded that there was a violation of academic due process and academic freedom because of "the imposition of the drastic sanction of discharge for Professor Koch's public expression of opinion," and this conclusion is characterized as "most important." The Board's concern with and consideration of the sanction it decided to impose is reflected by the above quoted portion of the report of the General Policy Committee and also by the following excerpt from Conclusion 1 of the Findings and Conclusions adopted and entered by the Board on June 14, 1960, in the Koch proceeding:

We do not condemn Assistant Professor Koch's actions in issue here merely because he expressed in his letter views contrary to commonly accepted beliefs and standards. We condemn it because of the manner in which he expressed those views in his letter. We do not consider that letter as a "responsible" and proper expression of the views stated in it. This judgment upon our part is confirmed by the unanimous judgment of the members of the Executive Committee of the College of Liberal Arts and Sciences, including the Dean of that College, the members of the University Senate Committee on Academic Freedom, at the Urbana-Champaign campus of the University, and the President of the University. We reiterate here what we have said in our foregoing findings and conclusions as constituting the reasons why we have concluded that Assistant Professor Koch's action in writing and securing the publication of his letter in The Daily Illini exceeded the limits of the protection afforded him by his academic freedom.

We appreciate and commend the careful and conscientious consideration given by the members of the Senate Committee on Academic Freedom to Assistant Professor Koch's claim that the disciplinary action taken and recommended against him by the President of the University would violate his academic freedom. As we have just stated their appraisal of his letter to The Daily Illini accords with ours. As they concede in their Report, once it has been determined that Assistant Professor Koch's actions are not protected by his academic freedom, the question of what action should be taken against him because of his breach of his academic and professional responsibility and duty to the University is one which we have the responsibility, duty, and authority to determine. In our considered judgment that breach of his academic and professional responsibility, and of his duty to the University, was so flagrant and serious, and has been so clearly prejudicial to the best interests of the University, that, notwithstanding the recommendation of the Senate Committee on Academic Freedom that the action taken against him for it be limited to reprimand and not extend to discharge, we are convinced that it can be properly met and dealt with only by terminating his appointment at and contract with the University in accordance with the recommendation of the President of the University, much though we regret the necessity, resulting from his own irresponsible and improper conduct, of taking such drastic, but proper and essential, action against him.
C. CONCLUDING OBSERVATIONS

From the public discussion of the Koch case and the references to "academic due process" in the action of the AAUP, some have inferred that Mr. Koch was dismissed without a hearing. In accord with the Statutes of the University of Illinois, Mr. Koch had formal hearings before the Senate Committee on Academic Freedom and before the Board of Trustees; further, these hearings were preceded by conferences between Mr. Koch and his department head and by a review of his case by the faculty-elected Executive Committee of the College of Liberal Arts and Sciences. These points are repeated so that it will be clear to all concerned that Mr. Koch was given hearings, and that the appraisal of his case was not precipitous but stretched over several months.

I want there to be no doubt, within the academic community as well as before the public, that as President of the University of Illinois, I share the concern that the tradition for academic freedom at this University should at no time be impaired to the slightest degree. The Statutes of the University and the University's long history of intellectual freedom speak for themselves. Here, and in other authoritative expressions on the subject, however, academic freedom is not disassociated from academic responsibility. The teacher has responsibilities to his students and to the University. It is a distortion of academic freedom to stretch its application to the Koch case. What may be regarded as incitement to or condonation of immoral conduct cannot be treated merely as the presentation of an unorthodox point of view or an intellectual exercise in social criticism. The encouragement of youth to violate the usually accepted moral code and the laws pertaining to that code undermines the very concept of academic freedom.

I fully subscribe to the position which has been unequivocally stated by the Board of Trustees in its action of June 14, 1960:

We subscribe to and intend to maintain these principles (of academic freedom) unimpaired. We recognize that the limits of academic freedom can not be defined by the test of conformity or non-conformity between views expressed by a member of the University's faculty and views, beliefs, and standards generally and commonly entertained and accepted. We believe that any responsible expression of views by members of the faculty, even though unpopular and even, possibly, untenable, is in order. In determining what is "responsible expression," we accept the guidelines set down in the statutory references cited above (Statutes of the University) and the 1940 Joint Statement of Principles on Academic Freedom and Tenure.

In the foregoing report and observations on the action of the AAUP, restricted as they are to an analysis of that organization's view of facts surrounding the Koch proceeding and its conclusions thereon in terms of "academic due process and academic freedom," I have attempted to avoid commenting on the issues presented in the litigation being pursued by Mr. Koch against the University. Mr. Koch is now in the process of seeking review by the Supreme Court of Illinois of the January 22, 1963, decision of the Appellate Court of Illinois in favor of the University. A decision of the Supreme Court of Illinois on whether or not Mr. Koch may take such an appeal is anticipated later this year.

On motion of Mrs. Watkins, the Board accepted the foregoing report; there were no dissenting votes.

Mr. Clement read the following letter received by members of the Board of Trustees from two members of the University faculty transmitting a copy of a letter addressed to the President of the University and signed by twenty-six members of the faculty, which he also read to the Board.

To the Members of the Board of Trustees
of the University of Illinois

The signed original of the accompanying letter has been sent to President David D. Henry. We feel that each of you will want to know of its existence and the support it indicates.
We believe that a large number of faculty members on the Urbana campus feel as we do. Although several who saw the letter suggested the names of others they thought would want to participate in this expression, we deliberately refrained from any effort to obtain a long list of names. It is our feeling that this expression by a limited number of faculty members who are well known in academic circles and throughout the state is sufficient to indicate that the American Association of University Professors does not speak for the entire faculty.

Very truly yours,

R. K. MAUTZ
Professor of Accountancy

ROBERT I. DICKEY
Professor of Accountancy

217 David Kinley Hall
May 1, 1963

President David Dodds Henry
355 Administration Building (W)

DEAR PRESIDENT HENRY:

The recent actions of the local chapter of the American Association of University Professors and the censure resolution of the national organization indicate there are some who are critical of the action of the University in dismissing Dr. Leo Koch. We wish to disassociate ourselves from these people and their views.

We feel that the action taken by the University Administration at the time of this unfortunate affair reflected a concern for the best interests of the University and was in no way a serious threat to academic freedom. We deplore the action of the American Association of University Professors, both locally and nationally. In our opinion, only those who confuse academic freedom with academic license would find the action of the University Administration offensive.

In view of the varied and extreme pressures exerted upon you in your office as President of the University, we feel your own actions in this case have been honorable and forthright. We therefore take this means of expressing our support to you and the Board of Trustees.

Very truly yours,

H. KENNETH ALLEN

H. W. HUEBY

H. W. HUEBY

DAVID R. OPPERMAN

JOHN C. BAILAR, JR.

WALTER M. KEITH

WALTER M. KEITH

JOHN E. PEARSON

FRANK H. BEACH

ROSS A. KELLY

ROSS A. KELLY

DAVID G. RYAN

J. F. BELL

DONALD L. KEMMERER

DONALD L. KEMMERER

L. H. SIMERL

J. W. BRISCOE

(University of Illinois

(University of Illinois

F. R. STEGGERDA

Chapter AAUP Presi-
dent, 1950)

Chapter AAUP Presi-
dent, 1950)

KENNETH J. TRIGGER

H. C. M. CASE

(University of Illinois

(University of Illinois

STEWARD L. TUCKY

Chapter AAUP Presi-
dent, 1950)

Chapter AAUP Presi-
dent, 1950)

PAUL M. VAN ARSDELL

ROBERT I. DICKEY

R. K. MAUTZ

R. K. MAUTZ

HOWARD L. WAKELAND

TOM S. HAMILTON

M. L. MOSHER

M. L. MOSHER

Mr. Dilliard inquired what procedure may be followed by the University in seeking removal from censure. President Henry stated that one of the steps which may have an effect and which has long been in process is the proposed amendment of the sections of the University of Illinois Statutes which deal with academic freedom and tenure.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and terminations; leaves of absence; retirements.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ABRAHAMS, JEROME E., Clinical Instructor in Surgery (Medicine), five months from April 1, 1963, without salary (4-10-63).
ANDERSON, TRUMAN O., Assistant Professor of Medicine and of Microbiology (Medicine), July 1, 1963-August 31, 1965, $10,800 a year, supersedes (4-10-63).

ANTENEN, WAYNE W., Research Associate in Education Administration (College of Education), to render service during the second semester of the academic year, March 1-August 31, 1963, $5,400 a year (4-9-63).

BABB, DANIEL S., Professor of Electrical Engineering (C), two months from June 16, 1963, $2,400; this is in addition to his present appointment (4-8-63).

BAHL, BERNARD J., Professor of Chemistry (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $2,667 for the period (4-15-63).

BACH, GERHARD L., Research Assistant in Medicine (Medicine), six months from March 1, 1963, $4,900 a year (4-10-63).

BARAZANI, MORRIS, Assistant in Art (Chicago Undergraduate Division), five months from February 1, 1963, $2,500 (4-10-63).

BHARADWAJ, (MR.) RAMA KANT, Research Assistant in Entomology, two months from June 16, 1963, $889 (4-22-63).

BODREPOLY, JERRY S., Professor of General Engineering and Head of the Department (C), two months from June 16, 1963, $2,890; this is in addition to his present appointment (4-8-63).


GLASSMAN, SIDNEY F., Associate Professor of Biological Sciences (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $2,156 for the period, supersedes previous Summer Session appointment (4-22-63).
GOLAND, PHILIP, Research Associate in Orthodontics (Dentistry), five months from April 1, 1963, $8,000 a year (4-10-63).
GORDITA, RANJAN YOGESH, Research Assistant in the State Water Survey, three months from April 1, 1963, $408.33 a month (4-12-63).
GRANIER, EDMOND E., Research Associate in Mathematics, two months from June 16, 1963, $1,556; this is in addition to his present appointment (4-22-63).
GRIFFIN, ROBERT S., Clinical Instructor in Medicine (Medicine), ½ time, two months from July 1, 1963, $250 a month, supersedes (4-10-63).
HANSCOM, DONALD H., Clinical Instructor in Medicine (Medicine), May 6-August 31, 1963, without salary, supersedes salaried appointment (4-24-63).
HANSON, DONALD D., Associate Professor of Architecture, Summer Session of 1963, June 17-August 10, 1963, $2,445 for the period (4-15-63).
HAWKLAND, WILLIAM D., Professor of Law, Summer Session of 1963, June 17-August 10, 1963, $3,000 for the period (4-15-63).
HELM, LESTER L., Research Assistant Professor of Mathematics, two months from June 16, 1963, $1,800; this is in addition to his present appointment (4-22-63).
HOLDERMAN, JAMES B., Assistant Professor in the Institute of Government and Public Affairs, to render service during the second semester of the academic year, full time from February 1-March 31, 1963, $1,467, and ½ time from April 1-June 15, 1963, $1,466, supersedes (4-8-63).
HUBER, RODERIC S., Clinical Assistant in Medicine (Medicine), six months from March 1, 1963, without salary (4-10-63).
HURSH, LAURENCE M., Associate Professor of Hygiene, and Staff Physician in the Health Center and McKinley Hospital, $16,500 a year, and Associate Director of the Health Center and McKinley Hospital, $1,000 a year, April 1-August 31, 1963, supersedes (4-5-63).
JACKMAN, FREDERICK L., Clinical Assistant in Psychology, Department of Psychiatry (Medicine), seven months from February 1, 1963, without salary (4-6-63).
KAIN, SHELDON M., Instructor in Medicine (Medicine), March 18-August 31, 1963, $708.33 a month, supersedes nonsalaried appointment (4-8-63).
KATAGUE, DAVID B., Instructor in Chemistry (Pharmacy), Summer Session of 1963, ½ time, July 29-September 7, 1963, $500 for the period (4-24-63).
KING, TAKAO, Research Associate in Physics (C), one year from September 1, 1963, $7,500 (4-6-63).
KINZIE, MARION D., Associate Professor of Hygiene on indefinite tenure, and Staff Physician in the Health Center and in McKinley Hospital, April 1-August 31, 1963, $16,500 a year, supersedes (4-5-63).
KLEIN, IRWIN K., Instructor in Pathology (Medicine), one year from July 1, 1963, $7,000, supersedes his nonsalaried appointment (4-10-63).
KLOCK, PAUL W., Assistant Professor of Electrical Engineering (C), to render service during the second semester of the academic year, May 1-August 31, 1963, $750 a month, supersedes (4-23-63).
KRISHNAMURTHY, VISVANATHA, Research Associate in Mathematics, two months from June 16, 1963, $1,334; this is in addition to his present appointment (4-22-63).
KRIZAN, THOMAS F., Assistant Professor of Physical Education for Men (Summer Sports Fitness), ½ time, June 17-August 8, 1963, $1,233; this is in addition to his present appointment (4-8-63).
KRYSAN, JAMES L., Research Assistant in Entomology, two months from June 16, 1963, $889 (4-24-63).
LEE, SIU-WAH, Research Assistant in Physical Medicine and Rehabilitation (Medicine), five months from April 1, 1963, $470.83 a month (4-10-63).
MANSFIELD, J. VICTOR, Associate Professor of Chemistry (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,956 for the period (4-15-63).
McCORMON, MRS. BARBARA J. S., Research Associate in the Bureau of Community Planning, two months from April 1, 1963, $487.50 a month, supersedes (4-10-63).
MILES, MAURICE H., Research Associate in Metallurgical Engineering (C), June 15-August 31, 1963, $666.67 a month (4-8-63).
MONTGOMERY, CLARK A., Clinical Instructor in Medicine (Medicine), three months from June 1, 1963, without salary, supersedes salaried appointment (6-14-63).
MUELLER, KARL H., Research Associate in Orthopaedic Surgery (Medicine), three months from April 1, 1963, without salary (4-15-63).
NAKAMURA, HIROSHI, Research Associate in Agricultural Economics (S), four months from May 1, 1963, $666.67 a month, supersedes (4-10-63).
NELSON, JAMES A., Associate Professor of Ceramic Engineering (C), two months from June 16, 1963, $2,356; this is in addition to his present appointment (4-8-63).
NEWCOMER, HALE L., Professor of Accountancy, nine months from September 16, 1962, $14,400, supersedes (4-8-63).
NEWELL, JOHN T., II, Assistant Professor of Biological Sciences, ½ time, and Assistant Director of University Honors Programs, ¼ time (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,250 for the period, supersedes previous Summer Session appointment (4-15-63).
NISHIDA, YOSHIRO, Research Assistant in Physiology and Biophysics, April 16-September 30, 1963, $500 a month (4-10-63).
NUREY, BERNARD E., Visiting Lecturer in Elementary Education, July 1-August 23, 1963, $2,300 (4-8-63).
OLEKSY, MRS. MARGARET H., Instructor in English (Chicago Undergraduate Division), Summer Session of 1963, ½ time, June 21-August 16, 1963, $845 for the period (4-15-63).
ORVEDAHL, JESSE, Research Associate in Education (University High School), June 24-August 31, 1963, $1,900 (4-10-63).
PABARCIUS, ALGIS, Assistant Professor of Engineering (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,845 for the period (4-15-63).
PARTRIDGE, ROBERT W., Jr., Visiting Lecturer in Engineering (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,334 for the period (4-24-63).
PATTERSON, MRS. VALERIE, Assistant in Animal Science (S), March 4-August 31, 1963, $5,000 a year (4-19-63).
PERDRISAT, CHARLES FRANCOIS, Research Associate in Physics (C), one year from September 1, 1963, $8,000 (4-8-63).
PERESSINI, ANTHONY L., Research Associate in Mathematics, two months from June 16, 1963, $1,645; this is in addition to his present appointment (4-22-63).
PULLEN, LINDA G., Biology Library Assistant, in the Library, one year from September 1, 1963, $5,500 (4-8-63).
RANZRODE, ROBERT E., Research Assistant in Entomology, two months from June 16, 1963, $889 (4-22-63).
RANNINGER, JULIUS, Research Associate in Physics (C), one year from September 1, 1963, $8,000 (4-8-63).
REED, JACK A., Visiting Lecturer in Education, Summer Session of 1963, ½ time, June 17-August 10, 1963, $545 for the period (4-10-63).
RENGLER, EARL H., Student Training Program Adviser, for service under Contract ICAC-1258, at Pantnagar, U. P. Agricultural University, Pantnagar, India, two years from July 8, 1963, $14,300 a year (4-15-63).
ROBBIE, CHARLES L., Instructor in Firemanship Training (Division of University Extension), four months from May 1, 1963, $7,800 a year (4-10-63).
ROEPEKE, HOWARD G., Associate Professor of Geography, Summer Session of 1963, ¾ time, June 17-August 10, 1963, $542 for the period, supersedes previous Summer Session appointment (4-15-63).
ROSS, ALBION H., Visiting Lecturer in Journalism, 13/100 time, academic year beginning September 1, 1962, $1,200, supersedes (4-10-63).
RUSSELL, JOHN K., Instructor in Electrical Engineering (C), ¾ time, to render service during the second semester of the academic year, April 1-August 31, 1963, $1,000, supersedes (4-15-63).
SAULON, LAWRENCE, Instructor in Art (Chicago Undergraduate Division), 3/4 time, five months from February 1, 1963, $1,750 (4-8-63).

SCHMITT, PAUL J., Instructor in Ophthalmology (Medicine), 1/2 time, five months from April 1, 1963, $333.33 a month, supersedes (4-10-63).

SEYFARTH, FRANCIS, Professor of Mechanical Engineering (C), 1/2 time, two months from June 16, 1963, $770.32; this is in addition to his present appointment (4-22-63).

SHEER, GEORGE, Visiting Lecturer in Education, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $545 for the period (4-24-63).

SCHMIDT, PAT J., Instructor in Ophthalmology (Medicine), 4/2 time, five months from April 1, 1963, $333.33 a month, supersedes (4-10-63).

SIMMONS, L., Instructor in Sociology, Summer Session of 1963, June 17-August 10, 1963, $1,445 for the period (4-4-63).

SNYDER, R., Assistant in Education, in Vocational and Technical on 3/4 time and in the University High School on 3/4 time, February 1-June 15, 1963, $600 a month, supersedes (4-8-63).

STAGER, ROBERT A., Research Associate in Chemical Engineering, five months from April 1, 1963, $1,445 for the period (4-8-63).

STEWART, OMAR W., Research Associate in Chemistry, two months from June 16, 1963, $1,467; this is in addition to his present appointment (4-8-63).

STORCH, RICHARD H., Research Assistant in Entomology, two months from June 16, 1963, $888.88 (4-24-63).

TAKAYAMA, TAKASHI, Research Associate in Agricultural Economics (S), four months from May 1, 1963, $900 a month (4-8-63).

TANG, STEPHEN J. Y., Associate Professor of Architecture, Summer Session of 1963, June 17-August 10, 1963, $2,734 for the period (4-15-63).

TATSUOKA, MAURICE M., Associate Professor of Education (University High School), 3/4 time, two months from June 16, 1963, $1,542; this is in addition to his present appointment (4-17-63).

TELDER, ELSA B., Research Assistant in Psychiatry (Medicine), six months from March 1, 1963, without salary (4-15-63).

TOKAI, NICHOLAS, Associate Professor of Otolaryngology (Medicine), 3/4 time, one month from May 1, 1963, $1,066.66, supersedes (4-15-63).

TRAIKA, VINCENZO, Clinical Instructor in Anesthesiology, Department of Surgery (Medicine), eight months from January 1, 1963, without salary (4-10-63).

WALES, HUGH G., Professor of Marketing, Summer Session of 1963, June 17-August 10, 1963, $2,734 for the period (4-24-63).

WEISS, BERNARD J., Visiting Lecturer in History (Chicago Undergraduate Division), Summer Session of 1963, 2/3 time, June 21-August 16, 1963, $750 for the period (4-19-63).

WHITMER, ROGER G., Lecturer on Materials and Methods of Construction, Department of Architecture (Chicago Undergraduate Division), 1/2 time, five months from February 1, 1963, $1,500 (4-8-63).

WOLF, WILLIAM E., Assistant in Anesthesiology, Department of Surgery (Medicine), four months from March 1, 1963, without salary (4-10-63).

WYATT, STANLEY F., JR., Professor of Astronomy, June 17-August 23, 1963, $3,445; this is in addition to his present appointment (4-22-63).

YOCKEY, RAYMOND L., Clinical Assistant in Medicine (Medicine), six months from March 1, 1963, without salary (4-10-63).

GRADUATE FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ABDEL-SAMAD, SANA R., Fellow in Civil Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
ABEL, WILLIAM R., Xerox Corporation Fellow in Physics, nine months from September 16, 1963, $2,000 (4-10-63).

ABU-SALIH, MUHAMMAD S., Summer Fellow in Mathematics, two months from June 16, 1963, $375 (4-16-63).

ADAMS, RALPH E., Summer Fellow in English, two months from June 16, 1963, $375 (4-16-63).

AGASHE, SADANAND D., General Electric Foundation Fellow in Electrical Engineering, nine months from September 16, 1963, $2,500 (3-30-63).

ALTSCHUL, D. ROBERT, Summer Fellow in Geography, two months from June 16, 1963, $375 (4-16-63).

ANDERSON, EDWARD A., Summer Fellow in Chemistry, two months from June 16, 1963, $375 (4-17-63).

ANDERSON, FLOYD D., Fellow in Speech, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

ANDREWS, ALAN R., Fellow in Communications, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

ANDREWS, ALAN R., Fellow in Communications, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

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ANDREWS, ALAN R., Fellow in Communications, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
BRAND, JERRY D., The John B. Felmley Memorial Fellow in Civil Engineering, nine months from September 16, 1963, $3,000 (3-30-63).

BROSETSTEIN, ALLAN J., Fellow in Electrical Engineering, nine months from September 16, 1963, $1,500 (3-30-63).

BROMELS, EDWARD, Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

BROOME, O. W., JR., Summer Fellow in Accountancy, two months from June 16, 1963, $375 (4-16-63).

BROWN, EUGENE F., Fellow in Mechanical Engineering, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

BROWN, ROGER L., Fellow in Communications, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

BUTTER, ALAN C., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-22-63).

BYARS, ROBERT S., John A. Fairlie Fellow in Political Science, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

BROWN, ROGER L., Fellow in Communications, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

BUTTON, ALLAN C., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-22-63).

CALDWELL, R., Summer Fellow in French, two months from June 16, 1963, $375 (4-16-63).

CARNEY, JOSEPH H., Teaching Fellow in Chemistry, nine months from September 16, 1963, $2,000, and two months from June 16, 1963, $500 (3-30-63).

CARR, WAYNE E., General Electric Foundation Fellow in Physics, nine months from September 16, 1963, $2,500 (4-10-63).

CARTER, VERA N., Fellow in Library Science, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

CASEY, LEON O., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

CENNOR, JAMES M., Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

CHEA, LEON O., Teaching Fellow in Electrical Engineering, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (1-16-63).

CLARK, LARRY D., Summer Fellow in Speech, two months from June 16, 1963, $375 (4-16-63).

CLARK, WILLIAM A. V., Fellow in Geography, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

CLAYTON, LEE S., Fellow in Geology, nine months from September 16, 1963, $1,500 (3-30-63).

CLEM, JOHN R., United States Steel Foundation Fellow in Physics, nine months from September 16, 1963, $2,100 (4-10-63).

CLENDBENEN, RALPH L., Fellow in Chemical Engineering, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

COFF, WILLIAM R., Fellow in Education, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

CORUM, JAMES M., Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, $1,500; this is in addition to his assistantship in Theoretical and Applied Mechanics on 18/100 time (3-30-63).

COVERT, NADINE E., Summer Fellow in French, two months from June 16, 1963, $375 (4-16-63).

COX, KEVIN R., Fellow in Geography, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

CRILEY, BRUCE B., Teaching Fellow in Zoology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).


CROCKETT, A., Teaching Fellow in Music, nine months from September 16, 1963, $1,450, and two months from June 16, 1964, $375 (3-30-63).

CUNNINGHAM, RICHARD E., Summer Fellow in English, two months from June 16, 1963, $375 (4-16-63).

DAGRE, JOHN, Fellow in History, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
DALEY, LAWRENCE J., Fellow in Music, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

DANZIGER, MARGARET C., Lois Wells Irwin Fellow in Library Science, nine months from September 16, 1963, $500 (3-30-63).

DAS, ASIT B., Summer Fellow in Physiology and Biophysics, two months from June 16, 1963, $375 (4-16-63).

DAVIS, MICHAEL S., Summer Fellow in Electrical Engineering, two months from June 16, 1963, $375 (4-16-63).

DAVIS, STEVEN, Fellow in Philosophy, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

DAWSON, NANCY L., Summer Fellow in History, two months from June 16, 1963, $375 (4-16-63).

DEERING, RICHARD J., International Business Machines Fellow in Economics, nine months from September 16, 1963, $1,800 (3-30-63).

DEN ADEL, RAYMOND L., Teaching Fellow in Classics, nine months from September 16, 1963, $1,100, and two months from June 16, 1964, $375 (4-9-63).

DEVITO, JOSEPH A., Fellow in Speech, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

DONGHUE, JOHN T., Raytheon Company Fellow in Physics, nine months from September 16, 1963, $2,000 (4-10-63).

DROUHY, ROBERT E., Hackett Fellow in Horticulture, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-29-63).

DUNIGAN, ELAINEM., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

DURAND, DAVID A., Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

EYMAN, DARRELL P., Gillette-Toni Fellow in Chemistry, nine months from September 16, 1963, $2,500 (4-19-63).

FFERTAG, ROBERT H., Fellow in Accounting, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

FERNANDES, D., Fellow in Aeronautical and Astronautical Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

FISHER, THOMAS A., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-22-63).

FITZ, ROGER C., Wright Fellow in Agronomy, nine months from September 16, 1963, $1,800 (4-1-63).

FOGLE, DALE A., Fellow in Electrical Engineering, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

FOGLESONG, WILLIAM D., Teaching Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

FORREY, WILLIAM L., Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, $2,000 (3-30-63).

FORREY, WILLIAMS, Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
FRADIN, FRANK Y., Union Carbide Corporation Fellow in Metallurgy, nine months from September 16, 1963, $2,400 (3-30-63).


FRIEDMAN, MARGARET J., Fellow in Anthropology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

FRIEDMAN, RICHARD E., Fellow in Economics, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

FUJAROS, RODERICK G., Fellow in Electrical Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

GAGLIANO, FELIX V., JR., Kendric C. Babcock Fellow in Political Science, nine months from September 16, 1963, $2,000 (3-30-63).


FRIEDMAN, MARGARET J., Fellow in Anthropology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

FRYMAN, RICHARD F., Fellow in Economics, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

FUJAROS, RODERICK G., Fellow in Electrical Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

GAGLIANO, FELIX V., JR., Kendric C. Babcock Fellow in Political Science, nine months from September 16, 1963, $2,000 (3-30-63).

GAMBLE, JAMES C., Summer Fellow in Geology, two months from June 16, 1963, $375 (4-16-63).

GARFIELD, RICHARD S., Fellow in Spanish, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

GARFIELD, RICHARD S., Fellow in Spanish, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

GIBSON, WILLIAM R., Fellow in Animal Science, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

GINTHER, JOHN L., Teaching Fellow in Education, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

GOLD, LLOYD A., Teaching Fellow in Music, nine months from September 16, 1963, $1,450, and two months from June 16, 1964, $375 (3-30-63).

GOODALE, BRUCE G., Fellow in Civil Engineering, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

GUTMAN, DAVID, Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

GUTMAN, DAVID, Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

HAAK, RONALD O., Fellow in Anthropology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

HAKKONEN, THOMAS A., Fellow in Mathematics, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

HANCOCK, RICHARD A., Fellow in Anthropology, nine months from September 16, 1963, $2,400 (3-30-63).

HARRIS, ERIC P., Union Carbide Corporation Fellow in Physics, nine months from September 16, 1963, $2,100 (4-10-63).

HARRIS, RUTH, Fellow in Education, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
Hartl, Adrienne L., Fellow in English, nine months from September 16, 1963, $2,000 (3-30-63).

Haskell, William L., Fellow in Physical Education, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Hatter, William R., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).


Heath, Christopher P. M., Fellow in Geology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (4-10-63).

Heggen, Jon P., Fellow in Political Science, nine months from September 16, 1963, $2,000 (3-30-63).

Heiple, Clinton R., Inland Steel Company Fellow in Metallurgy, nine months from September 16, 1963, $2,400 (3-30-63).

Heggan, Jon, Fellow in Anthropology, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $375 (3-30-63).

Hercig, Joseph E., National Aeronautics and Space Administration Fellow in Electrical Engineering, one year from September 1, 1963, $2,400 (4-9-63).

Heron, James P., National Aeronautics and Space Administration Fellow in Electrical Engineering, one year from September 1, 1963, $2,400 (3-30-63).

Hicks, George L., Jr., Teaching Fellow in Anthropology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Hill, Stephanie O., Fellow in Music, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

Hill, Thomas D., Jr., Summer Fellow in English, two months from June 16, 1963, $375 (4-16-63).

Hirst, Virginie A., Fellow in English, nine months from September 16, 1963, $2,000, and two months from June 16, 1963, $500 (3-30-63).

Hoeck, Carol L., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

Hoffman, Martin R., National Aeronautics and Space Administration Fellow in Mathematics, one year from September 1, 1963, $2,400 (4-4-63).

Hoffman, Ralph A., Fellow in Accountancy, nine months from September 16, 1963, $1,500 (3-30-63).

Houchnis, Albert F., Teaching Fellow in Mechanical Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

Hubbard, Dorothy L., Fellow in Music, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Hubbell, John T., Summer Fellow in History, two months from June 16, 1963, $375 (4-16-63).

Huffnagle, John D., Summer Fellow in Economics, two months from June 16, 1963, $375 (4-16-63).

Hutson, Phillip L., Fellow in History, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

Ikeda, Hiroshi, Fellow in Education, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Issa, Ahmad D. M., Fellow in Finance, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Jacobs, Allan E., Fellow in Physics, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $450 (3-30-63).

Jansen, Peter K., Summer Fellow in German, two months from June 16, 1963, $375 (4-16-63).

Johnson, Bernard R., Minnesota Mining and Manufacturing Company Fellow in Physics, nine months from September 16, 1963, $2,100 (4-10-63).

Johnson, Richard T., Teaching Fellow in Physics, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $450 (3-30-63).
JOHNSON, ROBERT C., Summer Fellow in English, two months from June 16, 1963, $375 (4-16-63).
JOHNSON, WAYNE A., Summer Fellow in Accountancy, two months from June 16, 1963, $375 (4-16-63).
JONES, GWEN E., Fellow in Music, nine months from September 16, 1963, $1,500, (3-30-63).
JONES, JANICE E., Summer Fellow in Geography, two months from June 16, 1963, $375 (4-16-63).
JORDAN, JAMES W., Fellow in Art, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
KAPLAN, LEONARD, Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).
KARIPIDES, ANASTAS G., Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (3-30-63).
KENNEDY, EDWARD D., Teaching Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
Keller, Jon S., Fellow in History, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
Ketchum, Paul L., Hackett Fellow in Animal Science, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).
KILBY, VIRGINIA A. A., Fellow in Zoology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
KILLIAN, MARILYNE., Summer Fellow in Music, two months from June 16, 1963, $375 (4-16-63).
Kirby, ALBERT C., National Aeronautics and Space Administration Fellow in Physiology and Biophysics, one year from September 1, 1963, $3,000 (4-10-63).
Kline, C. Janie, Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).
Kopp, Linda M., Fellow in Russian, nine months from September 16, 1963, $1,900, and two months from June 16, 1963, $475 (3-30-63).
Kuehn, Elaine M., Fellow in History, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).
Kuhonta, Precioso C., Wright Fellow in Agricultural Economics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
Lacey, James E., Fellow in Geology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
Ladd, Robert G., Minnesota Mining and Manufacturing Company Fellow in Chemical Engineering, nine months from September 16, 1963, $2,000 (3-30-63).
Laguerre, Dennis R., National Aeronautics and Space Administration Fellow in Civil Engineering, one year from September 1, 1963, $3,000 (3-30-63).
Lane, Arthur L., Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (3-30-63).
Langner, Ernst H., Wright Fellow in Food Technology (Dairy Technology) nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (4-8-63).
Lanier, Warren W., Jr., Summer Fellow in Chemistry, two months from June 16, 1963, $375 (4-16-63).
Larson, Dennis L., Hackett Teaching Fellow in Agricultural Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).
Lebeda, Dennis L., Hackett Teaching Fellow in Agricultural Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).
LEBERMANN, KENNETH W., Wright Fellow in Food Technology, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (4-8-63).

LEE, SAMUEL C., Fellow in Electrical Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (4-10-63).

LEHMKUHLE, GEORGE D., Dow Chemical Company Fellow in Chemical Engineering, nine months from September 16, 1963, $1,900 (3-30-63).

LEWELLEN, WILLIAM D., Summer Fellow in Education, two months from June 16, 1963, $375 (4-16-63).

LEWIS, MARCIA S., Summer Fellow in Spanish, two months from June 16, 1963, $375 (4-16-63).

Li, YIU-CHING, Fellow in Civil Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

LIDEN, ANITA E., Augustana College Fellow in Library Science, nine months from September 16, 1963, $1,500 (3-30-63).

LILJE, GERALD W., Fellow in Philosophy, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

LILQUIST, KENNETH W., Fellow in Art, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (4-24-63).

LOSEE, DAVID L., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1963, $2,400 (3-30-63).

LOWE, ANTHONY D., Fellow in Political Science, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

LUCAS, KENNETH R., Socony Mobil Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-19-63).

LUNDQUIST, KAREN L., Teaching Fellow in Anthropology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

LILLQUIST, KAREN L., Teaching Fellow in Anthropology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

MACH, RICHARD P., Fellow in History, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

MAY, DAVID R., Fellow in Psychology, nine months from September 16, 1963, $1,500 (3-30-63).

MAYBERRY, JOHN P., Fellow in Mathematics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

MAYOH, BRIAN H., Continental Oil Company Fellow in Mathematics, nine months from September 16, 1963, $2,200 (4-15-63).

McCARTHY, DONALD J., Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (3-30-63).

McBRIDE, JOHN D., Summer Fellow in English, two months from June 16, 1963, $375 (4-17-63).

MCLELLAN, GUERRY H., National Lead Fellow in Geology, nine months from September 16, 1963, $1,500 (3-30-63).

MCCLAN, GEORGE E., Fellow in Mathematics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

MCGURK, DONALD J., Fellow in Chemistry, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $600 (3-30-63).

McKELLAR, A. C., Teaching Fellow in Electrical Engineering, nine months from September 16, 1963, $1,500 (3-30-63).

MCMANN, MARSHA R., Teaching Fellow in Dance, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

MEADOR, PRENTICE A., JR., Summer Fellow in Speech, two months from June 16, 1963, $375 (4-17-63).
MEEDE, GLEN D., Summer Fellow in Mathematics, two months from June 16, 1963, $375 (4-16-63).

MEEKSE, PEGGY C., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

MEREDITH, DALE D., Fellow in Civil Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

MILLIGAN, DAVID V., National Aeronautics and Space Administration Fellow in Chemistry, one year from September 1, 1963, $3,400 (3-30-63).

MITCHELL, JAMES E., Fellow in Chemical Engineering, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $375 (3-30-63).

MITCHELL, WILLIAM T., Fellow in Chemical Engineering, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $375 (3-30-63).

MOORE, JOHN N., Summer Fellow in Law, two months from June 16, 1963, $375 (4-16-63).

MOORE, WALTER P., JR., Fellow in Civil Engineering, nine months from September 16, 1963, $1,500 (3-30-63).

MOSSBARGER, JERRY A., Owens-Corning Fiberglas Fellow in Ceramic Engineering, eleven months from September 16, 1963, $2,100 (3-30-63).

MOSS, WILLIAM E., Teaching Fellow in Agricultural Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

NEUFEIELD, LEONARD N., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

NEUFELDT, N., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

O'CONNOR, LINDA H., Summer Fellow in Chemistry, two months from June 16, 1963, $375 (4-16-63).

O'DEE, DEAN A., Illinois College Fellow in History, nine months from September 16, 1963, $1,500 (3-30-63).

ONTMAN, MARILYN A., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

PARRIS, WILLIAM O., Fellow in Chemical Engineering, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $375 (3-30-63).

PAYNE, WILLIAM H., Edward Orton Jr. Ceramic Foundation Fellow in Ceramic Engineering, nine months from September 16, 1963, $1,500 (3-30-63).

PEREZ-ALBUERNE, EVELIO A., Fellow in Chemical Engineering, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (3-30-63).

PERMAN, J. MICHAEL, Fellow in History, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

PETRASEN, HAROLD J., Esso Research and Engineering Company Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-19-63).

PETRESEN, MARCET A., Summer Fellow in Art, two months from June 16, 1963, $375 (4-16-63).

PETROSKI, HENRY J., Sloan Foundation Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, $1,800 (3-30-63).

PHILLIPS, ROBERT D., Fellow in Classics, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

PIEPMEIER, EDWARD H., Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).
Pierdos, Theodora A., Kendric C. Babcock Fellow in History, nine months from September 16, 1963, $2,000 (3-30-63).
Potter, Daniel P., II, Fellow in English, nine months from September 16, 1963, $1,500 (3-30-63).

Pritchard, Linda, Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Puckett, Reginald T., Lubrizol Foundation Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-22-63).

Quirk, Roderic P., Roger Adams Teaching Fellow in Chemistry, nine months from September 16, 1963, $2,000 (3-30-63).

Ragsdale, James D., Jr., Teaching Fellow in Speech, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Raja, K. G. Varma, Wright Fellow in Animal Science, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Rankin, Carolyn, Millikin College Fellow in English, nine months from September 16, 1963, $1,500 (3-30-63).

Rice, Ullan M., Fellow in Psychology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Rogers, Charles A., Fellow in Physics, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $450 (3-30-63).

Roehmaller, Paul L., Sloan Foundation Fellow in Civil Engineering, nine months from September 16, 1963, $1,800 (4-9-63).

Rupley, Lawrence A., Summer Fellow in Economics, two months from June 16, 1963, $375 (4-16-63).

Sabacky, Milton J., Sinclair Oil Corporation Fellow in Chemistry, nine months from September 16, 1963, $1,800 (4-19-63).

Sawyer, James A., Summer Fellow in Economics, two months from June 16, 1963, $375 (4-17-63).

Schaefer, Douglas L., Fellow in Social Sciences, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Scheila, Sandra S., Katharine L. Sharp Fellow in Library Science, one year from June 16, 1963, $500 (3-30-63).

Schneider, Barbara J., Fellow in Botany, nine months from September 16, 1963, $1,500 (3-30-63).

Schraeder, Lawrence E., Fellow in Agronomy, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

Schoeder, William F., United States Public Health Service Fellow (Trainee) in Veterinary Medicine, five months from March 1, 1963, $2,375, supersedes (4-15-63).

Schwartz, Richard B., Fellow in English, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

Shek, Peter D., Fellow in Ceramic Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Shao, Tzu-Sien, Fellow in Mathematics, nine months from September 16, 1963, $1,500 (3-30-63).

Sharpe, Thomas R., Dow Chemical Company Fellow in Chemistry, nine months from September 16, 1963, $1,900 (4-19-63).

Shea, James H., Shell Company Foundation Fellow in Geology, nine months from September 16, 1963, $1,800 (3-30-63).

Shields, Dolores D., Fellow in Music, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

Siefert, Thomas E., Summer Fellow in History, two months from June 16, 1963, $375 (4-16-63).

Silberstein, Ilan, Fellow in Mechanical Engineering, February 1-June 15, 1964, $750, and two months from June 16, 1964, $375 (3-30-63).


Sinclair, Kenneth E., Fellow in Education, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

Slater, John M., L. J. Norton Memorial Fellow in Agricultural Economics, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (4-8-63).

Smith, Don S., Summer Fellow in Law, two months from June 16, 1963, $375 (4-16-63).
SMITH, ROBERT A., Fellow in Electrical Engineering, nine months from September 16, 1963, $1,500 (3-30-63).

SMITH, ROGER A., Teaching Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (3-30-63).

SMITH, THOMAS E., Jr., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

SOLOMON, KENNETH L., Fellow in Accountancy, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

SORENSEN, ALVIN P., James W. Garner Fellow in Political Science, nine months from September 16, 1963, $2,000 (3-30-63).

SPEAR, RITA L., Fellow in French, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

SPENCLEY, KENNETH J., Summer Fellow in English, two months from June 16, 1963, $375 (4-16-63).

STEFFEN, WILLIAM W., Teaching Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

STEIN, ALLAN R., Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (3-30-63).

STERN, DANIEL H., Summer Fellow in Zoology, two months from June 16, 1963, $375 (4-16-63).

STEVENS, KENT R., Fellow in Dairy Science, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

STROMSTA, ROGER R., Teaching Fellow in Mechanical Engineering, nine months from September 16, 1963, $1,500 (3-30-63).


SUSMAN, ALMA D., James W. Garner Fellow in Political Science, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

TASCH, ALOYSIUS F., Jr., Fellow in Physics, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $450 (3-30-63).

TAYLOR, JANE U., Fellow in Spanish, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

TERNES, JOHN, Summer Fellow in German, two months from June 16, 1963, $375 (4-16-63).

TILSON, LAWRENCE F., Fellow in Spanish, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $475 (3-30-63).

TORRES, DAVID, Fellow in Spanish, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

TREPTOW, RICHARD S., Summer Fellow in Chemistry, two months from June 16, 1963, $375 (4-16-63).
TRESCOTT, Peter C., Fellow in Geology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

TRUETT, William J., Summer Fellow in Economics, two months from June 16, 1963, $375 (4-16-63); and Fellow in Economics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

VAN BUREN, Franklin D., Fellow in Economics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

VAN DER NAALD, Anje C., Fellow in Spanish, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

VAN DE VREUN, Frank L., Fellow in Economics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

VARS, Edward C., Hackett Fellow in Agronomy, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (4-1-63).

VOICH, Dan, Jr., Fellow in Business, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-28-63).

VON RIESEN, Richard D., Teaching Fellow in Marketing, nine months from September 16, 1963, $1,500, and two months from June 16, 1963, $375 (3-30-63).

WAGGENER, E., Fellow in Psychology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

WAGNER, Robert E., Teaching Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

WALLACE, James T., Summer Fellow in Zoology, two months from June 16, 1963, $375 (4-16-63).

WALTERS, John P., Procter and Gamble Company Fellow in Chemistry, nine months from September 16, 1963, $2,100 (4-19-63).

WALTERS, William B., Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

WARD, William J., III, American Oil Foundation Fellow in Chemical Engineering, one year from September 1, 1963, $3,600 (4-15-63).

WASSERMAN, Margo A., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

WEAVER, Walter L., III, Fellow in Aeronautical and Astronautical Engineering, nine months from September 16, 1963, $1,500 (3-30-63).

WEBER, Carl S., United States Public Health Service Fellow in Chemistry, one year from February 1, 1963, $4,000 (4-2-63).

WEBER, Frank E., Fellow in Food Technology, nine months from September 16, 1963, $1,800, and two months from June 16, 1964, $600 (3-30-63).

WEBSTER, Lee A., Automotive Safety Foundation Fellow in Highway Engineering, nine months from September 16, 1963, $1,500 (3-30-63).

WEINSTEIN, Jay A., Teaching Fellow in Sociology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).


WELSH, Arthur L., Summer Fellow in Economics, two months from June 16, 1963, $375 (4-16-63).

WHITE, John M., Fellow in Chemistry, nine months from September 16, 1963, $1,800, and two months from June 16, 1963, $600 (3-30-63).

WICKRAMASINGHE, Diamantia N. T., Fellow in Entomology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

WIDDMAN, Ruth L., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

WILEY, Jack C., Summer Fellow in Theoretical and Applied Mechanics, two months from June 16, 1963, $375 (4-16-63).

WILLIAMS, Judith A. O., Fellow in Biophysics, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

WILSON, David W., Sprague Electric Company Fellow in Physics, nine months from September 16, 1963, $2,100 (4-10-63).

WOMACK, Z., Fellow in Economics, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

WOODMANSEE, Donald E., Sun Oil Company Fellow in Chemical Engineering, eleven months from September 16, 1963, $2,300 (3-30-63).

WOODS, Paula M., Illinois Wesleyan University Fellow in English, nine months from September 16, 1963, $1,500 (3-30-63).
WU, SHU-YAU, Fellow in Electrical Engineering, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

WRIGHT, RAMIL C., Fellow in Geology, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

YANG, HENDERSON C. H., Teaching Fellow in Physics, nine months from September 16, 1963, $2,000, and two months from June 16, 1964, $500 (3-30-63).

YODER, WILBUR E., Summer Fellow in Architecture, two months from June 16, 1963, $375 (4-16-63).

ZELNICK, STEPHEN C., Fellow in English, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (3-30-63).

ZENG, MICHAEL W., Teaching Fellow in Music, nine months from September 16, 1963, $1,950, and two months from June 16, 1964, $500 (3-30-63).

DECLINATIONS, RESIGNATIONS, AND TERMINATIONS

ALLEMAN, MRS. WINIFRED, Assistant Agriculture Librarian, with rank of Instructor — resignation effective June 16, 1963.

BAGBY, ROLAND M., United States Public Health Service Fellow (Trainee) in Physiology — termination effective April 1, 1963.

BARBER, DENNIS, Instructor in Operative Dentistry (Dentistry) — resignation effective April 1, 1963.


BELL, CHARLES L., Assistant Professor of Chemistry (Pharmacy), Summer Session of 1963 — declination effective July 29, 1963.

BOND, JAMES A., Assistant Professor of Biological Sciences (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.

BOWMAN, CLETUS E., Professor of Theoretical and Applied Mechanics, Summer Session of 1963 — declination effective June 17, 1963.

CHABOT, ANDRE, Assistant Professor of Pediatrics (Medicine) — resignation effective May 7, 1963.

CHIHARA, CHARLES S., Assistant Professor of Philosophy — resignation effective September 1, 1963.

COTRELL, HOWARD W., Instructor in Library Science — resignation effective September 1, 1963.


DIESING, PAUL R., Assistant Professor of Philosophy — resignation effective September 1, 1963.

DIVILBIS, JAMES L., Research Associate in the Coordinated Science Laboratory — resignation effective May 1, 1963.

DOCKSTAD, MICHAEL L., Fellow in History — resignation effective June 16, 1963.

EXUM, MRS. DOLORES B., Instructor in Medical Social Work (Medicine) — resignation effective April 28, 1963.

FEINSTEIN, AMIEL, Assistant Professor of Mathematics — resignation effective April 1, 1963.


FOGHT, MRS. MARTHA, Research Assistant in Zoology — resignation effective April 1, 1963.

FRICHT, MAX M., Visiting Professor of Theoretical and Applied Mechanics — declination effective September 1, 1963.

GALLAGHER, ROBERT E., Assistant Professor of English (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.

HELGER, EDWARD M., Librarian in the Chicago Undergraduate Division and Professor of Library Administration — resignation effective September 1, 1963.

HOLLON, GEORGE W., Associate Professor of Civil Engineering — resignation effective September 1, 1963.

JOHNSON, CHARLES E., Associate Professor of Education, Summer Session of 1963 — declination effective June 17, 1963.

MADEEN, ALBERT G., Research Associate in Marketing — resignation effective May 9, 1963.
MEAGHER, GEORGE B., Assistant in Dermatology (Medicine) — resignation effective March 1, 1963.

MOWRER, WILLIE MAE, Assistant Professor of Home Economics, Summer Session of 1963 — resignation effective June 17, 1963.


OSMAN, ELIZABETH M., Associate Professor of Home Economics — resignation effective September 1, 1963.


RUBINSTEIN, MRS. VIRGINIA, Serials Cataloger in the Library, with rank of Instructor — resignation effective April 15, 1963.

RYAN, DAVID G., Professor of Mechanical Engineering — resignation effective June 16, 1963.

SCOTTON, DONALD W., Associate Professor of Marketing, Summer Session of 1963 — resignation effective June 17, 1963.

SHEA, JAMES H., Fellow in Geology — resignation effective June 16, 1963.

SKOLEN, THORALF A., Visiting Professor of Mathematics — resignation effective April 15, 1963.

SMITH, JAMES O., Professor of Theoretical and Applied Mechanics, Summer Session of 1963 — resignation effective June 17, 1963.

SWALLOW, RONALD J., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective February 1, 1963.


WEIDERT, JOHN F., Assistant Extension Editor, with rank of Instructor — resignation effective April 19, 1963.

WEIMER, CLARA B., Assistant Professor of Psychology, Department of Psychiatry (Medicine) — resignation effective March 1, 1963.

LEAVES OF ABSENCE

ELAZAR, DANIEL J., Assistant Professor in the Institute of Government and Public Affairs — leave of absence, without pay, for one month from July 1, 1963, so that he may take advantage of a research fellowship for study in the Huntington Library, San Marino, California.

FREUND, ERIC C., Research Associate in the Bureau of Community Planning — extension of leave of absence, without pay, for continued service to the Illinois Board of Economic Development, from January 1 through August 31, 1963.

FRITH, DONALD E., Associate Professor of Art — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a Danforth Fellowship for advanced study.

HENNESSY, JAMES J., Instructor in Art — additional leave of absence, without pay, for one year from September 1, 1963, so that he may continue his studies at the American Academy in Rome under a Prix de Rome Fellowship.

KARSH, BERNARD, Associate Professor of Sociology, and in the Institute of Labor and Industrial Relations — leave of absence, without pay, for one year from September 1, 1963, for the purpose of study at Stanford University.

KASKE, ROBERT E., Professor of English — leave of absence, without pay, beginning September 1, 1963, and continuing through February 29, 1964, so that he may accept a visiting professorship at Cornell University.

NICHOLS, J. ALDEN, Associate Professor of History — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a Senior Fulbright Fellowship for study and research in Germany.

PALMER, JOHN D., Assistant Professor of Biological Sciences (Chicago Undergraduate Division) — leave of absence, without pay, for one year from September 1, 1963, so that he may study and do research at the University of Bristol, in England, under a postdoctoral fellowship.

PERLMUTTER, MRS. SHIRLEY, Instructor in Occupational Therapy (Medicine) — leave of absence, without pay, from June 24 through August 31, 1963.
ROSEN, SIDNEY, Associate Professor of Physical Science, in the Division of General Studies—leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Professor in Colombia, South America, under sponsorship of the Ford Foundation.

SAYRE, ROBERT F., Instructor in English—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a Fulbright lectureship for lectures and studies in Sweden.

SPARGO, MRS. GLADYS R., Acquisition Assistant in the Library (Chicago Undergraduate Division)—leave of absence, without pay, beginning June 17 and continuing through July 31, 1963, so that she may attend the Graduate Library School in Urbana.

SPERA, FRANK X., Instructor in Fixed Partial Prosthodontics (Dentistry)—leave of absence, without pay, beginning March 22 and continuing through August 31, 1963, on account of illness.

STARR, CHESTER G., Professor of History—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a visiting professorship at the University of Washington.

THOMAS, GARTH J., Professor of Physiology and Research Professor of Electrical Engineering—leave of absence, without pay, from July 15 through August 31, 1963, so that he may accept an invitation to teach in the Department of Psychology during the summer session at the University of Washington, Seattle.

WESTMEYER, PAUL, Assistant Professor of Education—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a visiting assignment as staff member in the Science Education Center of the University of Texas.

RETIREMENTS

LENDRUM, FREDERICK C., Associate Professor of Medicine (Medicine)—retirement effective February 13, 1963.

JUNE AND JULY MEETINGS

President Clement reminded the Board that it had previously voted to hold its June meeting on Wednesday, June 19, in Peoria, and asked if any of the Trustees desired to offer suggestions concerning arrangements for the meeting. It was the consensus of the Trustees that the President and Secretary of the Board of Trustees should decide upon the place and the schedule of the meeting.

Consideration was also given to holding the July meeting on Tuesday, July 2, if the internal operating budget for 1963-64 can be prepared for presentation to the Board at that time.

EXECUTIVE SESSION

President Clement announced that an executive session had been requested and was being ordered for consideration of recommendations relating to property acquisitions and that this session would be held following a recess for luncheon.

At 12:45 p.m., on motion of Mr. Swain, the Board recessed.

Student representatives of the colleges and departments at the Medical Center, members of the Vice-President’s Advisory Council, and members of the Medical Center Committee on Educational Policy were guests of the Board at luncheon and were introduced.

Following luncheon the Board reconvened, in executive session. The same members of the Board, officers of the University, and officers of the Board were present as recorded at the beginning of these minutes except for Mr. Ray Page, who asked to be excused.

The Board considered the following reports and recommendations.
PURCHASE OF PROPERTIES

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the following properties for the purposes and at the prices indicated:

1114 West Oregon Street, Urbana, for temporary housing.................. $34,000
- A two-story and basement frame dwelling on a lot 65 feet by 157 feet; possession will be delivered by June 15, 1963.

909-909½ South Fifth Street, Champaign, as part of the site for a residence hall for single graduate students............... 37,500
- A three-story and basement frame house on a lot 57 feet by 140 feet; possession will be delivered by July 1, 1963.

Funds are available in the state capital appropriations to the University from the 1961-63 Bond Issue and have been released.

The prices are consistent with appraisals secured by the University and with the recommendations for the acquisition of these properties which have previously been submitted to and concurred in by the Committee on Buildings and Grounds.

The Board of Trustees on March 20, 1963, authorized condemnation proceedings for acquisition of the property at 909-909½ South Fifth Street, Champaign. However, through subsequent negotiations, the price indicated has been agreed upon, which is within the limit authorized by the Committee on Buildings and Grounds. This price also appears to be the lowest price for which the property can be acquired without condemnation proceedings.

I recommend authorization of these purchases, and further recommend that the Board rescind its resolution of March 20, 1963, with respect to condemnation proceedings for acquisition of the property at 909-909½ South Fifth Street, Champaign.

On motion of Mr. Pogue, the purchase of these properties, at the prices recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page.

ACQUISITION OF PROPERTY AT 1306 WEST STOUGHTON STREET, URBANA, ILLINOIS

(2) University representatives have been negotiating for the purchase of the property at 1306 West Stoughton Street, Urbana, Illinois. The property is a lot 44 feet by 132 feet (5,808 square feet) with a two-story and basement frame building now used as an apartment by the owner and for student rooms. The land is needed as part of the site for College of Engineering buildings, and specifically for the new Civil Engineering Building.

On the basis of University appraisals, the owners have been advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of $22,000, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

Resolution Authorizing Condemnation of Property At 1306 West Stoughton Street, Urbana, Illinois

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The West Forty-four (44) feet of Lot Nine (9) in Block Fifty-one (51) of the Seminary Addition to Urbana, and all of Lot Nine (9) except the East
Twenty-two (22) Feet thereof in Block Fifty-one (51) in the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, in the State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for expansion of the facilities of the College of Engineering, as a site for a Civil Engineering Building addition, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinafter set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page.

PURCHASE OF PROPERTY AT 1310 WEST STOUGHTON STREET.

URBANA, ILLINOIS

(3) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1310 West Stoughton Street, Urbana,
Illinois, at a price of $20,000, required as part of the site for construction of the new Civil Engineering Building.

The property consists of a lot 50 feet by 132 feet (6,600 square feet) and is improved with a one-story and basement frame dwelling.

The Committee on Buildings and Grounds has been consulted regarding this purchase and recommends approval.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Hughes, the purchase of this property at the price recommended was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page.

At 3:00 p.m., on motion of Mr. Hughes, the Board recessed until 7:30 p.m.

EVENING SESSION

Pursuant to the schedule announced in the official notice of today's meeting of the Board of Trustees of the University of Illinois, the Board reconvened at 7:30 p.m. in the Illinois Room of the LaSalle Hotel, Chicago. This session was held at the LaSalle Hotel for the convenience of the public and especially representatives of the contractors interested in the awards of the Congress Circle construction contracts.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Ray Page and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker of the Chicago Undergraduate Division, Vice-President Joseph S. Begando of the Medical Center, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Edward S. Sefcik and Mr. Donald C. Neville, Assistants to the Director of the Physical Plant, Mr. Richard Kreutz of the firm of Skidmore, Owings, and Merrill, Architects and Engineers, Chicago; and the officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

CAPITAL BUDGET AND BUILDING PROGRAM FOR 1963-65

President Clement announced that Mr. Williamson as Chairman of the Finance Committee desired to present a resolution with respect to the University's capital budget for 1963-65 in the event that some action may need to be taken prior to the June meeting of the Board of Trustees and it is not feasible to call a special meeting of the Board. Mr. Williamson offered the following:

Resolved: That the Executive Committee of the Board of Trustees is empowered to take whatever action it deems necessary to modify the form of the University's capital budget request for 1963-65, as heretofore approved, to adjust the capital needs expressed in that budget to any funding arrangement which
supplies such capital from sources other than state appropriations, such as the Illinois Building Authority.

This resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

CONTRACTS FOR CONSTRUCTION OF THE CONGRESS CIRCLE CAMPUS

At the request of the President of the University, Director C. S. Havens of the Physical Plant presented a report he had made to the President on May 13, 1963, on the bids received on April 11 and 18, 1963, for all construction at the Congress Circle Campus with the exception of the Heating Plant and the Congress Circle Union Building. Copies of the report were distributed to all the Trustees at the meeting (and subsequently were sent to the absentees), and a copy was filed with the Secretary for record. Following this report, Director Havens presented specific recommendations made by him and the Vice-President and Comptroller for the award of contracts for construction of buildings, and other improvements, on the Congress Circle Campus including: the Staff and Administration Offices Building, Classroom Complex Building, Library Building, Site Development — Lecture Center, Engineering and Sciences Laboratories Building, Physical Plant Building, and landscaping, the award in each case being to the lowest bidder.

Director Havens announced that recommendations will be submitted later for awards of contracts for the Heating Plant and the Union Building, which will complete construction of the first phase of the Congress Circle Campus.

The specific recommendations for the awards of contracts follow.

General Work (Division I) for all projects — Gust K. Newberg Construction Company, Chicago. $23,943,930.00
Base bid .................................................. $23,422,000.00

Additive alternates

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment of other contracts to the general contractor</td>
<td>150,000.00</td>
</tr>
<tr>
<td>Painting various interior areas</td>
<td>3,000.00</td>
</tr>
<tr>
<td>Painting corridors</td>
<td>13,000.00</td>
</tr>
<tr>
<td>Substitute glass of 1 to 3 per cent light transmission for 9 to 11 per cent in the classroom complex</td>
<td>34,300.00</td>
</tr>
<tr>
<td>Substitute masonry wall for a chain link fence at Blue Island Avenue and at Roosevelt Road</td>
<td>40,000.00</td>
</tr>
<tr>
<td>Substitute Morgan Street entrance for a Blue Island entrance</td>
<td>35,000.00</td>
</tr>
<tr>
<td>Construct ramp and elevated walkway across Taylor Street</td>
<td>143,000.00</td>
</tr>
<tr>
<td>Add suspended acoustical ceilings to certain rooms in the Staff and Administration Offices Building</td>
<td>3,000.00</td>
</tr>
<tr>
<td>Substitute plaster finish coat construction for dry wall in Staff and Administration Offices Building</td>
<td>33,000.00</td>
</tr>
<tr>
<td>Substitute concrete for stabilized base for areas to be paved</td>
<td>68,000.00</td>
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</tbody>
</table>
Deductive alternate
Omit certain pipe railings in the Engineering and Sciences Laboratories Building......................................... 370 00

Plumbing (Division II) for the
Staff and Administration Offices Building — Nu-Way Plumbing Service, Inc., Chicago.................................. 269 000 00
Classroom Complex — E. Ranieri and Sons Plumbing and Heating Corporation, Chicago................................. 172 998 00
Library — E. Ranieri and Sons Plumbing and Heating Corporation, Chicago .................................................. 96 488 00
Site Development — Lecture Center — Economy Plumbing and Heating Company, Inc., Skokie.......................... 498 000 00
Engineering and Sciences Laboratories — Frank S. Bellis, Berwyn ................................................................. 396 500 00

Base bid ........................................ $ 398 000 00
Deductive alternate for substitution of pyrex pipe for Duriron pipe .............................................................. — 1 500 00

Physical Plant Building — Ewing Plumbing, Inc., River Forest ................................................................. 78 790 00

Heating, Piping, Refrigeration, and Automatic Temperature Control Systems (Division III) for the
Staff and Administration Offices Building — Gage Park Heating Company, Inc., Chicago.......................... 464 900 00
Classroom Complex — Frank S. Bellis, Berwyn .................................................................................................. 515 000 00
Library — William A. Pope Company, Chicago .................................................................................................. 162 000 00
Site Development — Lecture Center — P. Nacey Company, Chicago .............................................................. 617 000 00
Engineering and Sciences Laboratories — P. Nacey Company, Chicago ......................................................... 349 300 00
Physical Plant Building — P. Nacey Company, Chicago .................................................................................. 115 000 00

Ventilating and Distribution Systems for Conditioned Air (Division IV) for all projects — H. G. Prizant and Company, Chicago .................................................................................................................. 1 285 000 00

Electric Wiring (Division V) for all projects — Fischbach, Moore, and Morrissey, Inc., Chicago .................... 3 150 069 00

Base bid ........................................ $ 3 144 000 00
Additive alternate for lighting at Taylor Street Bridge ...................................................................................... 6 069 00

Laboratory Furniture (Division VI) for the Engineering and Sciences Laboratories — Metalab Equipment Company, Floss- ville, New York ........................................................................................................ 556 864 00

Landscape Work — Felix Grundstrom Landscaping Company, Niles.............................................................. 360 381 50

Base bid ........................................ $ 242 900 00
Additive alternates for providing lawn in the following areas:
North of Harrison, west of Morgan ........................................ 23 033 00
North of Harrison, east of Morgan ........................................ 5 941 00
North of Harrison, west of Halsted ...................................... 5 563 00
South of Harrison, west of Halsted .................................... 12 436 00
East of Halsted, north of Taylor ......................................... 10 502 50
East of Morgan, north of Arthington .................................. 2 544 00
North of Taylor, east of Blue Island ................................... 7 932 00
North of Taylor, west of Halsted ........................................ 5 204 00
West of Halsted, south of Taylor ....................................... 18 240 00
East of Halsted, south of Taylor ....................................... 11 354 00
Lawn in lieu of Blue Island Entrance .................................. 5 272 00
Landscaping for Morgan Street Entrance ......................... 9 460 00

Total ................................................................................................................................. $33 031 220 50

It is also recommended that an agreement be executed with the Gust K. Newberg Construction Company, Chicago, for the assignment to this Company of all contracts other than the general contract and the
contract for landscaping at a fee of $150,000, which is the amount bid by that Company for a service charge for supervision of other contracts assigned to the general contractor. This will make the total contract with the Gust K. Newberg Construction Company $32,670,839.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, subject to release by the Governor.

Copies of the foregoing recommendation were distributed to the Trustees at the meeting with a supporting report from the Physical Plant Department, including a summary of bids received, a copy of which was filed with the Secretary of the Board for record.

The President of the University stated that he concurs in these recommendations.

At the conclusion of this presentation, representatives of some of the bidders requested, and were granted permission by the Board in each case, to ask questions and to present statements. Representatives of the following firms were heard:

P. Nacey Company, Chicago, with respect to awarding this Company all contracts in Division III;

Corbetta Construction Company, Inc., New York, with respect to the contract for Division I (general work on the Site Development — Lecture Center);

Modine Manufacturing Company, a subcontractor, with respect to supplying equipment for Division III.

Replies to the questions raised were made by Director Havens and Mr. Richard Kreutz of the firm of Skidmore, Owings and Merrill, Architects and Engineers, Chicago.

On May 16, the day following the Board of Trustees meeting, a telegram was received from a representative of the George A. Fuller Company, Chicago and New York, with respect to that Company's bid for the general work for the Staff and Administration Offices Building. A copy of that telegram and the reply has been filed with the Secretary of the Board for record.

Copies of correspondence, subsequent to the Board of Trustees meeting, concerning the questions raised by the representatives of the Modine Manufacturing Company and the representatives of the Corbetta Construction Company, Inc., have also been filed with the Secretary for record.

At the conclusion of the discussion of the questions raised, on motion of Mr. Johnston, the recommendations for the awards of the contracts as presented were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Governor Kerner, Mr. Page.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President
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The June meeting of the Board of Trustees of the University of Illinois was held in the Pere Marquette Hotel, Peoria, Illinois, on Wednesday, June 19, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson, Mr. Earl M. Hughes, Governor Otto Kerner, and Mr. Ray Page were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretscher, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. R. R. Manchester, Treasurer, and Mr. A. J. Janata, Secretary. Professor Charles H. Bowman of the College of Law was present for a part of the meeting.
MINUTES APPROVED

The Secretary presented the minutes of the meetings of the Board of Trustees on September 19, October 17, and November 9, 1962, press proof copies of which have previously been sent to the Board.

On motion of Mr. Johnston, these minutes were approved as printed on pages 49 to 261, inclusive.

REPORT OF EXECUTIVE COMMITTEE ON CHANGE IN CONTRACT FOR CONSTRUCTION OF CONGRESS CIRCLE

The Secretary presented the following report:

On recommendation of the Director of the Physical Plant and with the concurrence of the President of the University, the Executive Committee has authorized an increase of $56,000 in the contract with Gust K. Newberg Construction Company, General Contractors, Chicago, for the construction of buildings at Congress Circle to include removal of buildings I, II, III, IV, and V of parcel No. 13-216 which are part of the Hull House group. The contractor is willing to undertake this additional work to expedite construction and has submitted a quotation under the same conditions on which bids were received by the Department of Urban Renewal. It is not practicable for the Department to attempt to demolish these buildings within the period of time available without serious danger of delay to the University's construction program and also because of the possibility of complications arising between the University's contractor and the City's demolition contractor working in the same area. The City will reimburse the University for this work.

THE EXECUTIVE COMMITTEE

MR. WAYNE A. JOHNSTON
MRS. FRANCES B. WATKINS
MR. HOWARD W. CLEMENT

On motion of Mrs. Watkins, the action of the Committee was confirmed.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
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<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHUR ROBERT BETZ</td>
<td>St. Louis, Missouri</td>
<td>Missouri</td>
</tr>
<tr>
<td>JOHN MICHAEL CONNOLLY</td>
<td>Chicago, Illinois</td>
<td>District of Columbia</td>
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<tr>
<td>WENDELL H. FINKBEINER</td>
<td>Mt. Prospect, Illinois</td>
<td>Michigan</td>
</tr>
<tr>
<td>THOMAS ALBAN JONES</td>
<td>Western Springs, Illinois</td>
<td>North Carolina</td>
</tr>
<tr>
<td>RAYMOND FRANCES KIEWIT</td>
<td>Brookfield, Wisconsin</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>HERBERT G. SIEPERT</td>
<td>St. Louis, Missouri</td>
<td>Missouri</td>
</tr>
<tr>
<td>RALPH WILLIAM SIMON</td>
<td>Metropolis, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>ALLAN WEHRMEYER</td>
<td>Beloit, Wisconsin</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>WALTER JOSEPH ZIMBRICH</td>
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On motion of Mr. Johnston, these certificates were awarded.
APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. DAVID C. BAUM, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of $10,500.

2. GORDON A. BAYM, Visiting Research Assistant Professor of Physics, for the academic year 1963-64, at a salary of $8,100.

3. WILLIAM E. BELL, Assistant Professor of Marketing, beginning September 1, 1963, at an annual salary of $9,000.

4. NORMAN BLACKBURN, Visiting Associate Professor of Mathematics, for three months from June 16, 1963, at a salary of $3,802.

5. VLASTIMIL P. BORECKY, Visiting Professor of General Engineering, beginning September 1, 1963, at an annual salary of $10,000.

6. HAROLD F. BREIMYER, Visiting Research Professor of Economics and of Agricultural Economics, for one year from July 1, 1963, at a salary of $16,000.

7. MAYNARD J. BRICHFORD, University Archivist in the Library, with rank of Associate Professor, beginning September 1, 1963, at an annual salary of $11,000.

8. IRVING CANTER, Associate Professor in the Jane Addams Graduate School of Social Work, for one month from August 1, 1963, at a salary of $1,222, and beginning September 1, 1963, at an annual salary of $11,000.

9. JOHN W. CHRISTIAN, Visiting Professor in the Department of Mining, Metallurgy, and Petroleum Engineering, for one month from June 16, 1963, at a salary of $1,800.

10. GODWIN C. CHU, Research Assistant Professor in the Institute of Communications Research and Assistant Professor of Journalism, beginning September 1, 1963, at an annual salary of $7,200.

11. CLARK EDWARD CUNNINGHAM, Visiting Assistant Professor of Anthropology, for the academic year 1963-64, at a salary of $7,000.

12. RICHARD DAVENPORT, Assistant Professor of Zoology, beginning September 1, 1963, at an annual salary of $8,500.

13. NICOLAO A. ECONOMOU, Visiting Associate Professor of Physics, beginning September 1, 1963, at an annual salary of $10,400.

14. L. ETHAN ELLIS, Visiting Professor of History, for the first semester of 1963-64, at a salary of $7,500.

15. ROBERT N. FARVOLDEN, Assistant Professor of Geology, beginning February 1, 1964, at an annual salary of $9,100.

16. VINCENZO FERRARO, George A. Miller Visiting Professor of Astronomy and of Electrical Engineering, for five months from September 1, 1963, at a salary of $6,500.

17. ALBERT P. FOULKES, Assistant Professor of German, beginning September 1, 1963, at an annual salary of $7,000.

18. HYMAN GABAI, Assistant Professor of Mathematics and of Education, University High School, for three months from June 1, 1963, at a salary of $4,273, and beginning September 1, 1963, at an annual salary of $13,000.

19. WILLIAM LEO GAMBLE, Assistant Professor of Civil Engineering, beginning September 1, 1963, at an annual salary of $8,000.

20. HARRY HAILE, Associate Professor of German, beginning September 1, 1963, at an annual salary of $9,500.

21. ROBERT LOUIS HASS, Assistant Professor of Hygiene and Dentist in the Health Service, beginning September 1, 1963, at an annual salary of $12,000.

22. ALOIS R. HASTREITER, Assistant Professor of Pediatrics, beginning July 1, 1963, on one-half time, at an annual salary of $6,000.

23. PETER H. HAY, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of $11,000.

24. CLAUDE A. HENDRIX, Jr., Assistant Professor of Hygiene, Staff Physician in Health Center and McKinley Hospital, in the Health Service, beginning September 1, 1963, at an annual salary of $15,000.

25. BERTRAM HUPPERT, Visiting Professor of Mathematics, for the academic year 1963-64, at a salary of $14,000.

26. SURESH C. JAIN, Visiting Research Professor of Physics, for two months from June 7, 1963, at a salary of $3,200.
27. HARRY M. JOHNSON, Visiting Professor of Sociology, for the academic year 1963-64, at a salary of $12,000.
28. MILDRED SPITLER JOHNSON, Consultant in the Jane Addams Graduate School of Social Work, with rank of Assistant Professor, beginning April 1, 1963, on one-half time, at an annual salary of $5,000.
29. KARL KAIFER, Visiting Professor of Accountancy, for the academic year 1963-64, at a salary of $12,000.
30. HARRY D. KRAUSE, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of $10,500.
31. JOHN W. KRONIK, Assistant Professor of Spanish, Italian, and Portuguese, beginning September 1, 1963, at an annual salary of $8,500.
32. RICHARD FRANCIS KUSEL, Assistant Professor of History, beginning September 1, 1963, at an annual salary of $7,500.
33. CHARLOTTE L. LAMBERT, Associate Professor of Physical Education for Women, beginning September 1, 1963, at an annual salary of $10,100.
34. DONALD ALFRED MARKWALDER, Assistant Professor of Economics, beginning September 1, 1963, at an annual salary of $9,000.
35. HUGH MCLEAN, Visiting Professor of Russian, for the first semester of the academic year 1963-64, at a salary of $4,500.
36. DUANE METZGER, Assistant Professor of Anthropology, for four and one-half months from September 16, 1963, at a salary of $4,100.
37. ROBERT A. MILLER, Associate Professor of Pediatrics, College of Medicine, beginning July 1, 1963, at an annual salary of $9,000.
38. ROGER G. OLSTAD, Visiting Assistant Professor in the Department of Secondary and Continuing Education, for the academic year 1963-64, at a salary of $8,500.
39. CENAP ORAN, Assistant Professor of Civil Engineering, beginning September 1, 1963, at an annual salary of $7,800.
40. BETTY E. ORR, Visiting Associate Professor in the Department of Educational Psychology, College of Education, beginning September 16, 1963, at an annual salary of $9,500.
41. HAROLD H. ORVIS, Assistant Professor of Preventive Medicine, beginning September 1, 1963, at an annual salary of $18,000.
42. FRAZER G. POOLE, Professor of Library Administration and Librarian, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of $15,000.
43. MORRIS PREDSTEIN, Research Assistant Professor of Physics, beginning September 16, 1963, at an annual salary of $9,000.
44. THOMAS M. SCHEIDEL, Associate Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of $10,000.
45. HERBERT I. SCHILLER, Research Associate Professor in the Bureau of Economic and Business Research, beginning September 1, 1963, at an annual salary of $13,000.
46. RUDOLF SCHRAER, Visiting Associate Professor of Physics, beginning October 1, 1963, at an annual salary of $15,000.
47. JULIAN L. SIMON, Assistant Professor of Advertising, beginning September 1, 1963, at an annual salary of $8,200.
48. RITA J. SIMON, Associate Professor of Sociology and Research Associate Professor in the Institute of Communications Research, beginning September 1, 1963, at an annual salary of $7,200.
49. DANIEL M. SLATE, Research Associate Professor in the Bureau of Economic and Business Research, for two and one-half months from June 15, 1963, at a salary of $3,195.
50. EARL W. STARK, Assistant Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of $7,500.
51. MARIANNA TREKELL, Assistant Professor in the Department of Secondary and Continuing Education, on three-fourths time, and in the Department of Physical Education for Men, on one-fourth time, beginning September 1, 1963, at an annual salary of $8,200.
52. PRISCILLA TYLEY, Associate Professor of English and Counselor in Teacher Education, beginning September 1, 1963, at an annual salary of $10,200.
53. CONSTANTIN D. USZYNSKI, Assistant Professor of Russian, beginning September 1, 1963, at an annual salary of $7,300.
SHIGUEO WATANABE, Visiting Assistant Professor of Physics, for the academic year 1963-64, on one-third time, at a salary of $3,000.

JOSEPH W. WENZEL, Assistant Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of $7,800.

DUANE H. WHITTIER, Visiting Assistant Professor of Philosophy, for the academic year 1963-64, at a salary of $8,000.

BRIAN F. WILKIE, Assistant Professor of English, beginning September 1, 1963, at an annual salary of $7,500.

MARTIN L. ZEICLER, Assistant Provost and Director of Institutional Studies, with rank of Associate Professor, in the Office of the Executive Vice-President and Provost, beginning July 1, 1963, at an annual salary of $18,500.

On motion of Mr. Dilliard, these appointments were confirmed.

DEPARTMENT OF FOOD TECHNOLOGY

The Department of Food Technology, the Executive Committee, and the Dean of the College of Agriculture recommend a change in the name of the Department to Department of Food Science. This change will apply only to the name of the Department and will not change the curricula, courses, or degrees. Food Technology courses will become Food Science courses and the degrees granted will be in Food Science instead of Food Technology.

I concur.

On motion of Mr. Williamson, this recommendation was approved.

HOSPITAL-MEDICAL SERVICE PLAN.

Based on a recent survey of the academic staff by the Chicago Undergraduate Senate Committee on Retirement, Hospitalization, and Insurance, this Committee recommended to the Chicago Undergraduate Division Senate that the Blue Cross-Blue Shield program be discontinued and that the University of Illinois Hospital and Medical Service Plan be adopted effective October 1, 1963. The Chicago Undergraduate Division Senate approved this recommendation at their meeting on April 9, 1963.

The Nonacademic Employees Council of the Chicago Undergraduate Division also approved the adoption of the University of Illinois Hospital and Medical Insurance Plan. This approval was based upon the results of a questionnaire sent to all nonacademic employees by the Nonacademic Employees Council under date of April 23, 1963.

The Vice-President in charge of the Undergraduate Division and the Vice-President and Comptroller concur in recommending adoption of the University of Illinois Hospital and Medical Service Plan at the Chicago Undergraduate Division effective October 1, 1963.

On motion of Mr. Swain, this recommendation was approved.

WORKING CASH FUNDS, CHICAGO DIVISIONS

The Board of Trustees has authorized a working cash fund for the University of Illinois at the Medical Center, Chicago, and petty cash funds for the Medical Center and for the Chicago Undergraduate Division. The working cash fund is used for processing vouchers drawn on state appropriations in cases when there is inadequate time to follow the normal procedures of payment through the State Auditor. Reimbursements of expenditures made from the working cash fund are by vouchers processed against state appropriations.

Petty cash funds are used for the establishment of small cash funds in departments, advances to staff traveling on University business, and payment of salaries which are due but which, because of state processing schedules, were not included on regular payrolls. For the latter, reimbursement of the petty cash fund is secured through processing routine payrolls.

It has been found that the amount allocated for working cash funds in Chicago has been greater than that needed and that petty cash funds have been inadequate. The Vice-President and Comptroller recommends the following changes in these fund authorizations:
The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

**Appropriations for Nonrecurring Expenditures**

(6) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds:

**Urbana-Champaign**

1. **Health Service**
   - McKinley Hospital, overbed tables and wall closets: $5,852

2. **College of Liberal Arts and Sciences**
   - Department of Chemistry and Chemical Engineering, equipment: $5,146
   - Department of Physiology and Biophysics, equipment (to match a grant from the National Science Foundation): $25,707
   - Department of Psychology, equipment (to match a grant from the National Science Foundation): $24,980
   - Department of Chemistry and Chemical Engineering, equipment (to match a grant from the National Science Foundation): $25,000

3. **Physical Plant Department**
   - Remodeling rifle range and office space in Armory: $17,680
   - Remodeling building at 807 South Lincoln Avenue for College of Veterinary Medicine: $5,115
   - Remodeling in Animal Sciences Laboratory for Department of Dairy Science: $4,385
   - Remodeling paleontological laboratory of Department of Geology: $11,200
   - Air conditioning, and moving of houses at 606 and 606½ South Mathews Avenue to 1205 West Nevada Street to provide additional land for construction of East Chemistry Building: $59,000
   - Remodeling in Horticulture Field Laboratory for Departments of Plant Pathology and Horticulture: $23,310
   - Electrical service for window air conditioners in David Kinley Hall: $18,480
   - Remodeling and air conditioning to convert Woodshop into research space for Department of Civil Engineering: $47,740
   - Renovation of ventilation system in Chemistry Annex laboratories for Department of Chemistry and Chemical Engineering (this assignment is in addition to $16,900 presently available): $28,510

   **Total**: $322,485

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**Assignment of Funds by Athletic Association**

(7) The Board of Directors of the Athletic Association has approved an assignment of $5,000 to supplement the contribution of the Athletic Association to the Grants-in-Aid Fund of the University of Illinois Foundation for athletic grants.

Confirmation of this action is requested.

On motion of Mr. Pogue, this action was confirmed.

**Contracts for Minor Building Alterations and Repairs**

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of cost-plus contracts with the following contractors.
for minor building alterations, repairs, and construction work for the period July 1, 1963, through June 30, 1964.

General—Clarence H. Siems, doing business as Clarence H. Siems Company, Urbana

Electrical—Brunkow Electric Company, Champaign

Plumbing—W. H. and W. C. Thomas, a partnership doing business as Thomas Plumbing and Heating Company, Urbana

Heating and Ventilating—R. H. Bishop Company, Champaign

These contracts are for work which does not justify the cost of preparing separate drawings and specifications and of separate bidding procedures on each project. The several contractors bid on percentages to be added to actual material, labor, and subcontract costs, depending in many cases on the size of the particular division of work with specified limits of four ranges.

Work will be done as ordered by the Physical Plant Department and will be paid for on the basis of the actual cost of each job plus contractors' fees. A schedule of bids taken showing the percentages to be added for work to be executed under these cost-plus contracts is submitted herewith, and a copy of the schedule is being filed with the Secretary of the Board for record as the basis for the contract awards recommended. No assignment of funds is requested and each job will be covered by a contract change order charged against funds allocated for the project.

It is further recommended that the Vice-President and Comptroller be authorized to approve orders under these contracts up to $25,000 on each project provided that any orders exceeding this amount shall be submitted to the Board of Trustees for approval in advance, in accordance with previous practice and authorization.

I concur.

On motion of Mrs. Watkins, these contracts were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

CONTRACT FOR PLASTERING, PLASTER PATCHING AND REPAIRS, AND ACOUSTICAL WORK

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a cost-plus contract to George S. Grimmett, doing business as George S. Grimmett and Company, Springfield, the lowest bidder, for plastering, plaster patching and repairs, and acoustical work during the fiscal year ending June 30, 1964, on the basis of a contractor's fee of 13.9 per cent of all actual job costs as determined by itemized billing.

I concur.

On motion of Mr. Johnston, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

CONTRACT FOR CONSTRUCTION OF DAIRY HERDSMAN'S COTTAGE ADDITION

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $7,081 to C. P. Bauman and Son, Champaign, the lowest bidder, for construction of an addition to, and minor remodeling in, the Dairy Herdsman's Cottage on the South Lincoln Avenue Farm. Dairy Science Department funds are available for this improvement.

I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.
**(CONTRACTS FOR CONSTRUCTION OF VETERINARY MEDICINE RESEARCH ANNEX ADDITION)**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of an addition to the Veterinary Medicine Research Annex, the award in each case to the lowest bidder:

<table>
<thead>
<tr>
<th>Contractor</th>
<th>Description</th>
<th>Bid Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong> - Pathman Construction Co., Chicago</td>
<td>Base bid</td>
<td>$186,981</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for revisions on the first floor</td>
<td>$2,700</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for assignment of other contracts</td>
<td>$4,600</td>
</tr>
<tr>
<td><strong>Laboratory Furniture</strong> - Laboratory Furniture Company, Inc., Mineola, New York</td>
<td>Base bid</td>
<td>$18,171</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for revisions in installation in Room 6a</td>
<td>$1,481</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for installation of aluminum distilled water valves</td>
<td>$120</td>
</tr>
<tr>
<td><strong>Dumbwaiter</strong> - Otis Elevator Company, Chicago</td>
<td></td>
<td>$5,913</td>
</tr>
<tr>
<td><strong>Electrical</strong> - G. L. Wilskey, an individual doing business as Downtown Electric, Urbana</td>
<td>Base bid</td>
<td>$19,025</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for revisions in the first floor</td>
<td>$320</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for work on monorail system</td>
<td>$110</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for installation of electrical outlets for laboratory furniture in Room 6a</td>
<td>$50</td>
</tr>
<tr>
<td><strong>Plumbing</strong> - Healy Plumbing and Heating Company, St. Paul, Minnesota</td>
<td>Base bid</td>
<td>$17,900</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for revisions in the first floor</td>
<td>$561</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for distilled water still</td>
<td>$1,249</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for distilled water piping to laboratory furniture on the second floor</td>
<td>$876</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for connection of laboratory service fixtures in the additional laboratory furniture in Room 6a</td>
<td>$287</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for distilled water piping to Room 6a</td>
<td>$136</td>
</tr>
<tr>
<td><strong>Heating, Piping, and Refrigeration</strong> - R. H. Bishop Company, Champaign</td>
<td>Base bid</td>
<td>$43,700</td>
</tr>
<tr>
<td></td>
<td>Additive alternate for installation of distilled water still</td>
<td>$753</td>
</tr>
<tr>
<td><strong>Ventilating and Sheet Metal Work</strong> - Petry Roofing and Sheet Metal Company, Champaign</td>
<td></td>
<td>$27,237</td>
</tr>
</tbody>
</table>

**Total** | $332,170 |

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract $332,170, and it is further recommended that an agreement be entered into with Pathman Construction Co., Chicago, for the assignment of these other contracts for $4,600, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from a grant to the University from the National Institutes of Health, state capital appropriations to the University for 1961-63 from the Universities Building Fund, which have been released, and from indirect costs on government contracts for research related to this project.

Submitted herewith is a report from the Physical Plant Department, including a summary of bids received, a copy of which is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.
CONTRACTS FOR CONSTRUCTION OF REHABILITATION CENTER

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of the first phase of the Rehabilitation Center Building to be erected at the northwest corner of Stadium Drive and Oak Street, Champaign, the award in each case being to the lowest bidder:


   Base bid ................................. $496,247
   Additive alternate for assignment of other contracts.................. 14,000
   Additive alternate for extension of basement under unexcavated areas .... 19,883
   Deductive alternate for substituting painting for vinyl covering on wall surfaces .... 4,100

Electrical — Square Deal Electrical Contracting, Inc., Urbana .................. 72,035

   Base bid ................................. $71,000
   Additive alternate for extension of basement under unexcavated areas .... 1,035

Plumbing — David William Reichard and David Warren Reichard, a partnership doing business as David W. Reichard Plumbing and Heating, Urbana .................. 77,800

   Base bid ................................. $76,000
   Additive alternate for extension of basement under unexcavated areas .... 1,177

Heating — Healy Plumbing and Heating Company, St. Paul, Minnesota 99,412

   Base bid ................................. $98,235
   Additive alternate for extension of basement under unexcavated areas .... 1,177

Ventilating — R. H. Bishop Company, Champaign .............................. 81,136

   Base bid ................................. $75,800
   Additive alternate for extension of basement under unexcavated areas .... 5,336

Total ........................................................................ $856,413

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract $856,413 and it is further recommended that an agreement be entered into with A. F. Krall Construction Company, Inc., Decatur, for the assignment of these other contracts for $14,000, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

If the foregoing recommendations are approved, the Director of the Physical Plant and the Vice-President and Comptroller also recommend an increase of $3,456 in the contract with A. F. Krall Construction Company, Inc., Decatur, for the purchase and installation of lockers for dressing rooms. This change in the contract was negotiated after the receipt of bids; one-third of the cost of this installation will be paid from a federal grant for the project.

Funds are available in a grant from the United States Public Health Service (Public Health Service III. 164), from private donations, and in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur in the foregoing recommendations, subject to final approval of the federal grant by the United States Public Health Service.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, and the increase in the general contract was authorized, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

CONTRACT FOR CONSTRUCTION OF MATERIALS RESEARCH LABORATORY. PHASE I

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $167,163 to the Pathman Construction Company, Inc., Decatur, for the construction of the Materials Research Laboratory, Phase I.
Co., Chicago, the lowest bidder, for Phase I construction of the Materials Research Laboratory. Phase I will consist of sheet piling the sides of the Boneyard Creek through the site and the provision of additional supporting piles for and the construction of slabs over the Boneyard to support a three-story connecting link between the Materials Research Laboratory and the present Physics Building. The contract will also include construction of a paved delivery and service area over another part of the Boneyard Creek.

Initiating Phase I at this time will meet the construction time schedule proposed in the prospectus submitted to the Advanced Research Projects Agency (ARPA) and the United States Atomic Energy Commission, which agencies will participate in amortizing the costs of the laboratory. Construction on Phase II is tentatively scheduled to start in October, 1963.

The Board has approved a proposal to the Illinois Building Authority to finance construction of the Materials Research Laboratory, but in the event that this first phase of the project can not be so financed, funds will be available from the state capital appropriations to the University for 1963-65 subject to release, or from indirect costs received from materials research contracts. I concur and recommend that $210,000 from undistributed indirect costs derived from Materials Research Laboratory contracts be reserved to finance the construction of Phase I, as needed. The difference between this figure and the Pathman contract is to cover other construction costs.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dillard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

CONTRACTS FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM, URBANA

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts, subject to availability of funds, for extensions of the utilities distribution system for additional services to the Materials Research Laboratory, the Electrical Engineering Building, the Education Building, and the Illinois Street Residence Halls, the award in each case being to the lowest bidder:

Steam Tunnel to Materials Research Laboratory

Underground Steam Tunnel Extension — Dean Evans Company, Champaign

Tunnel Piping Work for Extension of Steam Service — The J. A. Julian Company, Chicago

<table>
<thead>
<tr>
<th>Description</th>
<th>Awarded To</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base bid which included only a 12-inch low-pressure steam main and a 4-inch condensate main, the bare minimum for steam service.</td>
<td>Dean Evans Company</td>
<td>$77,940</td>
</tr>
<tr>
<td>Additive alternate (A) for the addition of a 6-inch high-pressure steam main.</td>
<td></td>
<td>$9,988</td>
</tr>
<tr>
<td>Additive alternate (B) for the addition of an 8-inch utility pressure steam main</td>
<td></td>
<td>$11,910</td>
</tr>
<tr>
<td>Additive alternate (C) for a 4-inch high-pressure underground steam conduit connecting tunnel steam to an existing high-pressure main at the Mining and Metallurgy Laboratory to enable high-pressure steam service from two directions.</td>
<td></td>
<td>$12,892</td>
</tr>
<tr>
<td>Additive alternate (D) for the addition of an 8-inch low-pressure underground steam conduit connecting tunnel steam to an existing low-pressure main at the Mining and Metallurgy Laboratory to enable low pressure steam service from two directions.</td>
<td></td>
<td>$19,648</td>
</tr>
<tr>
<td>Thermal Insulation for Piping System for Steam Service — Sprinkmann Sons Corporation of Illinois</td>
<td></td>
<td>$17,254</td>
</tr>
<tr>
<td>Base bid</td>
<td></td>
<td>$10,622</td>
</tr>
<tr>
<td>Additive alternates for thermal insulation for the piping to be installed under alternates included in the tunnel piping work:</td>
<td></td>
<td>$3,105</td>
</tr>
</tbody>
</table>
Electrical Work for Extension of Steam and Electric Service — Kuhne-Simmons Company, Inc., Champaign

Total, Materials Research Laboratory $328,011

Extension of Steam Service to Electrical Engineering Building for Air Conditioning

Underground Steam Piping Work — Robert Gordon, Inc., Chicago...
Base bid $46,798
Additive alternate for compact layers of clay topped with eight inches of top soil to prevent drowning out of clays above the steam main 2,000

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Additions to Underground Facilities for Education Building

Storm Sewer — George S. Walker Plumbing and Heating, Inc., Decatur...
Base bid $8,290
Additive alternate for the construction of a 12-inch storm sewer to be diverted around present building construction 8,100

Water Mains — Cross Construction, Inc., Urbana...
Total, Education Building $20,026

Funds are available in the construction budget and have been released.

Additions to Underground Facilities for the Illinois Street Residence Halls

Sanitary and Storm Sewers — Elton A. Wagner Company, Danville $53,200
Water — George S. Walker Plumbing and Heating, Inc., Decatur...
Base bid providing for the extension of an 8-inch main with fire hydrants on the south side of Green Street from the Student-Staff Apartments east to the west side of Gregory Place and a 12-inch main on the west side of Goodwin Avenue from Green Street south to Illinois Street and an 8-inch main from the intersection of Illinois Street and Goodwin Avenue east to Gregory Place...
Additive alternate for the substitution of ductile iron pipe for the 12-inch main in place of cast iron pipe 1,150
Additive alternate for the provision of an additional extension of the 8-inch water main under the existing steam tunnel in Goodwin Avenue if it is determined during construction that there is not sufficient clearance to go over the steam tunnel...

Underground Steam Tunnel and Electrical Ductruns — Oran L. Shoemaker and Company, Champaign...
Piping System for Steam Services — George S. Walker Plumbing and Heating, Inc., Decatur...
Base bid $52,870
Additive alternate for the installation of an 8-inch utility pressure steam main which can be used as either a low-pressure or high-pressure steam main and which will operate normally as a low-pressure steam main to reduce the pressure drop in the low-pressure steam system...

Thermal Insulation for Piping for Steam Services — Sprinkmann Sons Corporation of Illinois, Peoria...
Base bid...
Additive alternate for thermal insulation for additional 8-inch utility pressure steam main 6,937
BOARD OF TRUSTEES

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Electrical Work for Steam and Electric Service — Kuhne-Simmons Company, Inc., Champaign........................................ 11,660

Total, Illinois Street Residence Halls........................................ $295,641

Funds for the additional utilities distribution system servicing the Illinois Street Residence Halls have been requested in the 1963-65 capital appropriation to the University. In the event funds are not made available and released, a subsequent recommendation will be submitted to the Board on the funding of these projects.

Attached are reports from the Physical Plant Department of these projects, including schedules of bids received, copies of which are being filed with the Secretary of the Board.

I concur in the above recommendations.

On motion of Mr. Williamson, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

CONTRACTS FOR REMODELING RESEARCH AND EDUCATIONAL HOSPITALS

The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the remodeling of the surgery areas on the fourth floor of the Research and Educational Hospitals, the award in each case being to the lowest bidder:

General — Mutual Contracting Company, Chicago........................................ $103,153

Base bid ................................................................. $100,919

Additive alternate for service charge for supervision of other contracts assigned to this contractor ........................................ 2,234

Plumbing — Peter H. Smith Company, Chicago........................................ 10,666

Heating — National Korectaire Company, Chicago................................. 56,738

Ventilating and Air Conditioning — Manor Sheet Metal, Inc., Skokie........ 20,445

Electrical — Fries-Walters Company, Chicago........................................ 38,497

Total................................................................. $229,499

The work will consist of the improvement of the surgical facilities on the fourth floor of the General Hospital and in the adjacent areas of the Hospitals Addition. With only six major operating rooms in the Hospitals Addition supplemented by a major and a minor operating room in the Illinois Neuropsychiatric Institute and two minor operating rooms in the General Hospital, there is a major requirement for an increase in surgical facilities. This project will provide three additional operating rooms with the necessary auxiliary facilities.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $229,499; and that an agreement be entered into with Mutual Contracting Company for the assignment of these other contracts for $2,234, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of all bids received is submitted herewith and a copy is being filed with the Secretary of the Board.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

CONTRACTS FOR REPLACEMENT OF EXISTING DUCTWORK IN MEDICAL RESEARCH LABORATORY

The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for replacement of existing ductwork in the
Virology Laboratories (Systems E2, E3, and E6) of the Medical Research Laboratory, the award in each case being to the lowest bidder:

**General** — Mutual Contracting Company, Chicago 

- Base bid: $1,867
- Additive alternate for replacement of existing ductwork in System E6: $1,832

**Ventilating** — Zack Company, Chicago 

- Base bid: $15,549
- Additive alternate for service charge for supervision of other contracts assigned to this contractor: $596
- Additive alternate for providing bypass connection between Systems E2, E3, and E6: $745
- Additive alternate for replacement of existing ductwork in System E6: $8,577

**Heating, Refrigeration, and Temperature Controls** — North Town Refrigeration Corporation, Chicago 

- Base bid: $1,600
- Additive alternate for providing bypass connection between Systems E2, E3, and E6: $4,000
- Additive alternate for replacement of existing ductwork in System E6: $1,535

Total: $27,457

The work will consist of replacing the ductwork on three exhaust systems from three Virology Laboratory rooms to their respective air incinerators. The new ductwork will be of stainless steel and airtight construction. The improvement will prevent the escape of disease bacteria contagious to humans and permit chemical sterilization of the exhaust systems.

It is further recommended that all contracts other than the contract for ventilation work be assigned to the contractor for that work, making the total of his contract price $27,457; and that an agreement be entered into with the Zack Company for the assignment of these other contracts for $596, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the contractor for the ventilation work.

Funds for this work are available from a Board appropriation, Medical Research Laboratory, Replacement of Ducts.

A schedule of all bids received is submitted herewith and a copy is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**Contracts for Construction of Heating Plant at Congress Circle**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of the Heating Plant at the Congress Circle campus, the award in each case being to the lowest bidder:

**General** (Division I) — Ragnar Benson, Inc., Chicago 

- Base bid: $969,963
- Additive alternate for assignment of plumbing work and ventilating and air-conditioning systems: $2,500
- Deductive alternate for changing basement walls and floor in base bid from construction designed to withstand water pressure to regular construction and added drainage to relieve water pressure: $16,110
Board of Trustees

Plumbing (Division II) — O’Callaghan Bros., Inc., Chicago............. 23,980
Piping, Miscellaneous Equipment, Thermal Insulation (Division III) —
S. J. Reynolds Company, Inc., Cicero................................. 497,675
Ventilating and Air-Conditioning Systems (Division IV) — Zack Com-
pany, Chicago ....... ........................................ 17,500
Electrical (Division V) — Fischbach, Moore, and Morrissey, Inc., Chi-
icago ...... .................................................................. 143,300
Total ............................................................................. $1,638,808

It is also recommended that the plumbing contract and the ventilating and air-
conditioning systems contract be assigned to the contractor for general work,
making the total of his contract $997,833; and it is further recommended that an
agreement be entered into with Ragnar Benson, Inc., Chicago, for the assign-
ment of these other contracts for $2,500, which amount is included in the contract price,
being the amount bid by the Company for service charge for supervision of other
contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for
1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a supporting report from the Physical Plant Depart-
ment, including schedules of all bids received, a copy of which is being filed with
the Secretary of the Board.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recom-
mended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr.
Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no,
none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

CONGRESS CIRCLE UNION BONDS

(18) Five bids were received at 11:00 a.m. June 18, 1963, in the Illini Center,
LaSalle Hotel, Chicago, for the sale of $6,800,000 of Congress Circle Union Bonds
of 1963, Series A. Bids were received at the same time for certain maturities of
$4,000,000 Congress Circle Union Bonds of 1963, Series B, to finance construction
of the Congress Circle Union Building and parking lots.

The Vice-President and Comptroller recommends that the Series A bonds be
sold to White, Weld, and Company and associates, Chicago, at a price of $6,759,326,
plus accrued interest and at an effective interest rate of 3.50423 per cent; that
$2,780,000 of Series B bonds maturing in 1969 through 1988 be sold to Halsey,
Stuart, and Company, Inc., and associates at a price of $2,780,695, plus accrued
interest and at an effective interest rate of 3.48892 per cent. These bids represent
the lowest interest cost to the University.

A schedule of all bids received, a copy of which is being filed with the Sec-
retary of the Board for record, is presented.

The Vice-President and Comptroller presents a Loan Agreement [Contract
No. H(402)-868] with the Federal Housing and Home Finance Agency and
recommends that he be authorized to execute it. In accordance with the provisions
of the Loan Agreement, he recommends that $1,220,000 Series B bonds maturing
in 1989 through 1993 be sold to the Housing and Home Finance Agency at par and
accrued interest and at an interest rate of 3½ per cent, since no equal or more
favorable bid was received for these maturities.

The Vice-President and Comptroller also presents the Congress Circle Union
Bond Resolution authorizing $6,800,000 Congress Circle Union Bonds of 1963,
Series A, and $4,000,000 Congress Circle Union Bonds of 1963, Series B, and
recommends its adoption.

I concur in all the foregoing recommendations.

On motion of Mr. Williamson, these recommendations were ap-
proved and the Congress Circle Union Bond resolution was adopted
by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

Resolution Authorizing $10,800,000 Congress Circle Union Bonds,
Series A and B of 1963

$6,800,000 Congress Circle Union Bonds of 1963, Series A
$4,000,000 Congress Circle Union Bonds of 1963, Series B

A Resolution Authorizing and Providing for the Issuance of Revenue Bonds for the Purpose of Paying the Cost of Acquiring, Constructing, and Equipping the Congress Circle Union Building and Parking Facilities in the City of Chicago, Illinois, by the Board of Trustees of the University of Illinois, Setting Forth the Terms Under Which Such Revenue Bonds Are to Be Issued, Providing for the Rights of the Holders Thereof, and Providing for the Acquisition, Construction, and Equipment of Such Facilities, and the Management, Maintenance, Improvement, and Operation Thereof.

Whereas, The Board of Trustees of the University of Illinois on due consideration and investigation does now find and determine that it is advisable and necessary and required for the good and benefit of the University of Illinois and the best interests of its students and faculty to construct and equip a Union Building, and to construct parking facilities on the Congress Circle campus of the University. (Said Union Building and parking facilities are hereinafter sometimes called the "building," "facilities" or "Project"); and

Whereas, in order to produce the funds necessary to construct and equip said Project it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto;

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois:

ARTICLE ONE
DEFINITIONS

Unless the context otherwise requires, the terms defined in this Article One shall for all purposes of this Resolution and of any resolution supplemental hereto, have the meanings herein specified, the following definitions to be equally applicable both to the singular and plural forms of any of the terms herein defined:

The term "Authorizing Officer" shall mean the President, Secretary, Treasurer or Comptroller of the Board of Trustees, or any other person authorized by resolution of the Board of Trustees, to perform the act or sign the document in question.

The term "Board of Trustees" and the term "University" shall mean The Board of Trustees of the University of Illinois, a body corporate, created and established under the laws of the State of Illinois.

The term "Bonds" shall mean and include any and all bonds of all series, issued under this Resolution.

The term "Comptroller" shall mean the Comptroller of the University or such other person as may at the time be the acting chief fiscal officer of the University.

The terms "facilities," "Project," and "building" shall mean all facilities financed pursuant to this Resolution, the cost of which is paid in whole or in part through the issuance of Bonds.

The term "fiscal year" shall mean the twelve month accounting period established by the University for its academic operations, which currently is the period from July 1 through the following June 30.

The term "Net Income Available for Debt Service" shall mean at any date as of which the amount thereof is to be determined the sum of

(a) the net income for the preceding fiscal year of all revenue producing facilities pledged for the payment of Bonds; plus
(b) the estimated annual net income of all revenue producing facilities for the account of which Bonds have been issued and delivered but which
are under construction or for which a full fiscal year's operating experience is not available; plus
(c) the estimated annual net income of revenue producing facilities not then completed, the cost of which is to be financed through the proceeds of the sale of additional Bonds at the time proposed to be issued; plus
(d) the net income during the preceding fiscal year from investments of funds in the Congress Circle Union Bond and Interest Sinking Fund Account.

For the purpose of this definition net income shall be determined by deducting from the gross revenues or estimated gross revenues for the period in question (which revenues shall include student service charges for the use of the facilities pledged for the payment of all Bonds then outstanding and then to be issued at an amount adjusted as hereinafter provided) all operating expenses or estimated operating expenses for such period and the amounts required to be credited to the Improvement and Replacement Reserve. Also, for all purposes of this definition, student service charges shall be included in net income at an amount which is based on the reasonable estimate of anticipated student enrollment for the year for which the computation is made, that is to say that in computing Net Income Available for Debt Service for any future year, the amount of student service charges included in gross revenues shall (regardless of actual receipts for any current or preceding fiscal year) be appropriately adjusted for each such year to reflect the reasonable estimate of anticipated student enrollment for each such year but shall assume that such student service charges will remain unchanged from the then current rate per student. Other revenues and operating expenses of facilities to be constructed shall be estimated in writing by an independent consulting engineer. All computations of Net Income Available for Debt Service shall be made by the Comptroller of the University who shall certify thereto, and whose certificate shall be accompanied by a certificate signed by a nationally recognized firm of independent public accountants (which accountant's certificate may state that it is made in reliance on information supplied by the University and that they have made no independent examination of the books and records of the University in connection therewith) stating that they know of no reason why such computation is incorrect.

The term "operating expenses" shall mean and include all reasonable expenses of operation and maintenance of the facilities, including without limiting the generality of the foregoing, salaries, wages, cost of materials, supplies, insurance, light, heat, power, reasonable repairs necessary to properly maintain such facilities (including reasonable reserves therefor), taxes (if any), fees and expenses of the depository and paying agents and any expenses required to be paid pursuant to this Resolution but excluding depreciation, provisions for the Improvement and Replacement Reserve hereinafter provided, and all general administrative expenses of the University.

The term "student service charge" shall mean any student fee or portion thereof assessed against students enrolled at the Congress Circle campus of the University for the general use of the facilities (whether assessed as a separate charge or as a specific allocation of a multi-purpose fee or charge), but shall not include general student tuitions or student fees assessed for any other purpose.

The term "owner" or "holder" whenever employed herein with respect to a Bond which shall be registered as to principal or fully registered without coupons shall mean the person, firm or agency in whose name such Bond shall be registered and, whenever employed herein with respect to a coupon Bond which shall not be registered as to principal or a coupon, shall mean the bearer of such Bond or coupon.

The term "Paying Agent" shall mean the Continental Illinois National Bank and Trust Company of Chicago or its successors in the City of Chicago, Illinois, and shall also mean the Morgan Guaranty Trust Company of New York or its successors in the Borough of Manhattan and City and State of New York and shall also mean the Bank of America N.T.&S.A. in the City of San Francisco and State of California.

The term "depository" and the term "Registration Agent" shall mean the Continental Illinois National Bank and Trust Company of Chicago or its successor in the City of Chicago, Illinois.

The term "Resolution" shall mean this Resolution as originally adopted or as it may from time to time be supplemented, modified or amended by any resolution supplemental hereto, pursuant to the provisions hereof.
ARTICLE TWO

AUTHORIZATION, DESIGNATION, FORM, EXECUTION, 
EXCHANGE AND REGISTRATION OF BONDS

SECTION 2.01. Limitation of Issue and Equality of Bonds. This resolution shall constitute a continuing agreement to secure the full and final payment in the manner herein provided for the principal and interest on all Bonds which may from time to time be delivered and issued hereunder. The aggregate principal amount of Bonds which may be so delivered and issued hereunder is not limited except as restricted by law or by the provisions hereof. All Bonds at any time issued and outstanding hereunder, regardless of series, shall be equally and ratably secured hereby without preference, priority or distinction.

SECTION 2.02. Project and Purpose of Initial Issue of Bonds. The initial project (hereinafter called the “Project”) to be acquired, constructed, equipped and completed hereunder is described in a general way as:

1. The Congress Circle Union, consisting of a four-story building and a ten-story building with a connecting link at the three lower floors and located west of Halsted Street near Polk Street in the City of Chicago, Illinois; and

2. Parking lots for approximately 2,400 cars.

The estimated cost of said Project is $13,460,000, including land, and the estimated cost of each portion of said Project is more fully set forth in the plans and specifications thereon file with the University Architect.

It is hereby determined that in order to produce the funds necessary to construct and equip the Project, that the University borrow the sum of Ten Million Eight Hundred Thousand Dollars ($10,800,000) and in evidence thereof to issue its Congress Circle Union Bonds hereunder in said principal amount. It is hereby determined that the cost of the project in excess of the amount to be borrowed can be provided from appropriations made by the General Assembly of the State of Illinois for the construction of buildings on the Congress Circle Campus of the University.

SECTION 2.03. Terms of Series A and B of 1963 Bonds. The Bonds to be initially issued hereunder shall be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Ten Million Eight Hundred Thousand Dollars ($10,800,000) at any one time outstanding. Six Million Eight Hundred Thousand Dollars ($6,800,000) of which shall be designated “The Board of Trustees of the University of Illinois Congress Circle Union Bonds of 1963, Series A” (hereinafter called “1963 Series A Bonds”) and the remaining Four Million Dollars ($4,000,000) principal amount thereof shall be designated “The Board of Trustees of the University of Illinois Congress Circle Union Bonds of 1963, Series B” (hereinafter called “1963 Series B Bonds”).

The Series A Bonds and the Series B Bonds shall be issued as negotiable coupon bonds dated April 1, 1963, registrable as to principal in the denominations of $5,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to October 1, 1963, in which case they shall be dated April 1, 1963. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons shall be numbered in such manner as may be designated by the Comptroller and shall be issued in denominations of $5,000 or multiples thereof. Bonds shall bear interest from April 1, 1963, payable semi-annually on the first days of April and October in each year until paid, commencing October 1, 1963, at the rates provided below and shall mature in the following amounts on October 1, of the following years:

<table>
<thead>
<tr>
<th>Maturity Dates</th>
<th>Series A Bonds</th>
<th>Series B Bonds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Principal Amount</td>
<td>Interest Rate</td>
</tr>
<tr>
<td>1969</td>
<td>$80,000</td>
<td>5%</td>
</tr>
<tr>
<td>1970</td>
<td>$90,000</td>
<td>5%</td>
</tr>
<tr>
<td>1971</td>
<td>$100,000</td>
<td>5%</td>
</tr>
<tr>
<td>1972</td>
<td>$110,000</td>
<td>5%</td>
</tr>
<tr>
<td>1973</td>
<td>$160,000</td>
<td>5%</td>
</tr>
</tbody>
</table>
The 1963 Series A and B Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to April 1, 1971, solely from surplus monies in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 has been fully established and all provisions of Section 5.02 have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

**Period of Redemption**  
**Applicable Premium**

<table>
<thead>
<tr>
<th>Period of Redemption</th>
<th>Applicable Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1, 1971 through October 1, 1972</td>
<td>3%</td>
</tr>
<tr>
<td>April 1, 1973 through October 1, 1977</td>
<td>2%</td>
</tr>
<tr>
<td>April 1, 1978 through October 1, 1982</td>
<td>1%</td>
</tr>
<tr>
<td>April 1, 1983 and thereafter without premium</td>
<td></td>
</tr>
</tbody>
</table>

The 1963 Series A and B Bonds shall also be redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

**Period of Redemption**  
**Applicable Premium**

<table>
<thead>
<tr>
<th>Period of Redemption</th>
<th>Applicable Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1, 1973 through October 1, 1977</td>
<td>3%</td>
</tr>
<tr>
<td>April 1, 1978 through October 1, 1982</td>
<td>2%</td>
</tr>
<tr>
<td>April 1, 1983 through October 1, 1987</td>
<td>1%</td>
</tr>
<tr>
<td>April 1, 1988 and thereafter without premium</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 2.04. Payment of Principal and Interest.** Both the principal of and the interest on the 1963 Series A and B Bonds shall be payable in any coin or currency which on the respective date of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

**SECTION 2.05. Form of Bonds.** The definitive coupon 1963 Series A and B Bonds, the interest coupons to be attached thereto, the form of fully registered
1963 Series A and B Bonds without coupons, the form of registration endorsement to appear on all coupon Bonds, the form of principal payment record and the form of assignment to appear on all fully registered Bonds shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in number, amount, interest rate, maturity and like matters:

(Form of Coupon Bond)

UNITED STATES-OF AMERICA
STATE OF ILLINOIS
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
CONGRESS CIRCLE UNION BOND
Series .......... of 1963

Number.......................... $5,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Congress Circle Union Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of FIVE THOUSAND DOLLARS ($5,000), on October 1, 19........, and to pay interest on said sum from the date hereof until paid at the rate of ................... per cent (........YO) per annum, payable October 1, 1963, and semiannually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof whether by lapse of time, call for redemption, or otherwise unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

This bond is one of an initial authorized series of ........................................ Dollars ($.........................) principal amount of Congress Circle Union Bonds of 1963, Series .................., which with the 1963 Series ............. Bonds constitute an issue of Ten Million Eight Hundred Thousand Dollars ($10,800,000) issued and to be issued pursuant to a Bond Resolution (herein called ‘Resolution’) of The Board of Trustees of the University of Illinois duly adopted June 19, 1963, for the purpose of providing funds for paying the cost of constructing and equipping a Union Building and parking facilities at the University of Illinois at Congress Circle (herein called the ‘Project’) as set forth in the Resolution. Said Resolution, among other things, provided for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part on any interest payment date on or after, but not prior to April 1, 1971, solely from surplus moneys in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 of the Resolution has been fully established and all provisions of Section 5.02 of the Resolution have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if resumed during the following periods respectively:

<table>
<thead>
<tr>
<th>Period of Redemption</th>
<th>Applicable Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1, 1971 through October 1, 1972</td>
<td>3%</td>
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<td>April 1, 1973 through October 1, 1977</td>
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<td>April 1, 1978 through October 1, 1982</td>
<td>1%</td>
</tr>
<tr>
<td>April 1, 1983 and thereafter without premium</td>
<td></td>
</tr>
</tbody>
</table>

The bonds of this series are also redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their
maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in the inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

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<td>1%</td>
</tr>
<tr>
<td>April 1, 1988 and thereafter without premium</td>
<td></td>
</tr>
</tbody>
</table>

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Congress Circle Union Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Registration Agent in the City of Chicago, Illinois, such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made on such books by the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer thereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, any paying agent, the Registration Agent and any other person may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any
interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of $5,000 and as registered bonds without coupons in the denomination of $5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (662/3%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any bond without the expressed consent of the holder or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, student service charges and other charges for the use of said facilities and to maintain and collect rents and student service charges and other charges sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of April, 1963.

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

Attest: ...............................................
Secretary

By ..............................................
President

.............................................
Member

.............................................
Member
Number.................................................... $.........................................

On the first day of ...................................................., 19........., (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of ............................................ Dollars ($..............................) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the option of the holder at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York, or at the Bank of America N.T.&S.A. in the City of San Francisco, California, as provided in the Congress Circle Union Bond of 1963, Series ........., dated April 1, 1963, Number ..............

Secretary

President

(Form for Registration of Coupon Bond)

Date of Registration

Name of Registered Owner

Signature of Registrar

(Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA

STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

CONGRESS CIRCLE UNION BOND

Series .......... of 1963

No........................... $..............................

The Board of Trustees of the University of Illinois, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Congress Circle Union Bond Fund as hereinafter provided for, and not otherwise) to ............................................. or registered assigns, on October 1, 19........., the principal sum of ............................................ Dollars ($..............................) and to pay interest thereon (which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the University), at the rate of ............................................ per cent (........% per annum, payable October 1, 1963, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are made payable in any coin or currency which on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

This bond is one of an initial authorized series of ............................................. principal amount of Congress Circle Union Bonds of 1963, Series .........., which with the 1963 Series .......... Bonds constitute an issue of Ten Million Eight Hundred Thousand Dollars ($10,800,000), issued and to be issued pursuant to a Bond Resolution (herein called "Resolution") of The Board of Trustees of the University of Illinois duly adopted June 19, 1963, for the purpose of providing funds for paying the cost of constructing and equipping a Union Building and parking facilities at the University of Illinois at Congress Circle (herein called the "Project") as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds...
The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part on any interest payment date on and after, but not prior to April 1, 1971, solely from surplus moneys in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 of the Resolution has been fully established and all provisions of Section 5.02 of the Resolution have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<table>
<thead>
<tr>
<th>Period of Redemption</th>
<th>Applicable Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1, 1971 through October 1, 1972</td>
<td>3%</td>
</tr>
<tr>
<td>April 1, 1973 through October 1, 1977</td>
<td>2%</td>
</tr>
<tr>
<td>April 1, 1978 through October 1, 1982</td>
<td>1%</td>
</tr>
<tr>
<td>April 1, 1983 and thereafter without premium</td>
<td></td>
</tr>
</tbody>
</table>

The bonds of this series are also redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in the inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<table>
<thead>
<tr>
<th>Period of Redemption</th>
<th>Applicable Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1, 1973 through October 1, 1977</td>
<td>3%</td>
</tr>
<tr>
<td>April 1, 1978 through October 1, 1982</td>
<td>2%</td>
</tr>
<tr>
<td>April 1, 1983 through October 1, 1987</td>
<td>1%</td>
</tr>
<tr>
<td>April 1, 1988 and thereafter without premium</td>
<td></td>
</tr>
</tbody>
</table>

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Congress Circle Union Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, or said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the
qualities of negotiable instruments, and shall be transferable by the registered owner at the office of the Registration Agent in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon coupon bonds or a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution. The Board of Trustees of the University of Illinois, any paying agent, the Registration Agent and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of $5,000 and as registered bonds without coupons in the denomination of $5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66\(\frac{2}{3}\)% in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons or (iv) reduce the percentage of principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby compels itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, student service charges and other charges for the use of said facilities and to maintain and collect rents and student service charges and other charges sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and this bond to be dated as of the 1st day of...
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

Attest: .......................................................... President
Secretary .......................................................... Member
Member ..........................................................

(For Assignment of Registered Bonds Without Coupons)

For Value Received ......................................................
hereby sell, assign and transfer unto ..................................

the within mentioned bond together with accrued interest thereon, and all
right, title and interest thereto and hereby irrevocably constitute and appoint
.........................................................., attorney to transfer the
same on the books of Registration of the University, with full power of substi-
tution in the premises.

Dated: ..........................................................
Witness: ..........................................................

NOTE: The signature to this Assignment must correspond with the name as
written on the face of the within bond in every particular, without
alteration or enlargement or any change whatsoever except when the
registered owner is a governmental agency, in which case it may be
executed in the name of any successor.

SECTION 2.06. Bonds of Additional Series. Subject to the conditions and
limitations set forth in Article Four hereof and provided that the University
shall not at the time be in default under any of the terms, covenants or provisions
of this Resolution, additional Bonds of equal rank with the 1963 Series A and B
Bonds may be issued from time to time under this Resolution having such maturi-
ties, providing for the payment of such rates of interest and having such other
characteristics as shall be determined by the Board of Trustees and set forth in
a resolution to be supplemental hereto; provided, however, that each issue of
additional Bonds, when so issued, shall be differentiated from all previous
issues by appropriate designation inscribed thereon.

SECTION 2.07. Execution of Bonds. All of the Bonds shall be executed by the
facsimile signatures of the President and any two members of the Board of
Trustees and shall have the seal of the University affixed thereto (or a facsimile
thereof to be reproduced thereon) and shall be attested by the Secretary of the
Board of Trustees, the coupons to be attached to the Bonds shall bear the fac-
simile signatures of the President and Secretary of the Board of Trustees.

In case any person who shall have signed, sealed or attested any Bond
issuable under this Resolution as an officer or member of the Board of Trustees,
shall have ceased to be such officer or member before the Bond so signed, sealed
or attested shall have been actually delivered, such Bond nevertheless may be
delivered and issued as though the person who signed, sealed or attested such
Bond had not ceased to be such officer or member of the Board of Trustees.

Any Bond issuable hereunder may be signed, sealed or attested on behalf
of the Board of Trustees by any person who at the actual date of execution of
such Bond is the proper person, although at the date of such Bond such person
shall not have been an officer or member of the Board of Trustees.

SECTION 2.08. Registration and Transfer of Bonds. The University shall keep
at the office of the Registration Agent in Chicago, Illinois, books for the registra-
tion and transfer of Bonds issued hereunder, which, at all reasonable times,
shall be open for inspection by the holder of any Bond issued hereunder, and upon
presentation for the purpose at such office, the University will register or transfer
or cause to be registered or transferred herein, as hereinafter provided, and under
such reasonable regulations as it may prescribe, any Bonds issued under this
Resolution and entitled to be so registered or transferred.

The holder of any coupon Bond issued hereunder may have the ownership
of the principal thereof registered on said books of the University at the office
of the Registration Agent in Chicago, Illinois, and such registration shall be noted
on the Bond. After such registration no transfer shall be valid unless made on
the said books by the registered owner in person, or by his duly authorized
attorney, and similarly noted on the Bond; but the same may be discharged from
registration by being in like manner transferred to bearer, and thereupon trans-
ferability by delivery shall be restored; and such Bond may again, from time to
time, be registered or transferred to bearer as before. Such registration, however,
shall not affect the transferability of the coupons, but every such coupon shall
continue to be transferable by delivery merely, and shall remain payable to bearer.
The University shall make no charge for such registrations and discharges from
registration.

Any registered Bond without coupons may be transferred at the office of the
Registration Agent in the City of Chicago, Illinois, by surrender of such Bond for
cancellation, accompanied by delivery of a written instrument of transfer in form
approved by the Comptroller, duly executed by the registered owner of such Bond
or his duly authorized attorney, and thereupon the University shall issue in the
name of the transferee or transferees a new registered Bond or Bonds of like
form and maturity and for a like aggregate principal sum.

A registered Bond without coupons, upon request of the registered owner,
may be exchanged at said office of the Registration Agent for several such Bonds,
of like form and maturity but of lesser authorized denominations, in the same
name and for a like aggregate principal sum, and several registered Bonds with-
out coupons, in the same name, may, upon request of the registered owner, be
exchanged at such office or agency for one registered Bond without coupons or
several such Bonds, of like form and maturity, but of greater authorized denomi-
nations and for the same aggregate principal sum.

Whenever any coupon Bonds in aggregate principal amount equal to one or
more registered Bonds without coupons of authorized denominations, with all un-
matured coupons thereto attached, shall be surrendered at such office for ex-
change for a registered Bond or Bonds without coupons, the University shall
issue, and, in exchange for such coupon Bonds, shall deliver registered Bonds, or
one registered Bond, of authorized denominations without coupons, of the same
maturity and for a like aggregate principal sum.

Whenever any registered Bond without coupons shall be surrendered for can-
cellation, accompanied by delivery of a written instrument or transfer in a form
approved by the Comptroller, duly executed by the registered owner of such Bond
or his duly authorized attorney, at the office of the Registration Agent in the City
of Chicago, Illinois, for exchange for coupon Bonds, the University shall issue,
and, in exchange for such registered Bond, shall deliver coupon Bonds for a like
aggregate principal sum and like maturity, with coupons thereto attached repre-
senting interest from the interest payment date on which interest was last paid on
such registered Bond without coupons.

As to all registered Bonds without coupons and all coupon Bonds registered
as to principal, the person in whose name the same shall be registered shall be
deemed and regarded as the owner thereof, for all purposes, and thereafter pay-
ment of or on account of the principal of such Bond, if it be a registered coupon
Bond, and of the principal and interest, if it be a registered Bond without
coupons, shall be made only to such registered owner thereof but such registra-
tion may be changed as above provided. All such payments shall be valid and
effectual to satisfy and discharge the liability upon such Bonds to the extent of
the sum or sums so paid. The University may deem and treat the bearer of any
coupon Bond which shall not at the time be registered as to principal, and the
bearer of any coupons for interest on such Bond, whether such Bond shall be
registered or not, as the absolute owner of such Bond or coupon for the purpose
of receiving payment thereof, and for all other purposes whatsoever, and the
University shall not be affected by any notice to the contrary whether the Bond
or coupon be overdue or not.

In every case of exchange or transfer of Bonds under this Section, the
surrendered Bond or Bonds shall be presented to the University for cancellation.

Upon every such exchange of coupon Bonds for registered Bonds, without
coupons, or of registered Bonds without coupons for coupon Bonds or for other
registered Bonds without coupons, and upon any transfer of registered Bonds
without coupons, the University, except as otherwise provided in any agreement
between the University and any original purchaser of Bonds, may require the
payment of such charge therefor as it may deem proper, not exceeding Two
Dollars ($2.00) plus actual expenses, including printing costs of new bonds, in-
curred in connection therewith for each Bond issued upon such exchange, payment of which, together with any taxes or other governmental charges required to be paid with respect to such exchange or transfer, shall be made by the party requesting such exchange or transfer as a condition precedent thereto.

The University shall not be required to make exchanges or transfers of bonds as provided in this Section 2.08 during a period of ten (10) days next preceding any interest payment date, or for the period of ten (10) days next preceding the first publication of notice of redemption of any Bond or at any time of any Bonds which have theretofore been duly called for redemption.

SECTION 2.09. Lost, Stolen, Destroyed or Mutilated Bonds. Upon the receipt by the University of evidence satisfactory to it of the loss, theft, destruction or mutilation of any outstanding Bond hereby secured, and of indemnity satisfactory to it, and upon surrender and cancellation of such Bond if mutilated, the University may execute and deliver, upon the lapse of such period of time as they may deem advisable, a new Bond of like tenor and maturity bearing the same or a different serial number, to be issued in lieu of such lost, stolen, destroyed or mutilated Bond. Such new Bond may bear such endorsement as may be prescribed by the University and which at the time is necessary to conform to the requirements of any securities exchange or of any governmental body having jurisdiction. The University may require the payment of a sum not exceeding Two Dollars ($2.00) for each new Bond issued under this Section 2.09, plus expenses, including printing costs of new bonds, which may be incurred by the University in the premises.

SECTION 2.10. Registration Agent. The depository in the City of Chicago, Illinois, is hereby appointed as the Registration Agent for the purpose of registering, transferring and exchanging the Bonds as in this Resolution provided and the University agrees to take all legal action necessary or proper to constitute said depository as the Registration Agent hereunder.

ARTICLE THREE
REDEMPTION OF BONDS

SECTION 3.01. Publication of Notice. Whenever the University shall determine to exercise its right to redeem any Bonds issued hereunder and by their terms subject to redemption, notice of such redemption shall be published by the University in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, in the City and State of New York, not less than 30 days prior to such redemption date. Such notice shall (a) designate the time and place of such redemption; (b) if the Bonds to be redeemed are less than all of the Bonds of any series or maturity, designate the numbers, the maturity date or dates and the aggregate principal amount of such Bonds; and (c) state that on the designated date of redemption such Bonds will be redeemed by payment of the principal amount thereof (or for the portion thereof to be redeemed) and all unpaid interest accrued thereon to the date of redemption plus the applicable premium, if any, and that from and after such designated redemption date interest in respect of the Bonds (or portions thereof) so called for redemption shall cease. A copy of said notice shall be mailed by the University, postage prepaid, at least 30 days prior to the redemption date to all registered owners of Bonds so to be redeemed at their last addresses appearing on the registration books of the University, but such mailing shall not be a condition precedent to the validity of the redemption of any Bond.

In case any fully registered Bonds are to be redeemed in part only, said notice shall specify the respective portions of the principal amounts thereof to be redeemed (which shall be $5,000 or any multiple thereof) and shall state that payment of the redemption price shall, except as hereinafter specifically provided, be made only upon presentation of such fully registered Bonds for surrender in exchange for a coupon Bond or Bonds or a fully registered Bond or Bonds of the same series and maturity, of authorized denominations in aggregate principal amount equal to the unredeemed portion of the principal amount thereof; and in such case, if coupon Bonds or fully registered Bonds are so to be delivered in exchange, the University shall execute and deliver to or upon the written order of the registered owner of any fully registered Bonds, a portion only of which is to
be redeemed, and at the expense of the University, a new Bond or Bonds of the same series and maturity for the principal amount of the surrendered fully registered Bond less the principal amount thereof paid on surrender.

In the event of the payment of a portion of the principal amount of any fully registered Bond registered in the name of any initial purchaser in whose name Bonds of that series were first registered and named in a written order of an Authorized Officer filed with the depository and stating that the provisions of this paragraph shall be applicable thereto, or registered in the name of any subsequent holder for the benefit of whom University shall elect that the provisions of this paragraph shall be applicable thereto (which election shall be subject to the condition that such subsequent holder shall first agree not to make any sale or transfer of any Bond or Bonds registered in its name without presentation of such Bond and, in lieu of delivering a new Bond or Bonds of an aggregate principal amount equal to the unredeemed portion of the principal amount of such Bond, the University shall, in its letter transmitting payment to such Bond holder, instruct such holder to endorse such payment on such Bond and a written representation from such holder to the University that such payment has been so endorsed shall be conclusive evidence of such endorsement and payment.

SECTION 3.02. Pro Rata Redemption Among Series. In any case of the redemption at the option of the University of less than all of the outstanding Bonds then subject to redemption, no Bonds of any series may be redeemed unless Bonds of each other series then subject to redemption are redeemed at the same time in proportion to the amount of each such Series originally issued; provided, however, that in any case of the redemption of all of the outstanding Bonds of any one or more series, as a result of or in anticipation of the refunding or refinancing of one or more such series by the application of funds derived from other borrowings or the issuance of additional Bonds hereunder, no Bonds of any other series need be redeemed unless so required in the resolution supplemental hereto, creating or authorizing any additional series of Bonds. Nothing in this section shall be deemed to restrict the redemption by the University of a portion of the Bonds of any Series out of surplus funds remaining in a Construction Fund Account held for the account of Bonds of such series in any case where the University is required or permitted to redeem such Bonds out of such surplus funds.

SECTION 3.03. Selection of Bonds for Redemption. In case the University shall have elected to redeem less than all of the outstanding Bonds of a single series and maturity, the Bonds to be redeemed shall be selected by lot except as herein otherwise expressly provided. In each such instance the University shall, at least five days before the date upon which the first publication of the notice of redemption hereinbefore mentioned is required to be made (or the mailing of such notice in case no publication is required as hereinafter specified), draw by lot, from the outstanding Bonds of such series and maturity, in any manner deemed by it proper, the identifying numbers of the Bonds to be redeemed. In any such selection by lot each Bond of a denomination in excess of $5,000 shall be given a separate number for each $5,000 of the principal amount thereof.

SECTION 3.04. Deposit of Funds for Redemption. Said notice having been given, as above provided, the Bonds designated for redemption shall, on the date specified in such notice, become due and payable, at the then applicable redemption price, and on or before the day preceding the date fixed for redemption the University shall deposit with the Continental Illinois National Bank and Trust Company of Chicago, or its successor in the City of Chicago, Illinois, as depository, the redemption price of the Bonds called for redemption and accrued interest thereon to the date fixed for redemption. Upon such deposit having been made and on presentation, if required, of such Bonds in accordance with such notice at the place at which the same are expressed in such notice to be redeemable, with all appertaining coupons, if any, maturing after said redemption date, such Bonds shall forthwith after the making of such deposit be paid by the depository, on behalf of the University, at such redemption price. Such payment of the redemption price shall be made to the bearer of any such Bonds, unless it shall then be registered, in which case such payment shall be made to the registered owner. All unpaid interest installments represented by coupons which
shall have matured on or prior to the date of redemption specified in such notice, shall continue to be payable to the bearers, severally and respectively, and the redemption price payable to the holders of Bonds presented for redemption shall not include such unpaid installments of interest unless coupons representing such installments shall be attached to the Bonds presented for redemption.

SECTION 3.05. Effect of Redemption. If the amount necessary to redeem all of the Bonds called for redemption as aforesaid shall have been deposited with the paying agent, for the account of the holder or holders of such Bonds on or before the day preceding the date specified for such redemption, and the notice hereinafore mentioned shall have been duly given, and all charges and expenses of the paying agent in connection with such redemption, or otherwise hereunder, shall have been fully paid or provided for, the University shall be privileged to consider such Bonds redeemed from the holder or holders thereof, and interest on such Bonds shall cease on the date specified for such redemption, and the University shall thereupon (subject to the provisions of Article Ten hereof) be discharged from and after the redemption date specified in such notice from further liability in respect of the Bonds so called for redemption, and thereafter such Bonds shall not be entitled to any benefit of or from this Resolution. In case any question shall arise as to whether any such notice shall have been sufficiently given, or such redemption effected, such question shall be decided by the paying agent, and the decision of the paying agent shall be final and binding upon all parties in interest. No holder of any Bond shall be entitled to any interest on money deposited for the redemption of Bonds.

SECTION 3.06. Cancellation of Bonds. All Bonds redeemed and paid, as provided in this Article Three, shall, together with all coupons appertaining thereto, be cancelled by the University and no Bonds or coupons so redeemed shall be reissued, nor shall any Bonds or coupons be issued in lieu thereof.

ARTICLE FOUR
ISSUANCE OF BONDS

SECTION 4.01. Issuance of 1963 Series A and B Bonds. Series A Bonds in the principal amount of Six Million Eight Hundred Thousand Dollars ($6,800,000) and Series B Bonds in the amount of Four Million Dollars ($4,000,000) shall be executed on behalf of the Board of Trustees and delivered to or upon the written order of the Comptroller.

SECTION 4.02. Issuance of Additional Bonds. Subject to the conditions and limitations hereinafter set forth and provided the University shall not at the time be in default under any of the terms, covenants or provisions of this Resolution, additional Bonds of equal rank with the 1963 Series A and B Bonds may be issued from time to time under the terms of this Resolution having such maturities, providing for the payment of such rates of interest and having such other characteristics as shall be determined by the Board of Trustees and set forth in a resolution to be supplemental hereto; provided such additional Bonds shall be issued only for one or more of the following purposes:

A. To provide funds necessary to pay the cost of completing the Project herein provided for in accordance with the plans and specifications now on file in the office of the Physical Plant Department, Navy Pier, Chicago, Illinois; or

B. Paying the cost of equipping, enlarging or improving the Project, provided that no Bonds may be issued for paying the cost of enlargements or improvements which would increase the size of the Congress Circle Union Building (as measured in gross square feet of floor space) by more than twenty-five per cent (25%); or

C. Paying the cost of construction or improvement of parking lots or parking structures for the Congress Circle campus;

provided further that the following conditions precedent are complied with at or prior to the time of issuance of such additional Bonds:

(i) In the event additional Bonds are issued for the purposes indicated in clause A above to provide additional funds necessary to pay the cost of completing the Project, the Architects employed by the University for the construction of said Project have submitted a certificate to the Board of Trustees setting forth an itemized statement of the work completed to the
date of said certificate, the cost thereof and an itemized statement of the work yet to be completed and the estimated cost of the work to be completed and such certificate of estimate shall be presented to and approved by said Board of Trustees preceding the adoption of any resolution authorizing the issuance of additional Bonds for such purpose, and

(ii) In the event additional Bonds are issued for the purpose of paying the cost of equipping, enlarging or improving the Project as provided in clause B and/or C above, the Net Income Available for Debt Service shall be equal to or greater than one and thirty-five hundredths (1.35) times the amount to become due in each succeeding fiscal year for the payment of principal and interest on the Bonds then outstanding hereunder and the Bonds then to be issued; provided that for any bonds issued prior to January 1, 1974, the income from student service charges shall not be based upon fall term student enrollments greater than 8,200 in 1965, 9,500 in 1966, 14,000 in 1967, 16,200 in 1968, 17,000 in 1969, 18,700 in 1970, 19,000 in 1971, 19,700 in 1972 and 20,000 in 1973 and each year thereafter, except that the most recent fall term enrollment figure may be substituted for the enrollment estimate for any year or years.

All such additional Bonds shall be issued pursuant to a resolution supplemental hereto, duly adopted by the Board of Trustees, setting forth the form of such additional Bonds and the terms and conditions applicable thereto. For the purpose of this Section any computation of Net Income Available for Debt Service prepared and certified by the Comptroller, setting forth in detail the computation thereof and demonstrating that it is equal to or greater than the amount required above shall be binding and conclusive upon the Board of Trustees and the holders of all Bonds then outstanding hereunder and then to be issued.

ARTICLE FIVE
PROVISIONS RELATING TO INCOME AND APPLICATION THEREOF

SECTION 5.01. Congress Circle Union Bond Fund. All revenues derived from the following sources are hereby pledged and shall be held in trust for the benefit of the Bond holders for the purpose of making the payments or deposits required to be made under subsections (a), (b) and (c) of Section 5.02 of this Resolution:

(1) the operation of the Project,
(2) the operation of any other revenue producing facilities for the account of which additional Bonds may hereafter be issued; and
(3) student service charges;

and such revenues shall be deposited as collected in a general banking account of the University to the credit of a special fund which is hereby created and designated as the “Congress Circle Union Bond Fund” said account to be maintained in a bank which is a member of the Federal Deposit Insurance Corporation and the Board of Trustees covenants that all revenues, income, receipts, profits, rates, rents or charges derived from the operation of such facilities shall be so credited within three working days after receipt in the Congress Circle Union Bond Fund and shall be used as provided in Section 5.02 hereof.

SECTION 5.02. Disposition of Congress Circle Union Bond Fund. The funds in the Congress Circle Union Bond Fund shall be used in the manner and in the order hereinafter mentioned:

(a) Funds in the Congress Circle Union Bond Fund representing revenues derived from student service charges shall first be used for the purpose of making the next succeeding deposit in the Bond and Interest Sinking Fund Account required to be made pursuant to subsection (b) below. All funds representing revenues derived from sources other than student service charges together with student service charges, if any, remaining after making the deposit in the Bond and Interest Sinking Fund of all amounts required to meet the next succeeding deposit required to be made by subsection (b) below, shall first be used to pay all current operating expenses and thereafter for the purposes specified in subsections (b), (c) and (d) below.

(b) There is hereby created an account to be designated the Congress Circle Union Bond and Interest Sinking Fund Account (herein sometimes called the “Bond and Interest Sinking Fund Account”), which shall be main-
tained with the Continental Illinois National Bank and Trust Company of Chicago or its successor in the City of Chicago, Illinois, which bank is hereby designated as the depository for said account. The University shall deposit in said Bond and Interest Sinking Fund Account on or before March 1 and September 1 of each year a sum not less than one hundred thirty-five per cent (135%) of the interest becoming due on the next semiannual interest payment date plus sixty-seven and one-half per cent (67 1/2%) of the principal payments becoming due within the next succeeding twelve months to be paid from the Congress Circle Union Bond Fund, until such time as such funds and investments (valued at the lower of cost or market), and the income and profits realized from any investments thereof, after providing for the next interest payment due on all then outstanding Bonds and for the principal payments due at the next maturity date for each series of Bonds outstanding (except that provision need be made only for one-half of the principal payments due more than six months after such deposit date), have created a debt service reserve in an amount equal to two hundred per cent (200%) of the annual amount to become due in the succeeding fiscal year for the payment of principal and interest on all Bonds then outstanding, and thereafter in a like manner such sums semiannually as may be necessary to meet the then current debt service requirement and to maintain the aforesaid debt service reserve. Said funds shall be held and used for the payment of principal, interest and premium, if any, on the Bonds. For the purpose of this paragraph interest and principal accruing prior to the estimated completion date of the Project and deposited into the Bond and Interest Sinking Fund Account out of the proceeds of the Bonds or from a Construction Fund Account shall not be deemed to be interest or principal to become due on the Bonds.

After setting aside funds for the payment of Bonds which have matured and for past due interest or interest coupons and for principal, accrued interest and premium, if any, on Bonds called for redemption but not paid, funds of the Bond and Interest Sinking Fund Account in excess of the principal and interest requirements for the next succeeding twelve (12) months may be invested by the depository from time to time by written order of the Comptroller in United States Government securities maturing not more than five (5) years from date of purchase. Funds held for interest and principal payments during the next succeeding twelve (12) months (excluding funds held for the payment of Bonds which have matured and for past due interest or interest coupons and for principal, accrued interest and premium, if any, on Bonds called for redemption but not paid) may be invested by the depository from time to time by written order of the Comptroller in United States Government securities maturing in such manner that at all times sufficient securities will mature not later than ten (10) days prior to each succeeding interest payment date to meet the interest and principal payments becoming due on such date.

(c) After setting aside all funds at the time required for the purposes specified in paragraph (a) above and all funds required to meet the next succeeding minimum deposit required to be made by paragraph (b) above, into said Bond and Interest Sinking Fund Account, the University shall establish on its books a Repair and Replacement Reserve (which shall consist of two parts, an equipment reserve and a repairs reserve) to which there shall be credited on or before the close of each fiscal year commencing with the fiscal year beginning July 1, 1965, (1) the sum of $30,000 or such portion thereof as is available for transfer annually for an equipment reserve portion of the Account shall aggregate $625,000 and thereafter such sums, but not more than $30,000 annually, as may be required to restore and maintain the balance of $625,000, and (2) the sum of $60,000 or such portion thereof as is available for transfer annually for a repairs reserve. All moneys in the Repair and Replacement Reserve may be drawn on and used by the University for the purpose of paying the cost of unusual or extraordinary maintenance or repairs, renewals and replacements, and the renovating or replacement of furniture and equipment not paid as part of normal operating expenses. Funds standing to the credit of said Repair and Replacement Reserve may be invested by the Comptroller in United States Government
securities until such time as funds are needed. In the event that there is any
deficiency in the funds required to be deposited semiannually into the Bond
and Interest Sinking Fund Account or there is a deficiency in the debt
service reserve, as provided in paragraph (b) above, sufficient funds shall be
transferred from the Repair and Replacement Reserve and deposited in the
Bond and Interest Sinking Fund Account to eliminate such deficiency.

d) All funds remaining in said Congress Circle Union Bond Fund in
any fiscal year after the full debt service reserve prescribed in subsection (b)
of this Section has been provided for and after all provisions in subsections
(a), (b) and (c) of this section have been met and all deficiencies have been
made up, shall be deemed surplus moneys and shall be used for any of the
following purposes: (1) for calling and redeeming the outstanding Bonds,
which by their terms are redeemable prior to maturity; (2) for purchasing
Bonds in the open market, with all unmatured interest coupons thereto
attached at the lowest prices reasonably attainable, but not exceeding the
amount at which such Bonds at the time are redeemable; (3) for investment
by the Comptroller in United States Government securities until such time
as funds are needed for other purposes; (4) for unusual or extraordinary
repairs, replacements, or improvements to the facilities, for which no funds
can be properly provided in subsection (a) above or which are in excess of
the amount available therefor in the Repair and Replacement Reserve;
and (5) for any lawful purpose as the Board of Trustees may direct.

ARTICLE SIX
APPLICATION OF PROCEEDS OF SALE OF BONDS

SECTION 6.01. Custody and Application of Bond Proceeds. The proceeds
from the sale of Bonds to be issued from time to time hereunder shall be applied
only toward the cost of acquiring, constructing, equipping, enlarging, or improving
facilities, all as hereinbefore provided. When received, the part of the pur-
chase price of Bonds representing the interest accrued on Bonds to the date of
payment of such purchase price, together with such portion of the proceeds of the
Bonds as is determined by the Board of Trustees to be necessary to be so set
apart representing interest and principal, if any, to become due on such Bonds
prior to the time the facilities for the account of which such Bonds have been
issued become revenue producing and funds become available therefrom, shall be
deposited in the Bond and Interest Sinking Fund Account. The remaining part
of such purchase price shall be retained by the University and accounted for as a
separate fund or funds to be known as a “Construction Fund Account” and such
monies shall be deposited in a bank or banks which are members of the Federal
Deposit Insurance Corporation. The monies in each Construction Fund Account
shall be applied only toward the cost of construction in the manner and subject
to the terms and conditions of any contract or agreement between the Board of
Trustees and any purchaser of Bonds or as may be provided by a resolution
supplemental hereto and relating to each separate series of Bonds to be issued
hereunder, but in such a manner as to assure completion of the project or im-
provement for the account of which such Bonds were issued free and clear of
mechanic’s liens and substantially in accordance with the plans and specifications
therefore.

SECTION 6.02. Investment of Construction Fund. Pending disbursement
for the purpose aforesaid the Comptroller may from time to time invest all or any
part of the monies in the Construction Fund Account not to be needed within
the next succeeding thirty (30) days for the purposes hereinafore set forth in
bonds, or other direct and general obligations of the United States of America
having a maturity date or becoming due at the option of the holder not more than
three years subsequent to the date of investment therein. Interest accruing as a
result of any such investments when received shall be credited to the Construc-
tion Fund Account.

SECTION 6.03. Disposition of Surplus Funds. After completion of each con-
struction or improvement project, the Comptroller of the University shall execute
a certificate to the effect that said project has been fully completed according
to the plans and specifications and the same filed in the office of the Secretary
of the Board of Trustees. Subject to the terms and provisions of any contract
or agreement between the Board of Trustees and any original purchaser of Bonds
and relating to any separate series of Bonds to be issued hereunder, if there be
funds remaining in a Construction Fund Account at the time of the filing of such certificate with the Secretary, said funds shall be withdrawn by the Comptroller and deposited in the Bond and Interest Sinking Fund Account. Any contract or agreement between the Board of Trustees and any original purchaser of Bonds may provide that any funds remaining in a Construction Fund Account established for the account of any series of Bonds being acquired by such purchaser be applied to the redemption of such Bonds or other Bonds then subject to redemption or to the purchase of Bonds on the open market.

ARTICLE SEVEN
ADDITIONAL COVENANTS OF THE UNIVERSITY

The Board of Trustees of the University of Illinois hereby covenants and agrees as follows:

SECTION 7.01. Authority for Bonds. That it is duly authorized under the laws of the State of Illinois and under all other applicable provisions of law to create and issue the Bonds herein provided for, and to pledge and apply the net income of the facilities and student service charges as herein provided; that all corporate and other action on its part for the creation and issuance of the initial issue of Bonds has been duly taken; that said Bonds when issued and in the hands of the holders thereof will be valid and enforceable obligations of the University according to the import thereof; that this Resolution is and will remain a valid Resolution to secure the payment of said Bonds and that the University has complete and lawful authority and privilege to acquire, construct, equip, operate, enlarge, improve, maintain, control and manage the facilities as herein provided.

SECTION 7.02. Right to Use and Occupancy of the Facilities and Not to Encumber Same. That it hereby warrants that it has a valid and existing right to the use and occupancy of the facilities and the sites thereof and the right to construct, equip, operate, enlarge, improve, maintain, control and manage the facilities and it, or the State of Illinois, has indefeasible title in fee simple to the sites of the facilities subject only to current taxes not in default, except for the sites of parking lots, for which it has a valid contract for the acquisition of the sites; that it will not further encumber said property or the income therefrom and that it will not, while any Bonds are outstanding hereunder encumber the title to or pledge or agree to pay to others the income from any of the said facilities; that it will within three months after the same shall accrue pay and discharge or cause to be paid and discharged, all lawful claims and demands of mechanics, laborers and others which if unpaid might by law become liens upon the facilities or the sites thereof unless contested in good faith and by appropriate legal proceedings. Any assessment or attempt to assess property shall not be considered an encumbrance within the meaning of this section so long as the University takes proper action to prevent judgment being entered against said property. Nothing contained in this Resolution shall be construed to prevent the University from using any portion of land included in a project site, other than the specific land on which the facilities are located, for any lawful purposes so long as the use and occupancy of the facilities are not impaired. Any project site, or portion thereof, used as a parking lot may be used for purposes other than parking so long as (1) an equal or greater number of parking spaces are constructed at another location on the Congress Circle Campus to replace those parking spaces which are eliminated for such reason and the revenues to be derived from the new spaces are pledged for the benefit of the Bondholders and held and applied as in Article Five provided or (2) the Net Income Available for Debt Service for each succeeding fiscal year thereafter (after giving effect to the elimination of such parking spaces and the substitution, if any, of other spaces) shall be equal to or greater than 1.35 times the amount to become due in each succeeding fiscal year for the payment of principal of and interest on the Bonds then outstanding hereunder.

SECTION 7.03. To Pay Principal and Interest. That it will duly and punctually pay or cause to be paid the principal sum and the interest accruing on said principal, on each and every one of the Bonds secured or to be secured hereby, at the dates and places, and in the manner provided in said Bonds, and in the coupons thereunto appertaining, according to the terms thereof.

SECTION 7.04. Taxes. That it will pay and discharge all taxes, assessments and Governmental charges which shall be imposed upon the facilities provided,
however, that the University shall not be required to pay any such tax, assessment, charge or claim so long as the University in good faith and by appropriate legal proceedings shall contest the validity thereof or its enforceability as a lien, and provided further that any such delay occasioned thereby shall not subject the facilities or any part thereof to forfeiture or sale.

Section 7.05. Payment of Bondholders' Costs and Expenses. That it will pay all and singular the costs, charges and expenses including reasonable attorney fees incurred or paid at any time by the holder of any of the Bonds because of the failure on the part of the University to perform, comply with and abide by each and every of the stipulations, agreements, conditions and covenants of the Bonds and this Resolution, or either of them.

Section 7.06. Construction of New Facilities, Maintenance, Repairs, Application of Income, Operation of Additional Facilities. That following the issuance of each series of Bonds under this Resolution it will cause the facilities for the account of which such Bonds were issued to be constructed with all reasonable dispatch; that it will at all time from income made available for such purpose maintain, preserve and keep all the facilities and all additions and betterments thereto and every part and parcel thereof in good repair, working order and operating condition; that it will continuously operate the facilities on a revenue producing basis; and that it will use and apply the income from the facilities only as provided in Article Five of this Resolution.

Section 7.07. Student Service Charges and Rental Rates. That so long as any Bonds herein authorized to be issued shall remain outstanding it will continuously operate and maintain the facilities, will adopt such rules and regulations and fix and maintain such student service charges, rates, rents, fees, and charges for the use of said facilities as will provide revenue sufficient to provide and maintain the aforesaid Bond and Interest Sinking Fund Account and the required reserves therefor, to pay the reasonable cost of operating and maintaining the facilities and to provide and maintain the Repair and Replacement Reserve, and that it will collect and account for and apply the aforesaid income and revenues in accordance with and as provided by this Resolution. Student service charges for the general use of the facilities will be assessed against and charged to each and every student enrolled for credit in the University of Illinois at Congress Circle as a condition precedent to enrollment, except that exemptions from the payment of the student service charges may be granted under policies established from time to time by the Board of Trustees for certain limited classes of students (such as scholarship students and graduate students holding staff appointments) if the University then has unallocated funds authorized by law to be retained in the Treasury of the University in an amount equal to all student service charges for which exemptions are then being granted and if the University shall forthwith deposit into the Congress Circle Union Bond fund an amount equal to the aggregate of all such exempted student service charges; provided, however, that no such deposit need be made by the University at any time when the only effect of such deposit would be to create surplus moneys in the Congress Circle Union Bond fund, under sub-section (d) of Section 5.02 of this Resolution.

Section 7.08. Record Keeping. That it will, so long as any of the Bonds issued hereunder remain outstanding and unpaid, keep proper and separate books of accounts and records in which full, true and correct entries will be made of all dealings and transactions relating to the properties, business and financial affairs of the University as related to the facilities and such records and books shall be open to inspection by the Bond holders and their agents or representatives.

Section 7.09. Audit Reports and Furnishing of Same. That it will on or before one hundred fifty (150) days after the end of each fiscal year commencing with the fiscal year ending June 30, 1964, cause to be prepared and will furnish to the depository and (upon written request therefor) to the holder or holders of any Bonds, certified reports of audit based on an examination sufficiently complete to comply with generally accepted auditing standards, prepared by a nationally recognized firm of independent public accountants, covering the operations of the facilities for the fiscal year next preceding, and showing the income and expenses for such period. Such audit report shall include a statement in reasonable detail of income from and expense of each separate facility and shall show the student enrollment of the University and the schedule of student service
Such audit report shall also include statements of the status of each fund, reserve or account established under the terms of Article Five hereof showing the amount and source of the deposits therein, the amount and purpose of the withdrawals therefrom and the balance therein at the beginning and end of the fiscal year. There will also be included with each audit report a written opinion of the accountant that in making the examination necessary to said audit no knowledge of any default by the University in the fulfillment of any of the terms, covenants, provisions and conditions of this Resolution was obtained, or, if such accountant shall have obtained knowledge of such default a statement of the default or defaults thus discovered and the nature thereof.

SECTION 7.10. Fire and Extended Coverage Insurance. That as long as any of said Bonds authorized to be issued hereunder shall remain outstanding and unpaid, either as to principal or interest, or both, it will maintain insurance on said facilities, including all equipment thereof, against loss or damage by fire and windstorm and all other risks included in extended coverage insurance in amounts sufficient to provide for not less than full recovery of the insurable value whenever the loss from causes covered by such insurance does not exceed eighty per cent (80%) of the full insurable value of said buildings. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois, and all moneys collected on account of loss or damage covered by any such policy or policies of insurance shall be held in trust by the Board of Trustees and shall be used only for restoration of the property so damaged or, at the election of the Board of Trustees, deposited for credit to the Bond and Interest Sinking Fund Account.

SECTION 7.11. That as long as the funds and investments of the Bond and Interest Sinking Fund Account are less than the maximum debt service reserve required to be maintained under Section 5.02 (b) of this Resolution, it will procure and maintain Business Interruption Insurance on the Congress Circle Union Building in an amount not less than two years’ debt service requirements. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois and all moneys collected on account of loss covered by such insurance shall be held in trust by the Board of Trustees and credited to the Congress Circle Union Bond Fund.

ARTICLE EIGHT
Events of Default

SECTION 8.01. Events of Default. The University shall be in default herein if one or more of the following events (herein called "events of default") shall happen, to-wit:

(a) Failure to make due and punctual payment of the principal of or any redemption premium on any Bond when and as the same shall become due and payable;

(b) Failure to make due and punctual payment of any installment of interest on any Bond when and as such interest installment shall become due and payable, and such default shall have continued for a period of thirty (30) days;

(c) Failure to make due and punctual payment or satisfaction of any payment into the Bond and Interest Sinking Fund Account when and as such payments shall become due and payable as in this Resolution or any resolution supplemented hereto expressed and such default shall have continued for a period of one hundred eighty (180) days;

(d) If the University shall default in the observance of any other covenants, agreements or conditions on its part in this Resolution or any resolution supplemental hereto or in the Bonds contained, and such default shall have continued for a period of ninety (90) days after notice thereof given to the University by the holder of any Bond setting forth the nature of such default.

If an event of default shall happen and be continuing, then and in each and every such case the holders of not less than a majority in aggregate principal amount of the Bonds at the time outstanding shall be entitled, upon notice in writing to the University, to declare the principal of all of the Bonds then outstanding hereunder and the interest accrued thereon to be due and payable
immediately, and upon any such declaration the same shall become and shall be
immediately due and payable, anything in this Resolution or in the Bonds con-
tained to the contrary notwithstanding.
All of the revenues of the facilities including all sums in the Congress Circle
Union Bond Fund upon the date of the happening of any event of default and all
revenues of the facilities thereafter received by the University, shall be applied
by the University in the order following upon presentation of the several Bonds
and coupons, and the stamping thereon of the payment if only partially paid, or
upon the surrender thereof if fully paid:

First, to the payment of the costs and expenses of the holders of the
Bonds in declaring such event of default, including reasonable compensa-
tion to their agents, attorneys and counsel;

Second, in case the principal of the Bonds shall not have become due
and shall not then be due and payable, to the payment of the interest in
default in the order of the maturity of the installments of such interest,
with interest on the overdue installments at the rate now or hereafter pro-
vided by law, such payments to be made ratably to the persons entitled
thereto without preference or priority;

Third, in case the principal of the Bonds shall have become due and
shall be then due and payable, to the payment of the whole amount then
owing and unpaid upon the Bonds for principal and interest, with interest
on the overdue principal at the rate or rates of interest specified in the
Bonds and on installments of interest at the rate now or hereafter provided
by law, and in case such moneys shall be insufficient to pay in full the whole
amount so owing and unpaid upon the Bonds, then to the payment of such
principal and interest without preference or priority of principal over inter-
est, or of interest over principal, or of any installment of interest over any
other installment of interest, ratably to the aggregate of such principal and
interest.

SECTION 8.02. Rights of Holders of Bonds Upon Default. Subject to any
contractual limitations binding upon the holders of any of the Bonds (including
any other limitations herein upon the exercise of any remedy to holders holding
a specific proportion or percentage of the Bonds), any holder of Bonds shall
have the right, for the equal benefit and protection of all holders of Bonds
similarly situated:

(a) By suit at law or proceedings in equity to compel observance by the
University or by any of its officers, agents, and employees of any contract
or covenant made by the University with the holders of bonds and coupons
as provided in this Resolution, and to compel the University and any of its
officers, agents and employees, to perform any duties required to be per-
formed for the benefit of the holders of the Bonds or coupons as provided
by this Resolution, and to enjoin the University and any of its officers,
agents or employees from taking any action in conflict with any contract or
covenant with the holders of the Bonds and coupons as provided by this
Resolution;

(b) By action or suit in equity to require the University to account as
if it were the trustee of an express trust; or

(c) By action or suit in equity to enjoin any acts or things which may be
unlawful or in violation of the rights of the holders of Bonds.

No remedy conferred hereby upon any holder of Bonds is intended to be
exclusive of any other remedy, but each such remedy is cumulative and in addi-
tion to every other remedy and may be exercised without exhausting and without
regard to any other remedy conferred hereby. No waiver of any default or
breach of duty or contract by the holder of any Bond shall extend to or shall
affect any subsequent defaults or breach of duty or contract or shall impair any
rights or remedies thereon. No delay or omission of the holder of any Bond to
exercise any right or power accruing upon any default shall impair any such
right or power or shall be construed to be a waiver of any such default or
acquiescence therein. Every substantive right and every remedy conferred upon
the holders of Bonds may be enforced and exercised from time to time and as
often as may be deemed expedient. In case any suit, action or proceeding to
enforce any right or exercise any remedy shall be brought or taken and then
discontinued or abandoned, or shall be determined adversely to the holders of
UNIVERSITY OF ILLINOIS

Bonds, then, and in every such case, the University and the holders of Bonds shall be restored to their former positions and rights and remedies as if no such suit, action or proceeding had been brought or taken.

ARTICLE NINE

MODIFICATION AND AMENDMENT OF THE RESOLUTION

SECTION 9.01. Amendment by Consent of Bond Holders. This Resolution and the rights and obligations of the University and of the holders of the Bonds and coupons may be modified or amended at any time by resolution supplemental hereto adopted by the Board of Trustees pursuant to the affirmative vote of the holders of sixty-six and two-thirds per cent (662/3%) in principal amount of all of the Bonds then outstanding at a meeting of Bond holders held in accordance with this Article, or with the written consent without a meeting, given as provided in Section 9.04, of the holders of sixty-six and two-thirds per cent (662/3%) in principal amount of all of the Bonds then outstanding; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on, or otherwise alter or impair the obligation of the University to pay the principal or interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any Bond without the express consent of the holder of such Bond, or (ii) permit the creation by the University of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held hereunder, except as permitted by this Resolution, or (iii) permit the creation of a preference or priority of any Bond or Bonds over any other Bond or Bonds or coupon or coupons, or (iv) reduce the percentages of Bonds required for the affirmative vote or written consent to an amendment or modification, without the written consent of holders of all Bonds.

SECTION 9.02. Bond Holders Meetings. The University may at any time call a meeting of the holders of Bonds. Every such meeting shall be held at such place in the City of Chicago, State of Illinois, as may be specified in the notice calling such meeting. Written notice of such meeting, stating the place and time of the meeting and in general terms the business to be submitted, shall be given by the University by registered or certified mail, postage prepaid, not less than thirty (30) nor more than sixty (60) days before such meeting, to each registered owner of Bonds then outstanding, at his address, appearing upon the books of registration, and in the event there shall then be outstanding any coupon Bonds which shall not be registered as to principal such notice shall also be published by the University at least once a week for two (2) successive weeks in a daily newspaper published in the English language and having a general circulation in the City of Chicago, State of Illinois, and also by similar publication in a financial newspaper published in the Borough of Manhattan in the City and State of New York, the first publication to be not less than thirty (30) nor more than sixty (60) days prior to the meeting; provided, however, that in any case where publication shall be required as herein before set forth the mailing of such notice shall in no case be a condition precedent to the validity of any action taken at any such meeting.

SECTION 9.03. Attendance in Person or by Proxy. Attendance and voting of Bond holders at such meeting may be in person or by proxy. Owners of Registered Bonds may, by an instrument in writing under their hands, appoint any person as their proxy to vote at any meeting for them.

In order that holders of Bonds payable to bearer or their proxies may attend and vote without producing their Bonds, the University may make and from time to time vary such regulations as it shall think proper for the deposit of Bonds with, or exhibit of Bonds to, any banks or trust companies, wherever situated, and for the issue by them, to the persons depositing or exhibiting such Bonds, of certificates in form approved by the University which shall constitute proof of ownership entitling the holders thereof to be present and vote at any such meeting and to appoint proxies to represent them and vote for them at any such meeting in the same way as if the persons so present and voting, either personally or by proxy, were the actual bearers of the Bonds in respect of which such certificates shall have been issued, and any regulations so made shall be binding and effective. Copies of such regulations shall be kept on file in the
offices of the paying agent in Chicago, Illinois, and the Secretary of the University.

Any registered owner of Bonds or any holder of a certificate provided for in this Section 9.03 shall be entitled in person or by proxy to attend and vote at such meeting as holder of the Bonds registered or certified in his name, without producing such Bonds. All others seeking to attend or vote at such meeting in person or by proxy must produce the Bonds claimed to be owned or represented at such meeting, and all persons seeking to attend or vote at such meeting in person or by proxy shall, if required, produce such further proof of Bond ownership or personal identity as shall be satisfactory to the University. All proxies presented at any meeting shall be delivered to the inspectors of votes and filed with the University.

SECTION 9.04. Amendments by Written Consent of Bond Holders. The University may at any time adopt a valid resolution amending the provisions of the Bonds or of this Resolution or of any resolution supplemental hereto, to the extent that such an amendment is permitted by the provisions of Section 9.01, to take effect when and as provided in this Section. A copy of such resolution, together with a request of the University to Bond holders for their consent thereto, shall be mailed by the University to each registered owner of Bonds and notice of the adoption thereof shall be published in the manner provided in Section 9.02 for the mailing and publication referred to in that Section (but failure to mail copies of such resolution and request shall not affect the validity of the resolution when assented to as in this Section provided). Such resolution shall not be effective unless and until there shall have been filed with the University the written consents of the percentage of holders of outstanding Bonds specified in Section 9.01. Each such consent shall be effective only if accompanied by proof of ownership of the Bonds for which such consent is given, which proof shall be such as is permitted by Section 9.03. Any such consent shall be binding upon the holder of the Bonds giving such consent and on any subsequent holder of such Bonds (whether or not such subsequent holder has notice thereof).

SECTION 9.05. Supplemental Resolutions or Amendments Without Consent of Bond Holders. The Board of Trustees may from time to time and at any time, subject to the conditions and restrictions in this Resolution contained, but without requiring the consent of the holders of any of the Bonds, adopt a resolution or resolutions supplemental hereto, which shall thereafter form a part hereof for any one or more or all of the following purposes:

(a) To add to the covenants and agreements of the University in this Resolution contained, other covenants and agreements thereafter to be observed and/or to surrender any right or power herein reserved to or conferred upon the Board of Trustees;

(b) To clarify any ambiguity or to clarify, correct or supplement, any defect or inconsistent provision contained in this Resolution or any resolution supplemental hereto;

(c) To provide for the issuance of additional Bonds hereunder upon the terms and conditions in this Resolution specified.

SECTION 9.06. Endorsement of Bonds. Bonds delivered after the effective date of any action taken as provided in this Article Nine may bear a notation by endorsement or otherwise in form approved by the University as to such action, and in that case upon demand of the holder of any Bond outstanding at such effective date and presentation of his Bond for the purpose at the office of the Comptroller of the University a suitable notation shall be made on such Bond by the University as to any such action. If the University shall so determine, new Bonds so modified as to conform to such action shall be prepared and delivered, and upon demand of the holder of any Bond then outstanding shall be exchanged at the office of the Comptroller of the University, without cost to any Bond holder, for Bonds then outstanding, upon surrender of such Bonds with all unmatured coupons, if any, appertaining thereto.

SECTION 9.07. Exclusion of Bonds. Bonds owned or held by or for the account of the University shall not be deemed outstanding for the purpose of any vote or consent or other action or any calculation of outstanding Bonds in this Article provided for, and shall not be entitled to vote or consent or take any other action in this Article provided for.
ARTICLE TEN
MISCELLANEOUS

SECTION 10.01. Benefits of Bond Holders Limited to Parties. Nothing in this Resolution, expressed or implied, is intended or shall be construed to confer upon, or to give to, any person, firm or corporation other than the University and the holders of the Bonds and of the coupons outstanding, any right, remedy or claim under or by reason of this Resolution, and any covenants, stipulations, promises and agreements in this Resolution contained by and on behalf of the University shall be for the sole and exclusive benefit of the University and of the holders of Bonds and of the coupons outstanding.

SECTION 10.02. Successor Is Deemed Included in All References to Predecessor. Whenever in this Resolution or any resolution supplemental hereto either the University or the paying agent is named or referred to, such reference shall be deemed to include the successors or assigns thereof, and all the covenants and agreements in this Resolution contained by or on behalf of the University shall bind and inure to the benefit of the respective successors and assigns thereof whether so expressed or not.

SECTION 10.03. Discharge of Resolution. If all of the outstanding Bonds shall have matured, or shall have been duly called for redemption and the redemption date thereof shall have arrived, and if the University shall have deposited with the depository in trust, funds pursuant to this Resolution sufficient to pay and available for the payment of all amounts due on all Bonds then outstanding, including all principal, interest and redemption premiums, if any, and provision shall also be made for paying all other sums payable hereunder by the University, then, notwithstanding that any Bonds or interest coupons shall not have been surrendered for payment, the pledge of the income provided for in this Resolution and all other obligations of the University under this Resolution shall cease and terminate except as hereinafter in the next succeeding paragraph provided.

Any such funds held by the depository which have not been disbursed in the payment of Bonds and interest as aforesaid during the period of ten (10) years after the deposit referred to in the foregoing paragraph, shall be repaid to the University by the paying agent on written request of the University together with the schedule of the Bonds not paid or redeemed and thereupon the holder of any of the Bonds or coupons entitled to receive such payments, shall thereafter look only to the University for the payment thereof; provided, however, that the depository before being required to make such repayment, shall at the expense of the University, effect publication once a week for two successive weeks in a daily newspaper published in the English language, and having a general circulation in the City of Chicago, State of Illinois, and also by a similar publication in the Borough of Manhattan in the City and State of New York, a notice to the effect that said moneys have not been so applied and that after a date named in said notice, any unclaimed balance of said moneys then remaining will be refunded to the University.

No Bond or appurtenant coupon shall, after maturity thereof either according to its terms or through call of such Bond for earlier redemption, be deemed to be outstanding provided that moneys in the requisite amount for the payment thereof shall have been deposited with the depository, as trust funds, and are available for payments of such Bond or coupon upon demand.

SECTION 10.04. Execution of Documents by Bond Holders. Any request, declaration or other instrument which this Resolution may require or permit to be signed and executed by Bond holders may be in one or more instruments of similar tenor, and shall be signed or executed by Bond holders in person or by their attorneys-in-fact appointed in writing.

Except as otherwise herein expressly provided, the fact and date of the execution by any Bond holder or his attorney-in-fact of such request, declaration or other instrument or writing appointing such attorney-in-fact may be proved by the certificate of any notary public or other officer authorized to take acknowledgements of deeds to be recorded in the State in which he purports to act, that the person signing such request, declaration or other instrument or writing acknowledged to him the execution thereof, or by an affidavit of a witness of such execution, duly sworn to before such notary public or other officer.
Except as otherwise herein expressly provided in this Resolution, the amount of Bonds transferable by delivery held by any person executing such request, declaration or other instrument or writing as a Bond holder, and the numbers thereof, and the date of his holding such Bonds, may be proved by a certificate, which need not be acknowledged or verified, satisfactory to the University, executed by a trust company, bank, investment banker, dealer, broker or other depositary wherever situated, showing that at the date therein mentioned such person exhibited to or had on deposit with such depositary the Bonds described in such certificate. Continued ownership after the date of deposit stated in such certificate may be proved by the presentation of such certificate if the certificate contains a statement by the depositary that the Bonds therein referred to are in fact held on deposit by such depositary and will not be surrendered without the surrender of the certificate to the depositary. The University may nevertheless in its discretion require further or other proof in cases where it deems the same desirable. The ownership of registered Bonds and the amount, maturity, number and date of holding the same shall be proved by the registry books.

Any request, declaration or other instrument or writing of the owner of any Bond shall bind all future owners of such Bond in respect of anything done or suffered to be done by the University hereunder in good faith and in accordance therewith.

SECTION 10.05. Waiver of Personal Liability. No officer, agent or employee of the University shall be individually or personally liable for the payment of the principal of or interest on the Bonds; but nothing herein contained shall relieve any such officer, agent or employee from the performance of any official duty provided by law.

SECTION 10.06. Official Publication. Any publication to be made under the provisions of this Resolution in successive weeks may be made in each instance upon any business day of the week and need not be made on the same day of any succeeding week nor in the same newspaper for any or all of the successive publications, but may be made in different newspapers.

SECTION 10.07. Partial Invalidity. If any one or more of the covenants or agreements, or portions thereof, provided in this Resolution should be contrary to law, then such covenant or covenants, such agreement or agreements or such portions thereof, shall be null and void and shall be deemed separable from the remaining covenants and agreements or portions thereof and shall in no way affect the validity of this Resolution or of the Bonds.

SECTION 10.08. Headings and Index. Any headings preceding the texts of the several articles hereof and any table of contents appended to copies hereof shall be solely for convenience of reference and shall not constitute a part of this Resolution, nor shall they affect its meaning, construction or effect.

SECTION 10.09. Covenants Not to Be Deemed Covenants of Any Present or Future Officer, Agent or Employee of University. All covenants, stipulations, obligations and agreements of the University contained in this Resolution shall be deemed to be covenants, stipulations, obligations and agreements of the University to the full extent authorized by law and permitted by the Constitution of the State of Illinois, and no covenants, stipulations, obligations or agreements contained herein shall be deemed to be a covenant, stipulation, obligation or agreement of any present or future officer, agent or employee of the University in his individual capacity, and no officer executing the Bonds shall be liable personally on the Bonds or be subject to any personal liability or accountability by reason of the issue thereof. No officer, agent or employee of the University shall incur any personal liability in acting or proceeding or in not acting or not proceeding in good faith, reasonably and in accordance with the terms of this Resolution and applicable law.

SECTION 10.10. Resolution Effective on Passage. This Resolution shall become effective upon its passage.

STATE OF ILLINOIS
COUNTY OF CHAMPAIGN

I, ________________________________, do hereby certify that I am the duly elected, qualified and acting Secretary of The Board of Trustees of the University of Illinois, and as such official have charge and custody of the minutes and records of said Board of Trustees.
Resolution

WHEREAS, Section 7.07 of the Resolution of this Board of Trustees authorizing and providing for the issuance of $10,800,000 Congress Circle Union Bonds, Series A and B of 1963, duly adopted June 19, 1963, provides that the Board of Trustees will adopt such rules and regulations and fix and maintain such student service charges (as defined in said Resolution) rates, rentals, fees, and charges for the use of the facilities referred to therein as will provide revenue sufficient to provide and maintain the Bond and Interest Sinking Fund Account and the required reserves therefor and to pay the reasonable cost of operating and maintaining facilities and to provide and maintain the Improvement and Replacement Reserve; and

WHEREAS, The Board of Trustees of the University of Illinois desires to comply with the above cited provisions and to adopt certain rules and to provide for certain charges applicable to the operation of the facilities;

Now, Therefore, Be It and It Is Hereby Resolved by The Board of Trustees of the University of Illinois that the officers and management of the University be and they are hereby authorized and directed in the operation of the Congress Circle Union Building and parking facilities to carry out the following rules:

RULE 1. The properties of the Congress Circle Union Building and parking facilities above referred to as the "facilities" shall be continuously operated at all times when the University is in session.

RULE 2. Subject to further action of The Board of Trustees the initial student service charge for the use of the Congress Circle Union Building shall be $40 per regular school semester for students in Range I (carrying above 10 semester hours of work), $25 per regular school semester for students in Range II (above five semester hours up to and including 10 hours), and $10 per regular school semester for students in Range III (above 0 and up to and including five semester hours), and shall be assessed against and charged to each and every student enrolled for credit in the University of Illinois at Congress Circle as a condition precedent to enrollment, except to the extent exemptions may be granted upon the conditions contained in Section 7.07 of the Resolution authorizing the issuance of the Bonds. Said fee shall be effective with the fall semester of 1964 or at such earlier date as The Board of Trustees may determine.

RULE 3. Rentals, rates, fees, and charges for the use of the parking lots and the income-producing facilities within the Congress Circle Union Building shall be from time to time established and maintained in such amounts as will result in net income sufficient, together with the student service charges, to provide revenue sufficient to provide and maintain the Bond and Interest Sinking Fund Account and the required reserves therefor and to pay the reasonable cost of operating and maintaining facilities and to provide and maintain the Improvement and Replacement Reserve.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

CONTRACTS FOR CONSTRUCTION OF THE CONGRESS CIRCLE CAMPUS UNION BUILDING

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the Union Building at Congress Circle, Chicago, the award in each case to the lowest bidder:
General (Division I) — Power Construction, Inc., Oak Park........... $5,624,322
Base bid ................................................................. $5,568,511
Additive alternate for assignment of other contracts........ $55,811

Plumbing and Fire Protection (Division II) — M. J. Corboy Corporation, Chicago .......................................................... 394,217

Heating, Refrigeration, and Automatic Temperature Controls (Division III) — Frank S. Bellis, Berwyn......................... 534,500

Ventilating and Air Conditioning (Division IV) — H. S. Kaiser Company, Elk Grove................................................... 632,000

Electrical (Division V) — Hoffman Electric Company, Chicago..... 719,760

Food Service Equipment (Division VI) — Stearnes Imperial Company, Chicago......................................................... 510,068

**Total**................................................................................... $8,414,867

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract $8,414,867; and it is further recommended that an agreement be entered into with Power Construction, Inc., Oak Park, for the assignment of these other contracts for $55,811, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds will be available through the sale of revenue bonds, and in state capital appropriations to the University for 1961-63 from the Universities Building Fund which have been released.

Submitted herewith is a supporting report from the Physical Plant Department, including a summary of bids received, a copy of which is being filed with the Secretary of the Board.

I concur in these recommendations.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**ADDITION TO CONTRACT FOR CONSTRUCTION OF ELECTRICAL ENGINEERING BUILDING ADDITION**

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $2,720.82 in the contract with Pathman Construction Co., Chicago, for construction of two rooms within the lecture room area of the Electrical Engineering Building Addition.

Funds are available in the construction budget.

I recommend that the Comptroller be authorized to execute this change order.

On motion of Mr. Johnston, this change in contract was authorized.

**LEASES OF PROPERTY**

(21) Because of constitutional limitations, all leases of property by the University of Illinois expire on June 30 of each biennium. I recommend that the Comptroller and Secretary be authorized to renew at the end of each biennium all leases when there is no change in rental or it does not exceed $2,500 a year. If any increase in rental is proposed, and the total annual rental is more than $2,500 a year, a recommendation will be submitted to the Board. All leases when renewed will be listed in the Comptroller’s report of contracts to the Board.

I concur.

On motion of Mrs. Watkins, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**LEASE WITH DEPARTMENT OF PUBLIC WORKS AND BUILDINGS OF THE STATE OF ILLINOIS AND THE CITY OF CHICAGO FOR A PORTION OF THE CONGRESS CIRCLE SITE**

(22) The campus plan for the Congress Circle provides for closing of the existing Congress Parkway (a frontage road lying between Harrison Street and the Congress Expressway) from Morgan to Halsted Streets and the construction of a
Chicago Transit Authority Station on the Peoria Street Bridge which will be closed to vehicular traffic.

Negotiations with city of Chicago, state, and federal representatives have resulted in an agreement which will provide that the City will finance and construct the CTA Station, and the University will (1) take a lease of the Congress Parkway area as a part of the campus, (2) construct a ramp from the Peoria Street Bridge to the elevated walkway, and (3) remove the improvements on the right-of-way of the Congress Parkway and landscape and maintain the area during the period of the lease.

The proposed agreement is for the period expiring June 30, 1965, with an option to the University to renew the lease for consecutive two-year periods after expiration of the original term.

The Director of the Physical Plant and the Vice-President and Comptroller recommend approval of the agreement and lease, and that the Secretary of the Board and the Vice-President and Comptroller be authorized to execute the same upon terms and conditions, and in a form, approved by the Legal Counsel.

I concur.

On motion of Mr. Williamson, this lease was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

APPLICATION TO FEDERAL COMMUNICATIONS COMMISSION FOR FM STATION IN CHICAGO

(23) The Director of Broadcasting has requested adoption of a resolution authorizing an application to the Federal Communications Commission for a new FM station in Chicago which will broadcast in the Chicago area. Station WILL programs from the Medical Center Campus and later from Congress Circle. He has secured the approval of Northwestern University and Elmhurst College officials of changes in channel assignments for their stations which will be required for a frequency assignment to the new station.

The Executive Vice-President and Provost and I concur and recommend adoption of the required form of resolution, a copy of which is submitted herewith.

On motion of Mr. Swain, the following resolution was adopted.

Resolution

I, A. J. Janata, Secretary of The Board of Trustees of the University of Illinois, hereby certify that the following is a true and exact extract from the minutes of the meeting of The Board of Trustees of the said University held in Peoria, Illinois, on June 19, 1963:

"On motion made and duly seconded, and with a quorum of the Board present and duly authorized to act, it was unanimously voted by those present to approve the following resolution:

"We, a duly constituted quorum of The Board of Trustees of the University of Illinois, having legal authority to act, hereby authorize and direct the Secretary of the Board of Trustees, A. J. Janata, to execute any and all legal instruments necessary to the establishment, maintenance and operation of a proposed non-profit educational FM radio station at Chicago, Illinois, including, but not limited to any and all applications or other pleadings of any sort which are now or may hereafter be required in the prosecution of such application before the Federal Communications Commission, Washington, D.C., for the construction and/or operation of said station at Chicago, Illinois."

In witness whereof, I, a duly authorized official of The Board of Trustees of the University of Illinois, have caused the seal of the University of Illinois to be hereunto affixed. Given under my hand this ................ day of ................................, 1963, at Urbana, Illinois.

Secretary of the Board of Trustees
University of Illinois

USE OF UNIVERSITY FACILITIES BY THE TWIN CITY BIBLE CHURCH

(24) The Board of Trustees authorized the use of University space in Gregory Hall by the Twin City Bible Church of Urbana for a two-year period, 1961-63,
while a new church building is being constructed. The former property of this church on Springfield Avenue, Urbana, was purchased by the University for campus expansion and the building was razed. Church officials have requested continued use of University facilities until completion of the new building. The University is reimbursed for any expense involved and use of University rooms is so scheduled as not to conflict with University needs for the same.

I concur.

On motion of Mr. Johnston, this request was approved.

AUTOMOBILE PARKING REGULATIONS AND FACILITIES.

URBANA-CHAMPAIGN

(25) On the basis of a report and recommendations of the Committee on Motor Vehicle Regulations and the Campus Planning Committee (University administrative-faculty committees), I recommend that the Board of Trustees approve in principle the plan presented below for a long-range parking program for the University of Illinois, and the specific recommendations set forth therein, effective September 1, 1963; and that the President of the University be authorized to amend it from time to time in the light of experience and upon appropriate recommendations. Such action would be consistent with the General Rules Concerning University Organization and Procedure which give the President authority to make traffic and parking regulations and such changes therein as conditions may warrant, and with the action of the Board in adopting the present parking regulations and program for the Urbana-Champaign campus in June, 1958.

Preface to Recommendations

On July 18, 1962, the Board authorized the employment of Harland Bartholomew and Associates, St. Louis, Missouri, for a study of the University’s parking problem on the Urbana-Champaign campus. The Bartholomew report, entitled “Long-Range Parking Program for the University of Illinois,” was made available for study by University administrative officers, faculty, and staff, in December, 1962. A representative of Harland Bartholomew and Associates presented the report at an open meeting of the faculty and staff on December 12, 1962, at which time many questions were discussed.

The Committee on Motor Vehicle Regulations and the Campus Planning Committee had been assigned the task of evaluating the report and making recommendations to the President of the University. These Committees solicited criticisms of the present regulations, adopted in June, 1958, and of the Bartholomew report, and suggestions for the development of an improved parking plan for the Urbana-Champaign campus. At the December meeting, the Committees announced that all communications, recommendations, and criticisms could be sent to the Committee Chairmen prior to January 15, 1963, and that all recommendations would be considered before a tentative recommendation would be made.

More than 150 letters and memoranda were received in response to the Committees’ solicitation. Thereafter the Committees met weekly in full afternoon sessions for several weeks. The tentative proposal was mailed (Faculty Letter No. 52) on February 20 to all faculty and staff, and notice was given that a meeting would be held in the University Auditorium on February 28 to discuss the proposal and to answer questions. About fifty persons were present at that meeting, and a stenographic report was made of all questions and suggestions. The record of the meeting indicated there were two or three provisions which caused the greatest concern, so that opportunity was again given to present criticisms in writing. Very few responses were received.

On March 12, the Committees had a final meeting at which its report was adopted and subsequently submitted to the President of the University. It is the judgment of the Committee, with which I agree, that the program proposed will provide a basis for some progress toward a partial solution of a very difficult and complex problem. The Committee on Motor Vehicle Regulations will need to have under continuous review the regulations for use of the various areas. It may be necessary to increase fees and to make other changes in the program if it becomes desirable to accelerate the pace of construction of additional parking areas.
Recommendations

1. Parking lots and structures shall be constructed on land presently owned or to be acquired by the University.
   (Explanatory note: The two Committees are in agreement that it would be desirable if the University could provide both the land and the construction necessary for an adequate parking program. Since this does not appear to be possible, land now owned or purchased for campus expansion should be utilized for parking until it must be used for building sites. This represents a continuation of the present policy.)

2. Each member of the faculty-staff desiring to use parking space on University lots, streets, or drives shall pay an annual registration fee of $15.00. A faculty-staff member wishing to register a second car shall pay a fee of $5.00 for that car. Anyone desiring to register a car for less than the full twelve months shall pay a registration fee of $7.50 per semester, and/or $3.75 for a Summer Session.
   (Explanatory note: It is intended that the registration fee be voluntary but shall apply uniformly to all members of the faculty-staff who use University land for parking at any time during the year. The $15.00 fee would cover the full twelve months. Staff on less than nine-month appointment would pay a $7.50 semester fee, or $3.75 for the Summer Session only. In addition to the right to park in unrestricted University spaces, the registration fee would entitle a faculty-staff member to a motor vehicle registration card which would entitle the member to ride free on the Illi-Bus anywhere along the Illi-Bus route.)

3. No motor vehicle shall be registered unless the certificate of title is in the name of an employee or the spouse of an employee of the University.
   (Explanatory note: There was some feeling among the Committees that University registration should be restricted to motor vehicles owned by the University employee with specific exceptions being made only in exceptional cases. It was deemed that this policy would afford better control of University parking spaces to insure that their use would be restricted to faculty-staff. However, a majority felt that exceptional cases would be rare and that vehicles owner-registered in the name of an employee or spouse should be entitled to University registration.)

4. Any full time faculty-staff member may rent a parking space (on a first come-first served basis) for the hours of 6:00 a.m. to 6:00 p.m. Monday through Friday and 6:00 a.m. to 12:00 noon on Saturday for an annual rental fee of $45.00 (in addition to the annual $15.00 registration fee).
   (Explanatory note: This rental would be on a voluntary basis and designed for the convenience of those who desire such a space and are willing to pay the additional fee. Such spaces would not be reserved during the evening hours (after 6:00 p.m.) and would be available after 6:00 p.m. to faculty-staff who have paid the University registration fee. No charge would be made to faculty-staff for parking in such spaces during the evening hours. It is anticipated on the basis of available spaces, that faculty-staff who return to their offices or laboratories to work after 6:00 p.m. will find a space in a University lot, or on a University street or drive, reasonably close to such offices or laboratories. Any faculty-staff member who, on the effective date of this program, is paying for a rental space will be assured that the space will continue to be assigned to him.)

5. Faculty-staff members and University departments having special need may rent a parking space by special permission of the Executive Vice-President and Provost on a twenty-four hour yearly basis for an annual rental fee of $90.00 (in addition to the annual $15.00 registration fee for individuals, or a total of $105.00 per year for individuals and departments).
   (Explanatory note: This provision is for those special cases in which the Provost determines that the interests of the University require that a special parking space be reserved on a twenty-four hour basis for an individual or department. A department would include such parking fee in its operating budget in the same manner that it provides for the other operating expenses of the motor vehicle.)
6. All parking spaces in service areas will be metered on a short-term basis restricted to faculty-staff and official visitors on University business.
   (Explanatory note: This provision is for rapid turnover use in scattered areas around the campus as is now provided on a no charge basis.)

7. All unrestricted parking spaces on University-owned streets and drives shall be metered, as the demand requires, on an 8:00 a.m. to 5:00 p.m. basis and that the use of such metered spaces be restricted to the use of faculty-staff and visitors on the basis of current motor vehicle parking regulations initially, and thereafter as the needs of the faculty-staff may require.
   (Explanatory note: Some portions of University streets and drives are restricted to traffic flow only and parking is not permitted. Parking, in accordance with published regulations, is permitted on other portions of streets and drives. In order to control parking use in areas of high demand and to encourage turnover rather than all-day use, it is proposed to meter such spaces on a five cents per hour, five-hour limit, for use between 8:00 a.m. and 5:00 p.m. As the campus expands and faculty-staff parking needs increase in certain areas, the regulations may be changed to restrict such spaces to the use of faculty-staff. Initially, however, it appears that current regulations are adequate in those areas of minimal faculty-staff demand. It is anticipated that the metering of spaces on University streets and drives will be gradual as the need appears.)

8. The present Illi-Bus routes shall be expanded and extended to provide transportation to all parts of the campus from parking lots. University motor vehicle registration identification cards furnished to faculty-staff will serve as a pass in lieu of a cash fare.
   (Explanatory note: As the campus expands and new classroom and laboratory buildings are constructed in the center of campus, it is anticipated that there will be increased need for intra-campus bus transportation for faculty-staff from parking lots which are not within convenient walking distance of offices, classrooms, and laboratories, and for cross-campus trips during the working day. An expansion and extension of Illi-Bus service for these needs seems mandatory. The registration fee for faculty-staff will permit this to be done on a realistic basis as the need requires.)

9. The University will acquire as rapidly as feasible the needed sites and construct a parking structure or structures adjacent to the center campus area.
   (Explanatory note: The need for additional parking spaces adjacent to the present center area of the campus is acute. If the other proposals are adopted it is anticipated that the income will permit an immediate start on providing additional spaces. While there are many practical and financial problems involved in acquiring an adequate site and constructing parking structures, if a reasonable amount of income for such construction is assured steps should be taken to provide such additional spaces.)

10. The University will assume all the costs of administering the parking program to the end that all funds which are paid in the form of registrations, rentals, or meter income will be available to finance the bonds required to build the structures recommended in paragraph 9, to prepare other land for parking use, and to maintain existing lots.

11. The policies adopted and the specific parking and traffic regulations incorporated by reference herein will be re-evaluated after not more than six months of the operation of the revised program and periodically thereafter, and changes recommended to make more effective use of the parking lots and streets.

12. The Committee on Motor Vehicle Regulations shall make recommendations for implementation of the foregoing program with respect to its administration.

The report of the Committees recognizes that its proposals may not be adequate to meet satisfactorily the present and future parking space needs on this campus; and also that individual opinions differ as to how such a complex and costly undertaking should be approached to serve the needs of all segments of the University community. Having considered carefully all present and foreseeable future aspects of the problem, it is believed that the proposals offer the most practical and least expensive approach to the problem at the present time.

It will be noted that the proposals do not deal with the question of student
cars on campus, which is considered to be a separate problem. Only an approximate 20 per cent of the students have registered motor vehicles on campus. The primary concern has been to provide adequate services for the total student body, including the 80 per cent who do not have motor vehicles on campus. As the essential needs of the faculty-staff are met for serving the total student body, we will turn to the subsidiary problem of providing parking facilities to the extent possible for the 20 per cent of the student body who have motor vehicles on campus.

Although the Committees believe that all the major policy decisions are included in its recommendations, they recognize that a number of administrative details remain to be determined before the program may be put into operation. Recommendations for the resolution of these questions may appropriately be made by the Committee on Motor Vehicle Regulations, as has been recommended, and the Campus Planning Committee will not be involved in their consideration.

On motion of Mr. Johnston, the foregoing recommendations were approved, and authority was given as requested.

AMENDMENTS OF UNIVERSITY OF ILLINOIS STATUTES
(26) The University Senates have proposed amendments of Sections 38, Tenure of Academic Staff, and 39, Academic Freedom, of the University of Illinois Statutes and, collaterally, of Section 6, University Senates, which would necessarily be affected by any changes made in Sections 38 and 39. The Urbana-Champaign Senate approved the proposed amendments on June 13, 1961; the Chicago Undergraduate Division Senate on December 5, 1961, approved but with some modifications the amendments proposed by the Urbana-Champaign Senate; and the Medical Center Senate on April 4, 1962, approved, with minor changes, the amendments as modified and approved by the Chicago Undergraduate Division Senate.

The University of Illinois Statutes provide:
Section 6 (k), in part, that “each Senate may propose amendments to these Statutes through the Senate Coordinating Council to the President and the Board of Trustees as provided in Section 65.”

Section 65 provides, in part, that “. . . Any proposed amendment shall be referred to the Senate Coordinating Council for its consideration and for transmission to the other Senates for action. If the three Senates agree, the amendment shall be presented to the President for transmission to the Board of Trustees. If the Senates do not concur in the proposed amendment, the Coordinating Council shall endeavor to promote agreement of the three Senates; where agreement is not effected, the Council shall transmit its recommendations to the President for submission to the Board of Trustees. Any Senate objecting to a proposed amendment may record its objections by forwarding them to the Board of Trustees, through the President . . .”

(italics supplied)

Accordingly, and pursuant to the authority vested in it by Section 65, the Senate Coordinating Council endeavored to promote agreement of the three Senates on the proposed amendments which was not successful; and pursuant to the further authority vested in it by Section 65, the Senate Coordinating Council transmitted to the President of the University, for submission to the Board of Trustees, its recommendations for amendments to Sections 6, 38, and 39 of the University Statutes.

On April 2, 1963, I transmitted to all members of all three Senates the complete report of the Senate Coordinating Council presenting its recommendations for amendments to the Statutes, stating that to provide an opportunity for any of the Senates to register an objection to the recommendations (as provided for in Section 65, quoted above), I would defer presentation of the subject to the Board of Trustees until after the June meetings of the Senates. The Senates have offered no objections. On the contrary, the Urbana-Champaign Senate at a meeting on April 15, 1963, unanimously adopted a resolution:

“. . . that the Champaign-Urbana Senate approves and endorses the recommendation of the Senate Coordinating Council for revision of Sections 6, 38, and 39 of the University Statutes and urges their adoption by the Board of Trustees.
The Medical Center and Chicago Undergraduate Division Senates have offered no objections to the recommendations of the Senate Coordinating Council.

I now present the Senates' recommendations to the Board of Trustees for study. At a subsequent time, I shall submit my recommendations with regard to the proposals. For purposes of comparison they are submitted in parallel form showing the current statutory provisions and the recommendations for proposed amendments.

The President's report and the recommendations of the Senate Coordinating Council were received for record, and were referred to the Committee on General Policy for further consideration and advice to the Board.

Amendments of University of Illinois Statutes

Proposed by the University Senates and the Senate Coordinating Council

The present University of Illinois Statutes were adopted by the Board of Trustees January 16, 1957, and became effective September 1, 1957. The following amendments have been proposed by the Urbana-Champaign, Medical Center, and Chicago Undergraduate Division Senates, and the Senate Coordinating Council. The amendments were initiated by the Urbana-Champaign Senate and were modified by the two Chicago Senates, after which the Senate Coordinating Council submitted its recommendations.

Present statutory provisions recommended deletions are indicated by brackets [ ].

Sec. 6. (1) Each Senate shall elect annually by ballot from its membership a Committee on Committees consisting of not fewer than three persons. Not more than one member of this Committee of the Urbana-Champaign Senate shall be from any one college or school. Upon nomination made by this Committee after consultation with the President, in the case of the Urbana-Champaign Senate, and with the Vice-President in Charge of the Chicago Professional Colleges or with the Executive Dean of the Chicago Undergraduate Division, respectively, each Senate shall elect committees on educational policy, academic freedom, University calendar, the library, student discipline, student affairs, and such other standing committees as it may from time to time authorize.

The chairmen of the Senate committees on educational policy, academic freedom, library, and of such other committees as the three Senates may designate, shall be members of the corresponding committees of the other Senates.

Recommendations of the Senate Coordinating Council

Additions are indicated by italics.

Sec. 6. (1) Each Senate shall establish rules of procedure in accordance with which it shall elect annually by ballot from its membership a Committee on Committees. Upon nomination made by this Committee after consultation with the President, in the case of the Urbana-Champaign Senate, or with the Vice-President in Charge, in the case of each Chicago campus Senate, each Senate shall elect committees on educational policy, academic freedom and tenure, University calendar, the library, student discipline, student affairs, and such other standing committees as it may from time to time authorize. The Committee on Academic Freedom and Tenure at each campus shall be elected by the respective Senate upon nomination made in the manner hereinbefore described in this paragraph and shall consist of at least five members of the faculty other than deans or directors, with no more than two members from any one college, school, institute, division, or other administrative unit. The chairmen of the Senate committees on educational policy, academic freedom and tenure, library, and of such other committees as the three Senates may designate, shall be members of the corresponding committees of the other Senates.

* (m) The academic staff (i.e., those having the rank of instructor or higher rank) at each campus shall also elect a
Faculty Advisory Committee of nine members of such academic staff, three of whom shall be elected each year for three-year terms. No more than two members, or in the case of the Medical Center no more than three, from any one college, school, institute, division, or other administrative unit of the University shall serve on the Committee at the same time. The Committee shall each year elect its own chairman at its first meeting held after the annual election of members. The Committee shall adopt its rules of procedure, copies whereof shall be sent to all members of the academic staff and to the President. The Committee shall make such annual reports to the President, the Senate, and the faculty as it deems appropriate.

The functions of the Committee shall be to provide for the orderly voicing of suggestions for the good of the University, for affording added recourse for the consideration of grievances, and for furnishing a channel for direct and concerted communication with administrative officers of the University, its colleges, schools, institutes, divisions, and other administrative units on matters of interest or concern to the academic staff or any member of it.

In performing its functions, the Committee upon the request of the President, or any member of the academic staff, or upon its own initiative, shall make such investigations and hold such consultations as it may deem to be in the best interest of the University. A member of the academic staff shall be entitled to a conference with the Committee or with any member of it on any matter properly within the purview of the Committee.

While the faculty advisory committee is provided for here in Sec. 6 for convenience, it should be noted that it is not a Senate committee but a general University committee on each campus.

Those who at the date this section of the University Statutes becomes effective are already members of an established Faculty Advisory Committee shall be the first members of the Committee as established under this section of the University Statutes, with terms coterminous with those for which they were elected.

Any person of the rank of instructor or higher rank may be nominated as a
Any action of any Senate involving matters of University-wide policy, or proposals to amend the University Statutes, shall be submitted by the Senate Coordinating Council to the other Senates for consideration and recommendation.

Tenure of Academic Staff

Sec. 38. (a) Unless otherwise provided in these Statutes (and in the absence of some special written agreement approved by the President of the University with the consent of the appointee) the tenure for the various members of the academic staff shall be as stated herein, except that first appointments or temporary appointments may be made for shorter periods.

(1) An appointment as professor or associate professor shall be for an indefinite term.

(2) An appointment as assistant professor, or to the administrative staff, shall be for a period not longer than two years from September 1 of the first year of the legislative biennium.

(3) Appointments to lower ranks shall be for not more than one year.

(b) The appointment of any person for a definite term does not carry any guarantee or implication that the Board of Trustees will renew the appointment at its termination, even though the appointee may have discharged his duties satisfactorily. Any appointment, if accepted, must be accepted with this stipulation.

(c) Tenure may be terminated by (1) honorable retirement; (2) acceptance of resignation; (3) discharge for cause.

(d) [Cause for discharge shall consist of conduct seriously prejudicial to the University through deliberate infraction of law or commonly accepted standards of morality, neglect of duty, Committee member by a petition signed by three members of the academic staff and filed with the Clerk or Secretary of the Senate prior to April 1 of each year. The Clerk of the Senate shall conduct the election by University mail as soon as possible thereafter. All members of the academic staff of the rank of instructor or higher rank may vote, and the three nominees receiving the highest number of votes, who are then eligible for membership on the Committee under the foregoing provisions, shall be declared elected.

(n) Any action of any Senate involving matters of University-wide policy, or proposals to amend the University Statutes, shall be submitted by the Senate Coordinating Council to the other Senates for consideration and recommendation.

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(c) Tenure may be terminated by (1) honorable retirement; (2) acceptance of resignation; (3) dismissal for due cause.

(d) Due cause for dismissal shall be deemed to exist only if, with all due regard for the freedoms and protections provided for in Sec. 39 of these Statutes, a faculty member's conduct
inefficiency or incompetency. The enumeration of causes for discharge shall not be deemed exclusive, and the Board of Trustees reserves the power to discharge for other causes, but it is to be distinctly understood that this power will be exercised only under exceptional circumstances and then only for conduct which is clearly prejudicial to the best interests of the University.

(e) [An appointee on definite tenure shall not be removed before the expiration of his term of service, nor shall an appointee on indefinite tenure be removed, without in either instance first having been presented with a written statement of the charges against him, which shall be sufficiently specific reasonably to inform him of their nature and to enable him to present his defense thereto. Charges shall be preferred by the President, or on his authority, and shall be filed with the Secretary of the Board of Trustees. A copy of the charges shall be transmitted to the appointee either personally or shall be mailed to the appointee at his last known post office address by registered mail within 15 days after they have been preferred. Within 15 days after such service of a copy of the charges, the appointee may file with the Secretary of the Board a written request for a hearing before the Board of Trustees. Notice of the time and place of the hearing, which shall be not less than 20 days after the date of the appointee's request, shall be served upon the appointee either personally or by registered mail at his last known post office address. The date of the hearing shall be no less than 15 days from the date of the receipt of the notice of hearing by the appointee. The appointee shall have the right to appear at the hearing, with counsel, if he desires, to reply to the charges and to present evidence in his behalf. The Board shall not be bound by formal or technical rules of evidence in hearing and deciding the case. Prior to the preference of charges, or while charges are pending, the appointee may be suspended by the President pending final decision of the Board. Upon the date designated for giving the effective date of dismissal or requested resignation, the Board shall give due consideration to the time reasonably required for the adjustment of the staff member's personal affairs.]
answer thereto, and the request for a hearing to the chairman of the Committee on Academic Freedom and Tenure, and copies of the answer and request for a hearing to the President.

(4) Notice of Hearing. Notice of the time and place of the hearing before the Committee on Academic Freedom and Tenure, which hearing shall be not less than twenty days after the filing of the appointee’s request, shall be delivered on the same date to the appointee and the President either personally or by registered mail. The date of the hearing shall be not less than fifteen days from the date of such delivery or of such mailing of the notice of hearing.

(5) Hearing. At the time and place fixed the Committee on Academic Freedom and Tenure shall hold a closed hearing on the charges. No member of that Committee shall sit in a case that involves a member of his department, school, institute, or division, whichever represents the smallest administrative unit. Three members of the Committee shall constitute a quorum for the conduct of the hearing, and the chairman of the Committee may appoint another member of the Committee to preside over the hearing. If vacancies occur, the Committee on Committees shall appoint as many members as are necessary to constitute a quorum. Except as hereinbefore or hereinafter provided the hearing shall be conducted according to such rules as the Committee may from time to time establish. The Committee shall not be bound by technical rules of evidence, but all findings, conclusions, and recommendations of the Committee shall be supported by, and be in accord with substantial evidence. The appointee shall be entitled to be present at all sessions of the Committee when evidence is being received and to have with him an adviser of his own choice who may act as counsel. Likewise the President or some person designated by him, together with counsel if the President desires counsel, shall be entitled to be present at all sessions of the Committee when evidence is being received. Each party shall have the right within reasonable limits to question witnesses and when all the evidence has been received to make an argument in support of its position, either in person or by counsel. A full stenographic transcript shall be made of the hearing unless both parties
agree to the making of a record in a briefer form.

(6) Findings, Conclusions, and Recommendations. Following the conclusion of the hearing the Committee shall promptly make its explicit findings of fact on each charge, its conclusions, and its recommendations. Reasonable opportunity shall be given to each party to file a written statement setting forth objections to these findings, conclusions, and recommendations and setting forth the grounds for such objections. A copy of one party's objections shall be given to the other party. The originals of the findings, conclusions, and recommendations, and of the hearing shall be forwarded to the President and copies shall be promptly transmitted to the appointee.

If ultimately the appointee requests a hearing before the Board of Trustees, the originals or copies of statement of charges filed by the President or on his authority with the Clerk or Secretary of the Senate, the request for a hearing, the answer to the statement of charges, the notice of the time and place of hearing, the transcript or briefer record of the hearing, any exhibits, received in evidence, the findings, conclusions, and recommendations of the Committee, and any objections to such findings, conclusions, and recommendations, shall constitute the record before the Committee on Academic Freedom and Tenure to be submitted to the Board. The record shall be available to the Board of Trustees, to counsel for the appointee, and to counsel for the University, but shall not be available to other persons prior to the hearing before the Board. If the Committee recommends that charges be dropped and the President concurs, the case shall be considered closed.

(7) Hearing by Board of Trustees. Within 30 days after transmittal of the findings, conclusions, and recommendations of the Committee on Academic Freedom and Tenure, or, if the appointee filed no request for a hearing before that Committee, within fifteen days after the expiration of the period specified in paragraph (3) for the filing of such a request, the President may cause the charges to be filed with the Secretary of the Board of Trustees along with the findings, conclusions, and recommendations, if any, of the Committee on Academic Freedom and Tenure and the record of the hearing before the Committee, if one
was held. Notice of such filing of charges shall be delivered to the appointee personally or shall be mailed to him by the Secretary of the Board of Trustees by registered mail within five days after such filing. Within ten days after such delivery or mailing of notice of the filing of the charges with the Secretary of the Board of Trustees, the appointee may file with the Secretary of the Board a written request for a hearing before the Board of Trustees. Notice of the time and place of the hearing, which hearing shall be not less than twenty days after the date of the filing of the appointee's request, shall be delivered to the appointee personally or mailed to him by registered mail. The date of the hearing shall be not less than fifteen days from the date of such delivery or mailing of the notice of hearing to the appointee. The appointee shall have the right to appear at the hearing, with counsel, if he desires, to reply to the charges and to present evidence in his behalf. Counsel for the University shall represent the University administration at the hearing and shall have the right to present evidence in support of the charges. The Board shall not be bound by technical rules of evidence in hearing and deciding the case. The Board will give due consideration to the findings, conclusions, and recommendations of the Committee on Academic Freedom and Tenure, and in all cases where a report was made by the Committee will invite a member of the Committee designated by its chairman to attend the hearing before the Board and afford him an opportunity to make a statement.

If the Board concludes that the appointee should be dismissed or asked to resign, in designating the effective date of dismissal or requested resignation, the Board will give due consideration to the time reasonably required for the adjustment of the appointee's personal affairs. If a hearing is requested before the Board of Trustees, the Committee on Academic Freedom and Tenure may make at its discretion an appropriate report to the Senate.

(8) Suspension. An appointee may be suspended only under exceptional circumstances and with pay subject to the following provisions: a) The President may suspend before the filing of any charges only after giving notice to the chairman or, in the absence of the chairman from the Uni-
((f) Any member of the faculty of the University, who claims that termination of his services would violate principles of academic freedom, shall have the right to a hearing before the Committee on Academic Freedom of the appropriate Senate prior to a hearing, if any, before the Board of Trustees. Such hearings shall be conducted in accordance with established rules of procedure. The Committee shall make findings of fact and recommendations to the President of the University. The several Committees may, from time to time, establish their own rules of procedure.)

**Academic Freedom**

Sec. 39 (a) It is the policy of the University to maintain and encourage full freedom, within the law, of inquiry, discourse, teaching, research, and publication and to protect any member of the academic staff against influences, from within or without the University, which would restrict him in the exercise of these freedoms in his area of scholarly interest. The right to the protection of the University shall not, however, include any right to the services of the University's Legal Counsel or his assistants in any governmental or judicial proceedings in which the academic freedom of the staff member may be in issue.

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(b) In his role as citizen, the faculty member has the same freedoms as other citizens, without institutional censorship or discipline, although he should be mindful that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning.

(c) These freedoms do not include the right to advocate the overthrow of our constitutional form of government by force or violence.

(d) A staff member who believes that he does not enjoy the academic freedom which it is the policy of the University to maintain and encourage, shall be entitled to a hearing, on his written request, before the Committee on Academic Freedom of the appropriate University Senate.

COMPTROLLER'S REPORT OF CONTRACTS

(27) The Comptroller's report of contracts executed during the period May 1 to 31, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>State of Illinois Local Records Commission</td>
<td>Survey and appraise records series in Illinois local and appellate courts</td>
<td>$4,000.00</td>
<td>May 1, 1963</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR-107-63A</td>
<td>Provide equipment for research entitled &quot;charged colloidal sized particles for propulsion&quot;</td>
<td>360.00</td>
<td>May 1, 1963</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR-328-63</td>
<td>Physics of solids</td>
<td>80478.00</td>
<td>October 1, 1963</td>
</tr>
<tr>
<td>United States Air Force AF 29(601)-585</td>
<td>Development of a model to simulate free field ground motions</td>
<td>100,000.00</td>
<td>February 16, 1963</td>
</tr>
<tr>
<td>United States Air Force AF 30(602)-3446</td>
<td>Submillimeter wave receiver techniques</td>
<td>35,000.00</td>
<td>March 1, 1963</td>
</tr>
<tr>
<td>United States Army DA-31-124-ARO(D)-108</td>
<td>Exploratory basic research in physical sciences</td>
<td>21,500.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2410</td>
<td>Transmission of the common cold to volunteers under controlled conditions</td>
<td>63,114.00</td>
<td>April 1, 1963</td>
</tr>
<tr>
<td>United States Department of Agriculture 12-05-300-53</td>
<td>Agricultural market planning and education in resource development programs</td>
<td>25,000.00</td>
<td>April 25, 1963</td>
</tr>
<tr>
<td>United States Department of Defense OCD-OS-63-61</td>
<td>Conduct a course covering Office of Civil Defense standard fallout shelter analysis curricula plus structural analysis and shelter design</td>
<td>22,500.00</td>
<td>April 22, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-12-064</td>
<td>Provide training to improve the qualifications of personnel engaged in or preparing to engage in the counseling and guidance of students in secondary schools</td>
<td>91,040.00</td>
<td>January 2, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare VRA-63-103</td>
<td>Training specialized personnel to work with the deaf</td>
<td>3,400.00</td>
<td>May 6, 1963</td>
</tr>
<tr>
<td>United States Navy NObar-89229</td>
<td>Radiolocation directed toward system problems</td>
<td>114,509.00</td>
<td>May 21, 1963</td>
</tr>
</tbody>
</table>
### With Whom

- **United States Navy**
  - Nonr-3985 (02)

- **The Upjohn Co.**

### Purpose

- Biophysical and biochemical studies on electric organs and muscle membranes of fish
- Techniques using synthetic progestogens to control ovulation in domestic animals

### Amount to be Paid to the University

- $16,500.00
- $2,530.00

### Effective Date

- February 1, 1963
- June 1, 1963

### Leases

- **International Business Machines Corp.**
  - Intimate Harvester Co.
  - University Place Christian Church

### Purpose

- One keypunch
- Rental of farm machinery, four items: $93.68 to $121.35
- Rental of church organ by School of Music, September 15, 1963, to June 15, 1964

### Amount to be Paid

- $604.80
- $1,092.40
- $1,750.00

### Effective Date

- April 29, 1963
- February and March, 1963
- May 9, 1963

### Contract Changes

- **Illinois Archaeological Survey**
- **Moorman Manufacturing Co.**
- **Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation**
- **United States Air Force**
  - AF 29 (601)-3007
  - AF 33 (616)-6176
  - DA-49-193-MD-2112
- **United States Atomic Energy Commission**
  - AT(11-1)-878
  - AT(11-1)-890
  - AT(11-1)-1198
  - AT(11-1)-1199
- **United States Navy**
  - Nonr-82243
  - Nonr-1244(00)
  - Nonr-1834 (02)
  - Nonr-2947 (02) (X)

### Purpose

- Highway salvage program
- Poultry nutrition
- Behavior of riveted and bolted structural joints
- Analytical study of tunnels in rock
- Interaction of dissolved interstitial atoms with dislocations
- Antiradiation drugs
- Synthetic capacity of irradiated ciliates
- Mechanism of radiation-induced addition of tritium to carbon-carbon double bonds
- Use charge for portion of Materials Research Laboratory used in commission supported research
- Studies of rainout of radioactivity in Illinois
- Wide aperture direct finder system
- Establish program for training in military and disaster medicine
- Development of radio wave direction-finding techniques
- Mechanics of failure in glass fiber reinforced plastics

### Amount to be Paid

- $962.96
- $2,600.00
- $23,000.00
- $15,000.00
- $22,500.00
- $500.00
- $3,500.00
- $11,000.00
- $85,000.00
- $16,000.00
- $120,050.00
- $7,990.00
- $460,000.00
- $60,000.00

### Effective Date

- May 8, 1963
- April 18, 1963
- April 30, 1963
- April 17, 1963
- April 15, 1963
- May 7, 1963
- April 26, 1963
- May 22, 1963
- April 17, 1963
- May 16, 1963
- February 11, 1963
- April 15, 1963
- May 15, 1963
- May 9, 1963

### Adjustments Made in 1962-63 Cost-Plus Contracts

- **Harry F. Fisher**
  - Plastering

### Purpose

- Twenty-two Items: $112,19 deduct to $580.00

### Amount

- $1,910.96

### Effective Date

- April and May, 1963

### Summary

Amount to be paid to the University .......................................................... $1,408,033.96
Amount to be paid by the University ......................................................... $5,958.16

This report was received for record.
PURCHASES

(28) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid. The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University), and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors, and University revolving funds authorized by law.

### Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One automatic x-ray film processing unit, less trade-in of used unit</td>
<td>Radiology, Chicago</td>
<td>Westinghouse Electric Corp., Chicago</td>
<td>$9,722.15 delivered</td>
</tr>
<tr>
<td>Twenty time clocks</td>
<td>Research and Educational Hospitals, Chicago</td>
<td>Simplex Time Recorder, Chicago</td>
<td>$2,950.00 delivered</td>
</tr>
<tr>
<td>One multi-channel pulse analyzer complete with spectrum stripping and read-in of fractional values of recorded spectra and typewriter</td>
<td>Engineering, Undergraduate Division, Chicago Undergraduate Division, Melrose Park</td>
<td>Radiation Instrument Development Lab., Inc., Beaverton, Ore.</td>
<td>$8,520.00 delivered</td>
</tr>
<tr>
<td>Electronic instruments consisting of seven dual trace oscilloscopes, two pulse generators, one signal generator</td>
<td>Engineering, Undergraduate Division, Chicago Undergraduate Division, Melrose Park</td>
<td>Tektronix, Inc., Beaverton, Ore. Oscilloscopes</td>
<td>$7,528.22 f.o.b.</td>
</tr>
<tr>
<td>Electronic instruments consisting of seven dual trace oscilloscopes, two pulse generators, one signal generator</td>
<td>Engineering, Undergraduate Division, Chicago Undergraduate Division, Melrose Park</td>
<td>Hewlett-Packard Co., Inc., Palo Alto, Calif.</td>
<td>$2,550.00 f.o.b. delivered (10,078.22)</td>
</tr>
<tr>
<td>Electronic instruments consisting of seven dual trace oscilloscopes, two pulse generators, one signal generator</td>
<td>Chemical and Engineering, Chicago</td>
<td>Gilson Medical Electronics, Middleton, Wis.</td>
<td>$2,650.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One electrophorator, with extra tank, two racks and lid and coils for extra tank, to be used in research on protein structure in biochemistry</td>
<td>Chemical and Engineering, Chicago</td>
<td>Logan Refrigeration Co., Logan, Utah</td>
<td>$2,889.17 f.o.b. delivered</td>
</tr>
<tr>
<td>One freeze-thaw unit complete with stainless steel cabinet, controls and 1/2 horsepower refrigeration unit</td>
<td>Civil Engineering, Chicago</td>
<td>Wild Heerbrugg Instruments, Inc., Port Washington, N.Y.</td>
<td>$4,194.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Nine stereoscope folding mirrors, including 3x magnification, parallax bars, and wooden carrying cases</td>
<td>Civil Engineering, Chicago</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$4,210.00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One monochromator, double prism, range 200 millimicrons to 20 microns, with slits and illumination optics with accessories to include two sets of dense flint glass prisms, two sets of sodium chloride prisms in mounting cages, and one optical bench for detectors</td>
<td>Mining, Metallurgy, and Petroleum Engineering, Chicago</td>
<td>Southern Illinois Stone Co., Buncombe</td>
<td>$8,460.00 f.o.b. delivered</td>
</tr>
<tr>
<td>3,600 tons crushed rock delivered to Dixon Springs Station during the period July 1, 1963, through June 30, 1964, to be used for various jobs around the Dixon Springs Station</td>
<td>Dixon Springs Station</td>
<td>Southern Illinois Stone Co., Buncombe</td>
<td>$8,460.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Television monitoring system complete with eight picture monitors, mounting brackets, speakers, and audiovisual receiver with station selector for use in the University's Instructional Television program</td>
<td>Instructional Television</td>
<td>Visual Electronics Corp., New York, N.Y.</td>
<td>$3,564.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One conversion kit 7¾ and 15 ips, field installed</td>
<td>Instructional Television</td>
<td>Ampex Corp., Elmhurst</td>
<td>$3,055.00 f.o.b. Redwood City, Calif.</td>
</tr>
<tr>
<td>One video head assembly with 5 mill tips</td>
<td>Instructional Television</td>
<td>National Educational Television and Radio Center, New York, N.Y.</td>
<td>$7,500.00 f.o.b. shipping point</td>
</tr>
</tbody>
</table>
### UNIVERSITY OF ILLINOIS

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eight issues, 1,300 copies per issue, <em>Journal of English and Germanic Philology</em>, trim size 6 in. by 9 in., approximately 192 pages per copy (Note: This purchase will be made from both Appropriated Funds, $8,000.00, and Institutional Funds, $7,928.00, for a total of $15,928.00.)</td>
<td>University Press</td>
<td>George Banta Co., Chicago</td>
<td>$8 000.00</td>
</tr>
<tr>
<td>Print and bind approximately eight issues of <em>Illinois Studies in the Social Sciences</em> during the period July 1, 1963, through June 30, 1965, 1,200 copies per issue, approximately 160 pages per copy</td>
<td>University Press</td>
<td>Pantograph Printing &amp; Stationery Co., Bloomington</td>
<td>17 212 80</td>
</tr>
<tr>
<td>Print and bind approximately six issues of <em>Illinois Studies in Language and Literature</em> during the period July 1, 1963, through June 30, 1965, 1,100 copies per issue, approximately 300 to 600 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Technipress, Inc., Washington, D.C.</td>
<td>13 435 80</td>
</tr>
<tr>
<td>Print and bind approximately four issues of <em>Illinois Biological Monographs</em> during the period July 1, 1963, through June 30, 1965, 1,000 copies per issue, 150 to 400 pages per copy, trim size 6 1/8 in. by 10 in.</td>
<td>Physical Plant, Architectural Division</td>
<td>Nopame, Inc., Galesburg</td>
<td>14 671 32</td>
</tr>
<tr>
<td>Furnish and install 524 auditorium chairs with tablet arms in lecture rooms in the Physics Building, Stage 11</td>
<td>Physical Plant, Auditorium Physical Plant</td>
<td>S. Buckman Furniture &amp; Supply Co., Spring Valley</td>
<td>8 678 23</td>
</tr>
<tr>
<td>Furnish and install 292 upholstered auditorium seats with tablet arms in lecture room in Altgeld Hall, and removal of existing chairs</td>
<td>Various Departments</td>
<td>Petrolane Chief Gas Service, Inc., Urbana Bulk Gas Pyrofax Gas Corp., Urbana Cylinder Gas</td>
<td>8 721 00</td>
</tr>
<tr>
<td>90,000 gallons of liquid propane delivered into bulk storage containers, and 40,000 pounds of liquid propane delivered in 100 pound cylinders, including fourteen 500 water gallon vessels, and service regulators required for proper pressure delivery to gas burning appliances and laboratory apparatus, for the period July 1, 1963, through June 30, 1965</td>
<td>Physical Plant, Boiler Plant</td>
<td>Ingersoll-Rand Co., Chicago</td>
<td>5 790 00</td>
</tr>
<tr>
<td>Repair of damaged rotating element for Model 31HMA-8 Ingersoll-Rand boiler feed pump and will be available as a spare element for emergency replacement in any of the four boiler feed pumps now installed at the Abbott Power Plant (the previous spare element was put into service as a result of a recent breakdown)</td>
<td>Various Departments</td>
<td>Wilmot Castle Co., Rochester, N.Y.</td>
<td>3 405 00</td>
</tr>
<tr>
<td>One gas chromatograph and accessories for freeze-drying tissues and drying spectrographic film</td>
<td>Chromatography, Graduate Research, Chicago</td>
<td>Research Specialties Co., Des Plaines</td>
<td>$3 415 50</td>
</tr>
<tr>
<td>One vacuum evaporator and accessories for freeze-drying tissues and drying spectrographic film</td>
<td>Histology, Chicago</td>
<td>Kinney Vacuum Division (New York Air Brake Co.), La Grange</td>
<td>2 540 70</td>
</tr>
<tr>
<td>One nine-inch image amplifier with cine television attachments, less trade-in of x-ray generator, tube, table, and controls</td>
<td>Medicine, Chicago</td>
<td>Picker X-Ray Corp., Chicago</td>
<td>55 800 00</td>
</tr>
<tr>
<td>One double wall laboratory sterilizer, 16 in. by 16 in. by 24 in.</td>
<td>Preventive Medicine, Chicago</td>
<td>Wilmot Castle Co., Rochester, N.Y.</td>
<td>3 405 00</td>
</tr>
<tr>
<td>One automatic refrigerated centrifuge with rotor</td>
<td>Blood Bank, Chicago</td>
<td>Fisher Scientific Co., Chicago</td>
<td>3 175 00</td>
</tr>
<tr>
<td>500,000 primidone tablets; this is a year's supply of the tablets and anticonvulsant drug used in the treatment of epilepsy</td>
<td>Pharmacy Stores, Chicago</td>
<td>Ayerst Laboratories, Chicago</td>
<td>13 290 00</td>
</tr>
</tbody>
</table>

### Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One gas chromatograph and accessories</td>
<td>Chromatography, Graduate Research, Chicago</td>
<td>Research Specialties Co., Des Plaines</td>
<td>$3 415 50</td>
</tr>
<tr>
<td>One vacuum evaporator and accessories</td>
<td>Histology, Chicago</td>
<td>Kinney Vacuum Division (New York Air Brake Co.), La Grange</td>
<td>2 540 70</td>
</tr>
<tr>
<td>One nine-inch image amplifier with cine television attachments, less trade-in of x-ray generator, tube, table, and controls</td>
<td>Medicine, Chicago</td>
<td>Picker X-Ray Corp., Chicago</td>
<td>55 800 00</td>
</tr>
<tr>
<td>One double wall laboratory sterilizer, 16 in. by 16 in. by 24 in.</td>
<td>Preventive Medicine, Chicago</td>
<td>Wilmot Castle Co., Rochester, N.Y.</td>
<td>3 405 00</td>
</tr>
<tr>
<td>One automatic refrigerated centrifuge with rotor</td>
<td>Blood Bank, Chicago</td>
<td>Fisher Scientific Co., Chicago</td>
<td>3 175 00</td>
</tr>
<tr>
<td>500,000 primidone tablets; this is a year's supply of the tablets and anticonvulsant drug used in the treatment of epilepsy</td>
<td>Pharmacy Stores, Chicago</td>
<td>Ayerst Laboratories, Chicago</td>
<td>13 290 00</td>
</tr>
</tbody>
</table>
Printing of Congress Circle Union Building Revenue Bonds

Linen service for food service departments at the Chicago campuses beginning July 1, 1963, through June 30, 1965

Approximately 84,000 tons of coal screenings to be used by the Medical Center Steam Company plant during the period beginning July 1, 1963, and ending June 30, 1965

Furnish labor and materials to erect one machine shed, pole-frame type, 42 ft. wide and 70 ft. long, on the Allerton Farm No. 4

One sterilizer, laboratory, steam, approximately 20 in. by 20 in. by 36 in., high-vacuum, rapid, with programming-automatic controls (for sterilization of experimental animal diets in a germ-free laboratory)

One 400-channel analyzer including IBM automatic "Read-Out" typewriter with associated controls (this equipment is compatible with existing instrumentation of the K40 whole body scintillation counter which will provide automatic recording of data; reports of animal tissue content will be available approximately twelve months earlier than through the manual counting system presently employed)

Furnish and install twenty farrowing units, each unit to consist of one sow feeder, one creep feeder, one self-washing nursery waterer, one self-washing sow waterer with lid, slotted floor, and mounting stands

Furnish and install one automatic feeding unit complete with hopper motor, time clock, trough, chain, and necessary equipment for a completely mechanized feeding system

Twenty existing farrowing units to be traded in on the above equipment

Four lots (total 617 tons) wheat and/or oat straw

(Notes: This purchase will be made from both Appropriated Funds, $5,042.50, and Institutional Funds, $5,307.50, for a total of $10,350.00.)

Fee for the use of two railway cabooses to transport research equipment and personnel to two remote field stations in Canada from July 6 through July 28, 1963, to conduct a National Science Foundation research program to study the effects of a solar eclipse on atmospheric ionization

Aviation gasoline, 220,000 gallons, 80-87 grade; 265,000 gallons, 91-96 grade; 140,000 gallons, 100-130 grade Aviation turbine fuel, kerosene type, 220,000 gallons

To be delivered as required by the University of Illinois-Willard Airport for the two-year period beginning July 1, 1963 (all quantities are estimates)
### Item

<table>
<thead>
<tr>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institute of Aviation</td>
<td>Streator Air Service, Streator</td>
<td>$5,436.00</td>
</tr>
<tr>
<td>Institute of Aviation</td>
<td>Southwest Air Service Co., St. Louis, Mo.</td>
<td>$5,850.00</td>
</tr>
<tr>
<td>Botany</td>
<td>Vanguard Instrument Co., La Grange</td>
<td>$3,516.00</td>
</tr>
<tr>
<td>Chemistry and Engineering</td>
<td>Jarrell-Ash Co., Newtonville, Mass.</td>
<td>$13,050.00</td>
</tr>
<tr>
<td>Chemistry and Engineering</td>
<td>Applied Physics Corp., Monrovia, Calif.</td>
<td>$13,988.00</td>
</tr>
<tr>
<td>Chemistry and Engineering</td>
<td>Richardson Manufacturing Co., Springfield</td>
<td>$16,835.00</td>
</tr>
<tr>
<td>Chemistry and Engineering</td>
<td>Perkin-Elmer Corp., Norwalk, Conn.</td>
<td>$18,972.00</td>
</tr>
<tr>
<td>General Chemical Stores</td>
<td>Mallinckrodt Chemical Works, St. Louis, Mo.</td>
<td>$12,371.60</td>
</tr>
<tr>
<td>General Chemical Stores</td>
<td>General Chemical Division, Allied Chemical Corp., Chicago</td>
<td>$22,218.55</td>
</tr>
<tr>
<td>Digital Computer Laboratory</td>
<td>Methode Electronics, Inc., Chicago</td>
<td>$9,125.00</td>
</tr>
<tr>
<td>Digital Computer Laboratory</td>
<td>Texas Instruments, Inc., St. Louis, Mo.</td>
<td>$5,750.00</td>
</tr>
<tr>
<td>Digital Computer Laboratory</td>
<td>Deeco, Inc., Cedar Rapids, Iowa</td>
<td>$3,013.00</td>
</tr>
</tbody>
</table>

### Cost Details

- **1,904 pints acetone reagent grade; 8,488 pints methyl alcohol anhydrous reagent; 6,144 pints chloroform reagent; 10,080 lbs. ether anhydrous reagent in one-pound cans; 2,160 lbs. ether USP in five-pound cans**: An estimated one-year's supply in the General Chemical Stores, to be shipped on a monthly basis in quantities of one-twelfth of the above amounts.

- **7,000 lbs. acetic acid reagent; 20,000 lbs. hydrochloric acid reagent; 12,000 lbs. nitric acid reagent; 35,000 lbs. sulphuric acid reagent; 8,000 lbs. ammonium hydrochloric acid technical; 4,900 lbs. inhibited muriatic acid; 8,400 lbs. acetic acid glacial**: Quantities indicate an estimated need for the period July 1, 1963, through June 30, 1965, to be purchased in minimum 20,000 lb. truck load quantities.

- **2,500 connectors, taper pin printed circuit, with 44-pin contacts**

- **1,000 transistors, germanium mesa type S-166**

- **Transistors:**
  - 500 type 2N11305
  - 300 type 2N11306
  - 3000 type 2N1308
  - 1000 type 2N1309
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,000 capacitors, monolithic, layer-build ceramic, 0.47 mfd, 45 volts, plus or minus 20 per cent tolerance</td>
<td>Digital Computer Laboratory</td>
<td>Sprague Electric Co., Chicago</td>
<td>$3,450 00</td>
</tr>
<tr>
<td>One power supply, D.C., 0-36 volts at 1 amp, line regulation ±0.0002 per cent or 10 microvolts; load regulation ±0.0005 per cent or 10 microvolts; transient response 25 nanoseconds or less; voltage protection and temperature protection complete with indicators</td>
<td>Digital Computer Laboratory</td>
<td>Krohn-Hite Corp., 554 N. Hugh Marland &amp; Co., Chicago</td>
<td>$2,550 00</td>
</tr>
<tr>
<td>One spectrophotometer, infrared double beam with one external source optical assembly and one external detector optical assembly, to be used in semi-conductor research on P-N junction lasers</td>
<td>Electrical Engineering</td>
<td>Beckman Instruments, Inc., Lincolnwood</td>
<td>19,044 00</td>
</tr>
<tr>
<td>Components for electronic cursor and automatic readout systems for spinning goniometer receiving system, consisting of: six encoders, incremental, miniature, optical type, negative output polarity; three dual readouts; two power supplies, output-18 volts D.C. and +600 volts D.C., three power supplies, output +12V, -12V, +5V, and D.C.; and two encoders, optical type, negative output polarity, flash to interrogate, direct reading</td>
<td>Electrical Engineering</td>
<td>Wayne-George Corp., Newton, Mass.</td>
<td>11,640 00</td>
</tr>
<tr>
<td>One special goniometer system for use in electrical engineering radiolocation research in conjunction with a U.S. Navy research contract</td>
<td>Electrical Engineering</td>
<td>Adams-Russell Co., Inc., Waltham, Mass.</td>
<td>87,945 00</td>
</tr>
<tr>
<td>1,600 sets (approximately) fifty prints per set Student Personal Data Sheets, 8½ in. by 11 in., as needed during the period July 1, 1963, through June 30, 1965</td>
<td>College of Engineering Placement Office</td>
<td>Interstate Printers &amp; Publishers, Inc., Danville</td>
<td>4,800 00</td>
</tr>
<tr>
<td>Examinations and technical grading service, special graduate record types, for the period July 1, 1963, through June 30, 1965; based on current use plus a 10 per cent enrollment increase, the quantities are estimated as follows: 1,800 aptitude tests, 18 advanced tests, 820 advanced and aptitude tests</td>
<td>Graduate College</td>
<td>Educational Testing Service, Princeton, N.J.</td>
<td>8,262 00</td>
</tr>
<tr>
<td>Print and bind eight issues of Library Trends, approximately 4,500 copies per issue, approximately 96 pages per copy, trim size 6 in. by 9 in.</td>
<td>Graduate School of Library Science</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>16,771 40</td>
</tr>
<tr>
<td>Eight issues, 2,800 copies per issue, University of Illinois Law Forum, approximately 176 pages per issue, trim size 7 in. by 10½ in.</td>
<td>College of Law</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>21,209 20</td>
</tr>
<tr>
<td>Accessory items for Hitachi HU-11 electron microscope: six stereo specimen holders, one tilting and rotating stage with built-in anticontamination devices and new specimen chamber, one Wehnelt cylinder</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>Erb &amp; Gray Scientific, La Grange</td>
<td>4,491 32</td>
</tr>
<tr>
<td>One special mass spectrometer for analysis of trace impurities in solids, high sensitivity and resolution, with facilities for recording mass spectra or photographic plates as well as electronic recording</td>
<td>Physics</td>
<td>Picker X-Ray Corp., Chicago</td>
<td>86,600 00</td>
</tr>
<tr>
<td>One lathe, plain bed, removable gap, 17 in. by 78 in. centers, 10 ft. 3 in. bed to be used by the Physics Department in the new Materials Research Laboratory</td>
<td>Physics</td>
<td>The R. K. LeBlond Machine Tool Co., Oak Park</td>
<td>8,271 65</td>
</tr>
<tr>
<td>One lathe, tool room, high speed, high precision, small capacity, to be used in Materials Research Laboratory</td>
<td>Physics</td>
<td>Hardinge Brothers, Inc., Chicago</td>
<td>7,279 50</td>
</tr>
</tbody>
</table>
1963]

UNIVERSITY OF ILLINOIS

<table>
<thead>
<tr>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>Linde Co., Chicago</td>
<td>$42,654.00</td>
</tr>
<tr>
<td>Physics</td>
<td>Monrovia, Calif.</td>
<td>$18,915.00</td>
</tr>
<tr>
<td>Physics</td>
<td>Technical Measurements Corp., North Haven, Conn.</td>
<td>$10,375.00</td>
</tr>
<tr>
<td>Physics</td>
<td>Burroughs Corp., Champaign</td>
<td>$8,753.00</td>
</tr>
<tr>
<td>Veterinary Medicine</td>
<td>Holmes Serum Co., Inc., Springfield</td>
<td>$12,500.00</td>
</tr>
<tr>
<td>Veterinary Medicine</td>
<td>Consolidated Electrodynamics Corp., Pasadena, Calif.</td>
<td>$4,258.00</td>
</tr>
<tr>
<td>Zoolody</td>
<td>Mikros, Inc., Portland, Ore.</td>
<td>$2,853.00</td>
</tr>
<tr>
<td>University of Illinois Committee on School Mathematics</td>
<td>Varityper Corp., Subsidiary of Addressograph-Multigraph Corp., Peoria</td>
<td>$3,223.00</td>
</tr>
<tr>
<td>Dixon Springs Station</td>
<td>Thane Building Service Co., Metropolis</td>
<td>$6,746.00</td>
</tr>
<tr>
<td>Housing Division</td>
<td>Rockford Furniture Associates, Austin, Texas</td>
<td>$13,747.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
</tr>
</thead>
<tbody>
<tr>
<td>600,000 liters (estimated) high purity liquid nitrogen (lamp grade 99.9 per cent pure) for the biennium July 1, 1963, through June 30, 1965, including one storage vessel of 5,280 gallon capacity, company owned and maintained, to be supplied on a no charge basis; this commodity is used in various manners, for research primarily in the Physics and Chemistry Departments; however, other departments use liquid nitrogen for freezing specimens, preserving foods, and in gaseous electronics</td>
<td>Physics</td>
<td>Applied Physics Corp., Monrovia, Calif.</td>
</tr>
<tr>
<td>One spectrophotometer, recording with range of 1860A, 0.0001 per cent scattered light, marker pen, power supply detectors, five rolls of chart paper and detector cells for use in Physics Department studies of the color centers in the alkali halides</td>
<td>Physics</td>
<td>Technical Measurements Corp., North Haven, Conn.</td>
</tr>
<tr>
<td>One 400-channel, transistorized pulse height analyzer with three-inch output display oscilloscope, having multichannel scaler operation and both linear and logarithmic display, with provisions for plug-in paper punch system, as well as spectrum resolving equipment</td>
<td>Physics</td>
<td>Burroughs Corp., Champaign</td>
</tr>
<tr>
<td>One mass spectrometer (helium leak detector) with mobile work stand, nitrogen trap capable of holding a 24-hour supply of liquid nitrogen, and an audio alarm system, to be used for detecting leaks in high and ultrahigh vacuum systems in the Physics Laboratories</td>
<td>Physicians</td>
<td>Holmes Serum Co., Inc., Springfield</td>
</tr>
<tr>
<td>2,500 cases (approximately) canine food, special dietary, for the period July 1, 1963, through June 30, 1965</td>
<td>Veterinary Medicine</td>
<td>Holmes Serum Co., Inc., Springfield</td>
</tr>
<tr>
<td>One vacuum evaporator, automatically controlled with attachment for freeze-dry apparatus and cold cathode discharge gauge for measurement of vacuum to $2 \times 10^{-8}$, to be used in preparing specimens for use with an electron microscope</td>
<td>Zoology</td>
<td>Mikros, Inc., Portland, Ore.</td>
</tr>
<tr>
<td>One composing machine, electric, office type</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>Varityper Corp., Subsidiary of Addressograph-Multigraph Corp., Peoria</td>
</tr>
<tr>
<td>One steel table for the composing machine</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>Varityper Corp., Subsidiary of Addressograph-Multigraph Corp., Peoria</td>
</tr>
<tr>
<td>Eight type fonts</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>Varityper Corp., Subsidiary of Addressograph-Multigraph Corp., Peoria</td>
</tr>
<tr>
<td>Furnish photographic laboratory services for the period of July 1, 1963, through June 30, 1965, as follows: Process 100,000 ft. 16 m.m. black and white reversal film</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>Varityper Corp., Subsidiary of Addressograph-Multigraph Corp., Peoria</td>
</tr>
<tr>
<td>Make 100,000 ft. 16 m.m. black and white reversal workprints</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>Varityper Corp., Subsidiary of Addressograph-Multigraph Corp., Peoria</td>
</tr>
<tr>
<td>Make color internegative and answer print from 3,000 ft. A-B Ektachrome original and make 3,000 ft. color prints from internegatives</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>Varityper Corp., Subsidiary of Addressograph-Multigraph Corp., Peoria</td>
</tr>
<tr>
<td>Construction of greenhouse facility at Dixon Springs Station consisting of the following sections: One 20 ft. by 60 ft. head house (main structure including office area and storage facilities)</td>
<td>Dixon Springs Station</td>
<td>Thane Building Service Co., Metropolis</td>
</tr>
<tr>
<td>One 20 ft. by 48 ft. greenhouse</td>
<td>Dixon Springs Station</td>
<td>Thane Building Service Co., Metropolis</td>
</tr>
<tr>
<td>One 10 ft. by 10 ft. Connecting workrooms</td>
<td>Dixon Springs Station</td>
<td>Thane Building Service Co., Metropolis</td>
</tr>
<tr>
<td>235 student desks, to be used in the housing units of Orchard Downs Addition</td>
<td>Housing Division</td>
<td>Rockford Furniture Associates, Austin, Texas</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>Item</td>
<td>Housing Division</td>
<td>Associated Service and Supply Co., Chicago</td>
</tr>
<tr>
<td>Furniture for 131 family housing units (one-bedroom and two-bedroom) in the Orchard Downs Addition as follows:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>235 headboard beds with metal bed frames</td>
<td>Housing Division</td>
<td>The Englander Co., Chicago</td>
</tr>
<tr>
<td>131 chests, five-drawer, with plastic tops</td>
<td>Housing Division</td>
<td>Frigidaire Sales Corp., Chicago</td>
</tr>
<tr>
<td>131 tables, dining</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1660 chairs, dining, with upholstered seats</td>
<td></td>
<td></td>
</tr>
<tr>
<td>164 sofa-bed combination units with storage drawer for the Orchard Downs Addition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>126 refrigerators, total capacity approximately 9 cubic feet, food compartment capacity approximately 8 cubic feet, freezer chest capacity approximately 1 cubic foot, with two ice trays and one hydrator, non-automatic defrost, to be installed in Orchard Downs units which are being converted from single student housing to married student housing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twelve sofas, 72 in., no arms, upholstered</td>
<td>Housing Division</td>
<td>L. B. Herbst Corp., Chicago</td>
</tr>
<tr>
<td>Twelve benches, 60 in., upholstered</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To be used in Peabody Drive and Gregory Drive Men's Residence Halls</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60 1/4 dozen tablecloths ranging in size from 54 in. by 92 in. to 72 in. by 220 in., damask, ivy pattern, permanent finish, cotton</td>
<td>Illini Union Food Service</td>
<td>William Liddell &amp; Co., Inc., New York, N.Y.</td>
</tr>
<tr>
<td>100 dozen napkins, 22 in. by 22 in., damask, ivy pattern, permanent finish, cotton</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Food handling equipment, aluminum, as follows:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twenty food storage containers with lids</td>
<td>Illini Union Food Service</td>
<td>Twin City Equipment Co., Champaign</td>
</tr>
<tr>
<td>Twelve dredges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eighteen dozen pie and cake pans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three dozen loaf pans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Six urn cups</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thirty-four dozen baking pans and roasters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Six slicers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>175 (15 per cent more or less) uniforms for Army Advanced R.O.T.C. students</td>
<td>Military Property Custodian</td>
<td>Murray's Uniform Co., St. Louis, Mo.</td>
</tr>
<tr>
<td>138 (15 per cent more or less) uniforms for Air Force Advanced R.O.T.C. students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For use during 1963-64 academic year; students to be measured and fitted on the Urbana campus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Print and bind approximately six issues of <em>Illinois Studies in Anthropology</em> during the period of July 1, 1963, through June 30, 1965, 2,000 copies per issue, approximately 500 to 900 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
</tr>
<tr>
<td>One duplicator, offset, to accept stock 11 in. by 14 in., to be equipped with double sheet eliminator, automatic sheet counter, chrome-plated master cylinder and impression cylinder, chain delivery, receding stacker, and equipped with a color printing head to provide for printing two colors simultaneously</td>
<td>Print Shop</td>
<td>Addressograph-Multigraph Corp., Peoria</td>
</tr>
<tr>
<td>Photoengraving service for the Print Shop for the period of July 1, 1963, through June 30, 1965, to include copper and zinc half-tone engravings (re-etched as necessary) zinc benday and line etchings; all cherry wood mounted and dressed for immediate press use, including consultation, pickup and delivery services</td>
<td>Print Shop</td>
<td>G. R. Grubb &amp; Co., Champaign</td>
</tr>
</tbody>
</table>
150 steel bookshelf units, each 36 in. wide by 9 3/4 in. deep by 84 in. high

Laboratory gases as required by various Urbana departments for the period July 1, 1963, through June 30, 1965, in the following estimated quantities:
- Oxygen — 462,276 cubic feet
- Acetylene — 59,810 cubic feet
- Nitrogen, High Purity Dry — 347,456 cubic feet
- Nitrogen, Commercial — 33,600 cubic feet
- Helium — 15,640 cubic feet
- Hydrogen — 357,504 cubic feet
- Argon — 62,280 cubic feet
Compressed Air — 12,760 cubic feet

Approximately 500,000 pounds of dry ice for use in research laboratories as required for the period from July 1, 1963, through June 30, 1965

Gasoline, fuel oil, and solvent to be furnished to various University departments as requested during the two-year period July 1, 1963, through June 30, 1965

Rental service for the two-year period July 1, 1963, through June 30, 1965, for Illini Union, Residence Halls, and Home Economics cafeteria for the following items:
- 100,000 coats, military collar, white
- 170,000 aprons, bib and waist type, white
- Uniform and linen rental services for estimated 36,822 pieces of gowns, aprons, shirts, trousers, jackets, bed and hand linens, and industrial covers for the two-year period July 1, 1963, through June 30, 1965

Laundry services for various University departments for the period July 1, 1963, through June 30, 1965 as follows:
Group I — general laundry services for all departments except the Physical Education schools
Group II — laundry services for Physical Education schools

(Note: This purchase will be made from both Appropriated Funds, $26,208.72, and Institutional Funds, $165,463.64, for a total of $191,672.36.)

Roller towel rental service (dispensing cabinets included) for the period July 1, 1963, through June 30, 1965, 60,000 (approximately) rolls, fifty yards each

Two pumps, duplex, automatic return line vacuum heating, large volume air removal, complete with two two-horsepower motors and controls with each unit

Furnish and install fire resistant acoustical tile in 35 rooms in David Kinley Hall (15), Lincoln Hall (9), Chemistry Annex (5), and English Building (6)

900 each (approximately) fixtures, fluorescent, lighting for two 40-watt lamps and four 60-watt lamps
1,400 each (approximately) louvers, plastic, cube and prism type for above fixtures
1,950 each (approximately) hangers, single stem, for above fixtures
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large lamps (incandescent, fluorescent, mercury) and photographic</td>
<td>Physical Plant</td>
<td>Tepper Electric Supply Co.</td>
<td>$152,343.75</td>
</tr>
<tr>
<td>lamps (projection, photoflash, exciter) to be ordered as required</td>
<td></td>
<td>Champaign</td>
<td>310,00 f.o.b. delivered</td>
</tr>
<tr>
<td>for all three campuses during the period July 1, 1963, through June 30, 1965</td>
<td></td>
<td>B. &amp; M. Electrical</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Distributing Co., Rock</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Island Photographic lamps</td>
<td></td>
</tr>
<tr>
<td>332 (approximately) batteries, wet storage, of various standard</td>
<td>Physical Plant</td>
<td>Montgomery Ward &amp; Co.,</td>
<td>3719.00 f.o.b. delivered</td>
</tr>
<tr>
<td>types and sizes for automotive and laboratory use to be purchased</td>
<td></td>
<td>Urbana</td>
<td></td>
</tr>
<tr>
<td>as required during the two-year period July 1, 1963, through June 30, 1965</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,400 (approximately) oil specimens to be analyzed for motor</td>
<td>Physical Plant</td>
<td>Faber Laboratories, Chicago</td>
<td>4,416.00 f.o.b. delivered</td>
</tr>
<tr>
<td>vehicle fleet operation during the period July 1, 1963, through June 30, 1965</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lumber, miscellaneous, for the one-year period July 1, 1963, through</td>
<td>Physical Plant</td>
<td>Storeroom</td>
<td>20,028.26 f.o.b. delivered</td>
</tr>
<tr>
<td>June 30, 1964, in the following estimated quantities projected on</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>current usage: 50,000 bd. ft. No. 3 spruce</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74,000 bd. ft. construction fir</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13,000 bd. ft. “C” select ponderosa or sugar pine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,550 bd. ft. fir flooring, clear, edge grain</td>
<td>Physical Plant</td>
<td>Long Lumber Co., Urbana</td>
<td>12,712.66 f.o.b. delivered</td>
</tr>
<tr>
<td>Plywood, Douglas Fir, for one-year period July 1, 1963, through June 30, 1964, as follows:</td>
<td>Physical Plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>123 sheets exterior A-A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>185 sheets exterior A-B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,890 sheets interior A-B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>450 sheets interior A-D</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>250 sheets interior C-D</td>
<td>Physical Plant</td>
<td>Somers-Barr Co., Inc.,</td>
<td>3,900.00 f.o.b. delivered</td>
</tr>
<tr>
<td>3,000 tons (approximately) sand, trench backfill, as required from July 1, 1963, through June 30, 1965, to be used by Physical Plant Department for various jobs around the Urbana campus</td>
<td>Physical Plant</td>
<td>Urbana</td>
<td></td>
</tr>
<tr>
<td>400 yards (approximately) concrete, ready mixed for two-year</td>
<td>Physical Plant</td>
<td>Alpha Material &amp; Fuel Co.,</td>
<td>6,510.00 f.o.b. delivered</td>
</tr>
<tr>
<td>period July 1, 1963, through June 30, 1965, to be obtained as</td>
<td></td>
<td>Champaign</td>
<td></td>
</tr>
<tr>
<td>needed by Physical Plant Department for various jobs around the</td>
<td>Physical Plant</td>
<td>Odman-Hecker &amp; Co., Inc.,</td>
<td>3,910.75 f.o.b. delivered</td>
</tr>
<tr>
<td>Urbana campus</td>
<td></td>
<td>Urbana</td>
<td></td>
</tr>
<tr>
<td>18,100 (approximately) building blocks, concrete and haydite, for</td>
<td>Physical Plant</td>
<td>Long Lumber Co.,</td>
<td>5,134.80 f.o.b. delivered</td>
</tr>
<tr>
<td>two-year period, for use by Physical Plant Department for various</td>
<td></td>
<td>Champaign</td>
<td></td>
</tr>
<tr>
<td>jobs on the Urbana campus</td>
<td>Physical Plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building materials as required by the Physical Plant Department in</td>
<td>Storeroom</td>
<td></td>
<td></td>
</tr>
<tr>
<td>small quantities, for one year from July 1, 1963, as follows:</td>
<td>Physical Plant</td>
<td>Harold D. Smith Trucking,</td>
<td>16,200.00 f.o.b. delivered</td>
</tr>
<tr>
<td>800 sheets tapered edge wallboard</td>
<td></td>
<td>Camargo</td>
<td></td>
</tr>
<tr>
<td>229 sheets asbestos board</td>
<td>Physical Plant</td>
<td>Alpha Material &amp; Fuel Co.,</td>
<td>2,646.00 f.o.b. delivered</td>
</tr>
<tr>
<td>100 sheets pressed fibre board</td>
<td></td>
<td>Champaign</td>
<td></td>
</tr>
<tr>
<td>100 sheets insulation board</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>320 sheets tempered hardboard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50 sheets tempered pegboard</td>
<td>Physical Plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6,000 tons (approximately) crushed rock, class X, to be obtained</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>as needed by Physical Plant Department for various jobs on Urbana</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>campus over a two-year period</td>
<td>Physical Plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,000 tons (approximately) crushed rock, class X, to be obtained</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>as needed by Physical Plant Department for various jobs on Urbana</td>
<td>Physical Plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>campus during period July 1, 1963, through June 30, 1965</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### UNIVERSITY OF ILLINOIS

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>350 tons (approximately) road patching material, sub-class 1-11 surface course mixture, to be used by Physical Plant Department for patching jobs on the Urbana campus over two-year period</td>
<td>Physical Plant</td>
<td>Champaign Asphalt Co., Champaign</td>
<td>$3,500 00 f.o.b. Champaign</td>
</tr>
<tr>
<td>256,000 tons (plus or minus 20 per cent) coal screenings to be purchased and delivered as needed to Abbott Power Plant for the two-year period from July 1, 1963, through June 30, 1965</td>
<td>Physical Plant</td>
<td>V-Day Coal Co., Danville</td>
<td>$270 000 00</td>
</tr>
<tr>
<td>350 tons bulk rock salt</td>
<td>Physical Plant</td>
<td>Republic Coal &amp; Coke Co., Chicago</td>
<td>$761 280 00</td>
</tr>
<tr>
<td>256 OW tons (plus or minus 20 per cent) screenings to be purchased and delivered as needed to Abbott Power Plant for the two-year period from July 1, 1963, through June 30, 1965</td>
<td>Physical Plant</td>
<td>Bell &amp; Zoller Coal Co., Chicago</td>
<td>$204 000 00 f.o.b. Champaign</td>
</tr>
<tr>
<td>240.000 00</td>
<td>Republic Coal &amp; Coke Co., Chicago</td>
<td></td>
<td></td>
</tr>
<tr>
<td>123 00</td>
<td>Bell &amp; Zoller Coal Co., Chicago</td>
<td></td>
<td></td>
</tr>
<tr>
<td>158 00</td>
<td>Bell &amp; Zoller Coal Co., Chicago</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17 545 00 f.o.b. delivered</td>
<td>Physical Plant, Housing Division, and Illini Union</td>
<td>Cargill, Inc., La Salle</td>
<td></td>
</tr>
<tr>
<td>66 848 50 f.o.b. delivered</td>
<td>Physical Plant, Urbana and Chicago</td>
<td>Randolph Paper Co., Chicago</td>
<td></td>
</tr>
<tr>
<td>4 998 00 f.o.b. delivered</td>
<td>Physical Plant</td>
<td>Coleman &amp; Associates, Rockford</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eight sedans, 1963 model, four-door with V-8 engine, automatic transmission (Group 1) less trade-in of eight 1961 sedans</td>
<td>Physical Plant</td>
<td>University Ford, Champaign</td>
</tr>
<tr>
<td></td>
<td>Three sedans, 1963 model, compact, four-door with six-cylinder, automatic transmission (Group 2) less trade-in of three 1961 sedans</td>
<td>Physical Plant</td>
<td>Rossetter Motor Co., Peoria</td>
</tr>
<tr>
<td></td>
<td>One sedan, 1963 model, four-door with V-8 engine, automatic transmission, power steering and brakes, police car (Group 3) less trade-in of one 1962 sedan</td>
<td>Physical Plant</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were authorized.

### JULY AND AUGUST MEETINGS

The Board has previously considered changing the date of its regular July meeting, and President Clement inquired if the Trustees wish to take any action at this time. He also asked if the Board desires to hold a regular meeting in August.

On motion of Mr. Swain, the Board voted to change the date of its regular July meeting from Wednesday, July 17, to Tuesday, July 2, 1963, this meeting to be held in Chicago.

On motion of Mr. Johnston, the Board voted to change the date of its August meeting from Wednesday, August 21, to Thursday, August 1, 1963, to be held in Chicago, with the understanding that if the volume of business does not justify holding a meeting of the full Board, the President will order it cancelled and will call a meeting of the Executive Committee which the other Trustees will be invited to attend.

President Clement reminded the Board that its regular September meeting will be held on Wednesday, September 18, 1963, and that this meeting should be held in Urbana.
The Secretary presented for record the following lists of degrees conferred on candidates at the Medical Center campus on June 7, 1963, and on the other dates indicated, and on candidates at the Urbana-Champaign campus on June 15, 1963, in accordance with the authorization of the Board of Trustees.

Summary

Honorary Degrees, conferred at Urbana:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Laws</td>
<td>1</td>
</tr>
<tr>
<td>Doctor of Science</td>
<td>3</td>
</tr>
<tr>
<td>Total, Honorary Degrees</td>
<td>(4)</td>
</tr>
</tbody>
</table>

Degrees in the Graduate College, conferred at Urbana:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Philosophy</td>
<td>146</td>
</tr>
<tr>
<td>Doctor of Education</td>
<td>8</td>
</tr>
<tr>
<td>Doctor of Business Administration</td>
<td>1</td>
</tr>
<tr>
<td>Master of Arts</td>
<td>146</td>
</tr>
<tr>
<td>Master of Science</td>
<td>346</td>
</tr>
<tr>
<td>Master of Music</td>
<td>10</td>
</tr>
<tr>
<td>Master of Education</td>
<td>88</td>
</tr>
<tr>
<td>Master of Social Work</td>
<td>29</td>
</tr>
<tr>
<td>Master of Fine Arts</td>
<td>6</td>
</tr>
<tr>
<td>Master of Accounting Science</td>
<td>7</td>
</tr>
<tr>
<td>Master of Architecture</td>
<td>4</td>
</tr>
<tr>
<td>Master of Comparative Law</td>
<td>1</td>
</tr>
<tr>
<td>Master of Commerce</td>
<td>2</td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>5</td>
</tr>
<tr>
<td>Advanced Certificate in Education</td>
<td>16</td>
</tr>
<tr>
<td>Total, Graduate College</td>
<td>(815)</td>
</tr>
</tbody>
</table>

Degrees in Law, conferred at Urbana:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Laws</td>
<td>49</td>
</tr>
</tbody>
</table>

Degrees in Veterinary Medicine, conferred at Urbana:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science</td>
<td>26</td>
</tr>
<tr>
<td>Doctor of Veterinary Medicine</td>
<td>31</td>
</tr>
<tr>
<td>Total, Veterinary Medicine</td>
<td>(57)</td>
</tr>
</tbody>
</table>

Baccalaureate Degrees, conferred at Urbana:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science, College of Agriculture</td>
<td>170</td>
</tr>
<tr>
<td>Bachelor of Science, College of Engineering</td>
<td>339</td>
</tr>
<tr>
<td>Bachelor of Arts, College of Liberal Arts and Sciences</td>
<td>417</td>
</tr>
<tr>
<td>Bachelor of Science, College of Liberal Arts and Sciences</td>
<td>252</td>
</tr>
<tr>
<td>Bachelor of Science, College of Education</td>
<td>174</td>
</tr>
<tr>
<td>Bachelor of Science, College of Commerce and Business</td>
<td>296</td>
</tr>
<tr>
<td>Bachelor of Science, College of Journalism and Communications</td>
<td>53</td>
</tr>
<tr>
<td>Bachelor of Architecture, College of Fine and Applied Arts</td>
<td>68</td>
</tr>
<tr>
<td>Bachelor of Fine Arts, College of Fine and Applied Arts</td>
<td>69</td>
</tr>
<tr>
<td>Bachelor of Music, College of Fine and Applied Arts</td>
<td>6</td>
</tr>
<tr>
<td>Bachelor of Science, College of Fine and Applied Arts</td>
<td>40</td>
</tr>
<tr>
<td>Bachelor of Science, College of Physical Education</td>
<td>49</td>
</tr>
<tr>
<td>Total, Baccalaureate Degrees</td>
<td>(1,933)</td>
</tr>
<tr>
<td>Total, Degrees Conferred at Urbana</td>
<td>(2,858)</td>
</tr>
</tbody>
</table>

Honorary Degrees, conferred at Chicago:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Science</td>
<td>1</td>
</tr>
</tbody>
</table>

Degrees in the Graduate College, conferred at Chicago:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Philosophy</td>
<td>17</td>
</tr>
<tr>
<td>Master of Science</td>
<td>37</td>
</tr>
<tr>
<td>Total, Graduate College</td>
<td>(54)</td>
</tr>
</tbody>
</table>
Degrees in Dentistry, conferred at Chicago:

Bachelor of Science .................................................. 49
Doctor of Dental Surgery ........................................... 78
Total, Dentistry ....................................................... (127)

Degrees in Medicine, conferred at Chicago:

Bachelor of Science in Occupational Therapy ...................... 10
Doctor of Medicine .................................................... 192
Total, Medicine ....................................................... (202)

Degrees in Nursing, conferred at Chicago:

Bachelor of Science .................................................. 29

Degrees in Pharmacy, conferred at Chicago:

Bachelor of Science .................................................. 132
Total, Degrees Conferred at Chicago ................................ (545)
Total, Urbana and Chicago .......................................... 3,403

Degrees Conferred at Urbana

HONORARY DEGREES

Degree of Doctor of Laws

Degree of Doctor of Science
GEORGE WELLS BEADLE, Ph.D., D.Sc.
CARL SHIPP MARVEL, Ph.D., D.Sc.
CLARENCE SAMUEL ROSS, Ph.D.

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Accountancy
ALFRED RAPPAPORT, B.B.A., Western Reserve University, 1954; M.S., 1961

In Agricultural Economics
HIROSHI NAKAMURA, A.B., Tokyo University of Foreign Studies, 1954
LeROY FRANCIS ROGERS, B.S., California State Polytechnic College, 1954; M.S., Oregon State College, 1958
PEDRO R. SANDOVAL, B.S., University of the Philippines, 1946; M.S., University of Minnesota, 1956
HERBERT HORST STOEVENEN, B.S., Cornell University, 1958; M.S., 1962

In Agronomy
JALMER JOHN JOKELA, B.S., M.S., University of Minnesota, 1947, 1951

In Animal Nutrition
CHITRA SEN BISWAS, B.S., M.S., University of Calcutta, 1956, 1959
JAMES DAVID ERFILE, B.S.A., M.S., University of Saskatchewan, 1957, 1959

In Biophysics
HIROSHI MIZUKAMI, A.B., International Christian University, 1957

In Botany
ELMER BURTON HADLEY, A.B., University of California (Santa Barbara), 1958; M.S., 1960
VERN AUGUST McMAHON, B.S., St. Cloud State College, 1957; M.S., 1959
IKUKO FUKUDA MIZUKAMI, A.B., International Christian University, 1957; M.S., 1958
In Business
GEORGE DAOUD KANAWATY, B.S., Alexandria University, 1950; M.S., 1961
CLARENCE ALBERT SIMS, B.S., M.S., 1942, 1946
DON ROBERT WEBB, B.S., M.S., University of Missouri, 1952, 1958

In Ceramic Engineering
HUBERT RICHARD THORNTON, B.S., M.S., Alfred University, 1954, 1957

In Chemical Engineering
BILLY MONROE RIGGLEMAN, B.S., West Virginia University, 1959; M.S., 1961
PAUL VAN SHAW, B.S., M.S., University of Nebraska, 1957, 1960
CLYDE QUITMAN SHEELY, Jr., B.S., Mississippi State University, 1959; M.S., 1961
ROBERT ANTON STAGER, B.A.Sc., A.M., University of Toronto, 1959, 1960

In Chemistry
ROBERT HANEN CARNIGHAN, A.B., Kenyon College, 1959
JOHN TIMOTHY DONOHUE, B.S., M.S., University of Massachusetts, 1958, 1960
JAMES LORAN FOGHT, B.S., University of Akron, 1958; M.S., 1960
CARLTON DAN FOOTE, A.B., Central College, 1957
PATRICK EDWARD GIURE, B.S., University of Arkansas, 1958
ALEXANDER KEITH JAMESON, B.S., B.E.S., M.S., Brigham Young University, 1956, 1957, 1957
THOMAS HERBERT KINSTLE, A.B., Bowling Green State University, 1958
BRUCE HOLMES KLANDERMAN, A.B., Calvin College, 1959; M.S., 1961
THOMAS WILLIAM KOENIG, B.S., Southern Methodist University, 1959; M.S., 1961
DAVID LEE LYDY, A.B., Indiana University, 1958
CHARLES DEAN MITCHELL, A.B., Monmouth College, 1957; M.S., 1961
BEULAH MARIE WOODFIN, A.B., Vanderbilt University, 1958; M.S., 1960

In Civil Engineering
PETER KUANG-HSUN DAI, B.S., Taiwan Provincial Cheng Kung University, 1957; M.S., 1960
GEORGE WATKINS GREENWOOD, B.S., University of Maine, 1951; M.S., 1960
GOIN NEIL HARPER, B.S., Massachusetts Institute of Technology, 1959; M.S., 1961
PEDRO JIMENEZ QUIÑONES, B.S., University of Puerto Rico, 1952; M.S., 1957
KAMRAN MAJIDZADEH, Diploma, Teheran University, 1959; M.S., 1960
JOHN DONALD PETERS, B.S., M.S., 1956, 1960
HEDLEY EDMUND HERBERT ROY, B.A.Sc., University of Toronto, 1955; M.S., 1960
MORTIMER DANIEL VANDERBILT, B.S., Ohio University, 1957; M.S., 1961
RICHARD EARL WOODRING, B.S., Drexel Institute of Technology, 1954; M.S., 1956

In Communications
JEAN PRANINSKAS, A.B., New York University, 1948; A.M., University of Michigan, 1950

In Dairy Technology
MICHAEL EDGEcombe STILES, B.S., M.S., University of Natal, 1957, 1959

In Economics
MICHAEL EDWARD DE PRANO, A.B., Northwestern University, 1955
JOSEPH VAN FENSTERMAKER, B.S., A.M., Kent State University, 1958, 1959
ADOLPH EMANUEL MARK, A.B., De Paul University, 1950; A.M., University of Michigan, 1954
EDWARD DONALD ONANIAN, A.B., Brown University, 1958; A.M., 1961

In Education
DALE EUGENE KAISER, B.S., M.S., 1954, 1960
THOMAS EUGENE SPENCER, A.B., A.M., Ball State Teachers College, 1954, 1957
RUTH CAMERON WEBB, A.B., Drew University, 1948; A.M., Syracuse University, 1949

In Electrical Engineering
DON ROBERT ALLEN, B.S., University of Michigan, 1948; M.S., Massachusetts Institute of Technology, 1950
JACK ROGER BAIRD, B.S., M.S., 1958, 1959
KEITH GEORGE BALMAIN, B.A.Sc., University of Toronto, 1957; M.S., 1959
EDWARD PAUL BIALECKE, B.S., M.S., 1956, 1958
JOHN CHARLES ELSEY, B.S., University of Utah, 1956; M.S., Massachusetts Institute of Technology, 1960
JAMES BERNARD GERARDO, B.S., M.S., 1959, 1960
ROBERT WILLIAM KAFFKA, B.S., M.S., 1958, 1959
STEPHEN JAMES KAHNE, B.E.E., Cornell University, 1960; M.S., 1961
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ROBERT HENRY MACPHERIE, B.A.Sc., University of Toronto, 1957; M.S., 1959
JAMES HARWOOD PUGSLEY, A.B., Oberlin College, 1956; M.S., 1958
SERGIO TELLES RIBEIRO, Eng., Technical Institute of Aeronautics (Brazil), 1957; M.S., 1961
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In English

CAROLYN SUE FAULK, A.B., Alabama Polytechnic Institute, 1955; A.M., 1957
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In Entomology

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RONALD HARMON MEYER, B.S., M.S., 1951, 1956
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DEMETRIOUS SPYRIDON SGOUTAS, Diploma, University of Salonika, 1954

In French

CHARLES ALOYSIUS BAKER, JR., A.B., A.M., Boston College, 1955, 1956
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ROBERT NORMAN FARVOLDEN, B.S., M.S., University of Alberta, 1951, 1958
PETER FENNER, B.S., City College of New York, 1959; M.S., 1961
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GEORGE EDWARD HEIM, JR., B.S., M.S., University of Michigan, 1956, 1957
PAUL WARREN HUGHES, B.S., Oregon State College, 1948; M.S., University of Arizona, 1950
NEAL RAY O'BRIEN, A.B., DePauw University, 1959; M.S., 1961
IRA EDGAR ODOM, A.B., Southern Illinois University, 1956; M.S., 1958
JOHN BEAUFORT TUBB, JR., B.S., Southwestern Louisiana Institute, 1959; M.S., 1961
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Richard Lawrence Lower, B.S., 1956; M.S., Purdue University, 1961

In Library Science
Richard Dean Walker, A.B., A.M., Indiana University, 1955, 1957

In Mathematics
Simmie Samuel Blakney, A.B., Tougaloo College, 1950; M.S., 1955
Marvin Willard Grossman, A.B., Queens College, 1959; M.S., 1960
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Ronald Joseph Miech, A.B., M.S., 1959, 1961
Surendranath Patnaik, B.S., Utkal University, 1951; M.S., Benares Hindu University, 1953
Walter Abraham Rosenkrantz, A.B., B.S., University of Chicago, 1957, 1957; M.S., 1959
Sanford Roy Schubert, B.S., M.S., University of Chicago, 1959, 1959
Francis Chi-Yu Tang, B.S., University of Hong Kong, 1957; M.S., University of South Carolina, 1960
Russell Arthur Welker, A.B., M.S., 1956, 1957

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In Microbiology
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JAMES LAWRENCE WALSH, A.B., University of Nevada, 1952; A.M., Mexico City College, 1958

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CHARLES JOSEPH STEWART, B.S., Indiana State Teachers College, 1958; A.M., 1960
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DONALD FREDERICK ADAMS, B.S., 1957; M.S., University of Southern California, 1960
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MAJID AHMED AL-RADHAWY, License, Higher Teachers College (Iraq), 1954; M.S., Kansas State University, 1958
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CHARLES ALONZO WILLIAMS, A.B., Miles College (Alabama), 1960
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In Philosophy
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Degree of Master of Science

In Accountancy
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In Agricultural Engineering
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In Architectural Engineering
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In Botany
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ISHMAT SOERIANEGARA, Eng., University of Indonesia, 1961
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In Ceramic Engineering

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In Chemical Engineering

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In Chemistry

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In City Planning

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In Civil Engineering

MOHAMMAD ALI AKBARIAN, Diploma, Teheran University, 1960
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LAWRENCE JOSEPH KRAMER, B.C.E., University of Dayton, 1962
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JOHN WILLIAM LEONARD, B.S., Tufts University, 1962
EDWARD JONG-TSUEY LII, B.S., Taiwan Provincial Cheng Kung University, 1959
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<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
</tr>
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<tbody>
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<td>Yu-Chiao Lo</td>
<td>B.S.</td>
<td>Taiwan Provincial Cheng Kung University</td>
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<td>Leonard Anthony Lopez</td>
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</tbody>
</table>

**In Dairy Science**

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<th>Name</th>
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<td>John Arthur Bines</td>
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<td>Wye College, University of London</td>
<td>1961</td>
</tr>
<tr>
<td>Zephaniah Owiro</td>
<td>B.S.</td>
<td></td>
<td>1962</td>
</tr>
</tbody>
</table>

**In Dairy Technology**

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nicholas P. Melachouris</td>
<td>Graduate</td>
<td>Highest Agricultural School (Athens)</td>
<td>1958</td>
</tr>
</tbody>
</table>

**In Economics**

<table>
<thead>
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<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
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<tbody>
<tr>
<td>John Michael Boe</td>
<td>B.S.</td>
<td></td>
<td>1962</td>
</tr>
<tr>
<td>Lawrence Arthur Boland</td>
<td>B.S.</td>
<td>Bradley University</td>
<td>1962</td>
</tr>
<tr>
<td>Robert Charles Cirese</td>
<td>B.S.</td>
<td>DePaul University</td>
<td>1960</td>
</tr>
<tr>
<td>Charles Henry Cline</td>
<td>B.S.</td>
<td></td>
<td>1960</td>
</tr>
<tr>
<td>Sanford Monzel Martin, Jr.</td>
<td>A.B.</td>
<td>Southern Illinois University</td>
<td>1961</td>
</tr>
<tr>
<td>Aaron David Metz</td>
<td>B.S.</td>
<td></td>
<td>1958</td>
</tr>
<tr>
<td>Richard Wayne Truelick</td>
<td>B.S.</td>
<td></td>
<td>1962</td>
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**In the Education of Mentally Handicapped Children**

<table>
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<tr>
<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
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<tbody>
<tr>
<td>Rita Borri Reiman</td>
<td>B.S.</td>
<td></td>
<td>1959</td>
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</table>

**In Electrical Engineering**

<table>
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<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
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<tbody>
<tr>
<td>Sadanand Dinkar Agashe</td>
<td>B.Eng.</td>
<td>University of Bombay</td>
<td>1961</td>
</tr>
<tr>
<td>Allen Marshall Barnett</td>
<td>B.S.</td>
<td></td>
<td>1962</td>
</tr>
<tr>
<td>Rodolfo Betancourt del Rio</td>
<td>Licenciado</td>
<td>Institute of Technology and Higher Studies of Monterey (Mexico)</td>
<td>1962</td>
</tr>
<tr>
<td>James Dale Boyd</td>
<td>B.S.</td>
<td></td>
<td>1962</td>
</tr>
<tr>
<td>Direk Charchenhol</td>
<td>B.E.E.</td>
<td>Clarkson College of Technology</td>
<td>1961</td>
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<tr>
<td>Nicholas Del Vecchio</td>
<td>B.S.</td>
<td>Tufts University</td>
<td>1962</td>
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<tr>
<td>Phillip Harris Doppelt</td>
<td>B.S.</td>
<td></td>
<td>1961</td>
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<tr>
<td>Richard Henry Eckhouse</td>
<td>B.E.E.</td>
<td>Cornell University</td>
<td>1962</td>
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<td>John Paul Fallon</td>
<td>B.S.</td>
<td>Tufts University</td>
<td>1962</td>
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<tr>
<td>Melvin Ivan Gasper</td>
<td>B.S.</td>
<td>State University of Iowa</td>
<td>1962</td>
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<tr>
<td>Dennis Calvin Hall</td>
<td>B.S.</td>
<td></td>
<td>1962</td>
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<tr>
<td>Doran David Hershberger</td>
<td>B.S.</td>
<td>Case Institute of Technology</td>
<td>1945</td>
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<tr>
<td></td>
<td></td>
<td>A.B., Goshen College</td>
<td>1946</td>
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<tr>
<td>Raymond John Hoaglin</td>
<td>B.S.</td>
<td>Arizona State University</td>
<td>1962</td>
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<tr>
<td>Gary Frederick Hoech</td>
<td>B.S.</td>
<td>University of Missouri School of Mines and Metallurgy</td>
<td>1961</td>
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<tr>
<td>Jay Householder</td>
<td>B.S.</td>
<td>University of Missouri School of Mines and Metallurgy</td>
<td>1962</td>
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<tr>
<td>Edward Hudock</td>
<td>B.S.</td>
<td>University of Michigan</td>
<td>1952</td>
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</table>
DONALD ALOYSIUS KASNIAK, B.S., 1962
RONALD LLOYD KLEIN, B.S., 1962
KOMANDUR RAMU KRISHNAN, B.Eng., Nagpur University, 1962
CLARK NELSON KURTZ, B.S., South Dakota School of Mines and Technology, 1959
WING CHIU LEUNG, B.S., 1962
BERNARDO LEVY, Licenciado, Institute of Technology and Higher Studies of Monterrey (Mexico), 1962
JOHN ROBERT LINFOED, B.E.S., Brigham Young University, 1960
JOSEPH GEORGE MCCRARTHY, B.S., 1962
ARICHE CHARLES MCKELLAR, B.S., University of Alberta, 1958
JOHN MICHAEL MOTIL, B.S., University of Alberta, 1960
DONALD STEWART PARRY, B.S., Purdue University, 1955
EDWIN LEWIS POST, B.Eng., Stevens Institute of Technology, 1962
WILLIAM LEE RICKHOFF, B.S., Valparaiso University, 1961
ROBB NICHOLS RUSSELL, B.S. (Engineering), B.S. (Electrical Engineering), Trinity College, 1960, 1961
STEVEN BROWNING SAMPLE, B.S., 1962
ALBERTO MAYER ASUSON McKIDOWN, B.S., 1961
HAROLD SHICMAN, B.S.E., University of Michigan, 1962
JOHN LUCIAN SPELLMAN, B.S., 1962
SHEO PRASAD SRIVASTAVA, B.S., M.S., Benares Hindu University, 1951, 1953
THOMAS JOHN ULASZEK, B.S., 1962
TAKAO UTUMI, B.S., University of Tokyo, 1956
PAUL FRANCIS VIROBIK, B.S., 1962
RICHARD JAMES WALLSTROM, B.S., 1959
RICHARD MICHAEL WHITE, B.S., 1962
ROBERT EDWARD WILLARD, B.S., 1962
WILLIAM ALLAN WULF, B.S., 1961

In Entomology

JOHN DUANE UNZICKER, B.S., 1962

In Food Technology

FRANK THEODOR BURGHEIMER, B.S., Cornell University, 1962

In Geology

MOHAMED TAHA EL-ASHRY, B.S., Cairo University, 1959
JACK ROGER PALOMINO CARDENAS, Ing. Geol., National University of San Marcos (Peru), 1961

In Health Education

MICHAEL HERBERT MOSTOW, B.S., Brooklyn College, 1962
ZANDER PONZO, B.S., College of the City of New York, 1962

In Home Economics

SARA UMBERGER DOUGLAS, B.S., Kansas State University, 1961
AUDREY GONERT GIESKING, B.S., 1961
CORINNE PETRUSIA MARIE GRESCHUK, B.S., University of Alberta, 1961
JUNE LOUISE HEFTER, B.S., 1960
QUEI-SHIOW HWANG, B.S., National Taiwan University, 1960
NANCY LEE OVERPECK KEPPLER, B.S., University of Miami, 1960

In Home Economics Education

GLENN JEAN BLUNIER, B.S., 1961

In Horticulture

BHOLA NATH MAZUMDAR, B.S., Benares Hindu University, 1948

In Journalism

IRA LEE BAKER, A.B., Wake Forest College, 1936; A.M., Columbia University, 1952

In Library Science

MARY JOYCE BAKER, A.B., Simpson College, 1962
ANNA MARIE BOSLEY, A.B., West Virginia University, 1962
MARY HUDSON BRICKLEY, A.B., 1962
MARGERET GOWDY BROCKMEYER, A.B., Cornell College, 1958
CAROL LEE DOTY, B.S., Wheaton College (Illinois), 1954
LUCKY EMILY GRIMM, A.B., Dickinson College, 1961
SAUNDRA BETH HARRIS, B.S., University of Omaha, 1957
LORRAINE ETHEL HARTWICK, A.B., Augustana College, 1958
SANDRA OTT HERZINGER, A.B., Nebraska Wesleyan University, 1960
CLAYTON DOUGLAS HIGHTON, B.S., Mayville State Teachers College, 1956; M.S., State Teachers College (St. Cloud, Minnesota), 1960
PATRICIA ANN HUDSON, B.S., 1958
EVELYN LEONA JOHNSON, A.B., Augustana College, 1953
MARY MCAULIFFE LANDON, A.B., North Texas State University, 1961
JULIA YUN-CHU TANG LEE, A.B., National Taiwan University, 1956
WEN-CHENG LEE, A.B., National Taiwan University, 1955; M.S., Southern Illinois University, 1962
RUTH GODFREY Linkahl, A.B., 1958
Geraldine Marilyn Long, A.B., Asbury College, 1958
SARA FISHER MacALPINE, A.B., Syracuse University, 1931
CLOE LOIS BEDFORD Osborn, B.S., A.M., 1938, 1957
MARGARET KAREN PALMER, A.B., Washington University, 1961
JOHNNIE LOUISE PHILLIPS, B.S., Loyola University, 1961
ALBERTA LOUISE RICHTETLE, B.S., New Haven State Teachers College, 1961
WILBUR KIRKWOOD Rosenkrantz, B.S., 1962
JOHN BARBOLOMEW St. LEGER, A.B., A.M., University of Richmond, 1956, 1961
ROZELLA BLOOD SMITH, A.B., M.S., University of Wichita, 1932, 1933
MARY EILEEN SOPER, A.B., 1955
TED PILO SWEIGLE, A.B., University of Florida, 1960
MATILDA THOMPSON STAENS, A.B., University of Oklahoma, 1941
KAREN ELAINE SUTHERLAND, A.B., Carroll College, 1962
SAMUEL CURTIS TeFFT, A.B., Grinnell College, 1962
ELIZABETH SCROGHAM Vierling, B.S., 1962
Marilyn Ruth Voegele, A.B., University of Colorado, 1958
Lucille Mathena Wert, A.B., Morningside College, 1942; B.S., Simmons College, 1945
PATRICIA JEAN Wilson, A.B., 1962

In Management
EDWARD THOMAS Graenen, B.S., Evansville College, 1958
ROBERT ROY Wehrle, B.S., 1958

In Marketing
Joseph Wells Skeehan, B.S., 1960

In Mathematics
ROBERT JEFFERY ALEXANDER, B.S., Bowling Green State University, 1961
ROBERT EDWARD COMLEY, B.S., M.S., State University of New York College of Education (Albany), 1955, 1957
CHARLES GOOD Denlinger, A.B., Elizabethtown College, 1961
GORDON KENDRICK DICKER, B.S., United States Military Academy, 1947; M.S. (Physics), 1952
DAVID JOSEPH Gries, B.S., Queens College, 1960
TERRANCE JOSEPH Hobin, B.S., Illinois Institute of Technology, 1961
KAREN ESTELLE KRULL, A.B., Carthage College, 1961
PRESSLEY WARWICK MILLER, A.B., Brown University, 1961
PHILIP NEWCOMB Nanzetta, B.S., North Carolina State College of Agriculture and Engineering, 1962
BARBARA JEAN PARDINI, B.S., 1960
THOMAS GEORGE RAILEY, B.S., Illinois Institute of Technology, 1961
WILLIAM ALBERT Sanders, A.B., Rockford College, 1962
PAUL HANSON Tingleff, B.S., 1961
GARY ROGER Tippett, B.S., Bradley University, 1961
ROBERT GREIG Ward, A.B., DePauw University, 1955
In Mechanical Engineering

Gene Frederick Ahlquist, B.S., 1962
Harry George Beckenholtz, B.S., St. Louis University, 1962
Robert Winfred Bunton, B.S., United States Military Academy, 1961
Charles Raymond Castellano, B.S., University of New Hampshire, 1961
Prabir Kumar Chatterjee, B.S., Bihar University, 1954; B.Tech., Indian Institute of Technology, 1958
Kwang-Yeh Chen, Graduate, National Amoy University, 1946
Teng Hsueh Chuang, B.S., National Taiwan University, 1960
Robert Eugene Eilers, B.S., 1961
Rafafat Mahmoud Hussein El-Barrad, B.S., Ain Shams University, 1952
Floyd Corliss Hayes, B.S., 1962
Clinton Percival Riihard, B.S., Norwich University, 1957
Joe Edward Sanders, B.S., United States Military Academy, 1956
James Martin Sigler, B.S., United States Military Academy, 1958
James Joseph Stukel, B.S., Purdue University, 1959
Daniel William Sutherland, B.S., University of Colorado, 1961
Bard Clark Teigen, B.S., Montana State College, 1962

In Metallurgical Engineering

Patricia Mae Bunn, A.B., St. Joseph College (Connecticut), 1960
Jon Otto Nelson, B.S., Purdue University, 1961
Robert Paul Zerwekh, B.S., University of Missouri School of Mines and Metallurgy, 1961

Sondra Roberta Stein, B.S., 1962

In Mining Engineering

Dilip Kumar Sen, B.S., University of Calcutta, 1942; Diploma, Indian School of Mines, 1948

In Music Education

James Zuill Bailey, B.S., East Carolina College, 1962
Michael Donald Bennett, B.Mus., University of Arizona, 1960
Terry Jay Brennan, B.Mus., MacMurray College, 1962
Michael John Delaney, A.B., Elmhurst College, 1957
Bonzie Mae Gilbert, B.Mus., Baldwin-Wallace College, 1957
Terry Hamilton Howard, B.S., Ithaca College, 1961
James Brown Lyke, B.S., State University of New York College of Education (Fredonia), 1954; A.M., Teachers College, Columbia University, 1959
Eddie Spencer Meadows, B.S., Tennessee Agricultural and Industrial State University, 1962
Marthan Dusch Roberts, B.Mus., MacMurray College, 1951
Byron Leon Roderick, B.S., Illinois State Normal University, 1962
Gaylord Dean Spotts, B.S., 1956
William Harper Trexler, B.S., 1960
Arlene Joanne Vereski, B.Mus., 1961
Benjamin Edmund Williams, B.S., 1957
Benjamin Wilson Woodruff, Jr., A.B., University of South Carolina, 1961

In Nuclear Engineering

Bernard Hugh Cherry, B.S., 1962
Kin Ying Cheung, B.S., University of Michigan, 1961
Nelson Sutton DeMuth, Jr., B.S., Virginia Polytechnic Institute, 1961
John Philip Kutz, B.S., 1962
William Joseph Westhoff, Geophysical Engr., Colorado School of Mines, 1955; M.S. (Civil Engineering), 1963
Saiyid Mohammed Naqi Zaidi, B.S., Aligarh Muslem University, 1950; M.S., University of Colorado, 1956
In Physical Education

JAMES HAROLD BISHOFF, B.S., 1962
RAYMOND FRITZIOF CARSON, A.B., Augustana College, 1961
WILLIAM LEAS HASKELL, A.B., University of California (Santa Barbara), 1960
KATHLEEN FRANCES HEATH, A.B., Marylhurst College, 1953

In Physics

JOHN LAURENCE ANDERSON, Jr., B.S., Eastern Kentucky State College, 1961
ANDRAS MIKLOS BARDOS, Matura, Budapest, 1956; B.S., 1962
WILLIAM ERIC BAYLIS, B.S., Duke University, 1961
EUGENE WILLIAM Biever, B.S., Stanford University, 1961
CHEUK-KIN CHau, A.B., MacMurray College, 1962
FREDERICK Yi-Tung Cho, B.S., University of California (Los Angeles), 1962
DONALD JOHN DeSMet, B.S., 1962
RONALD HART DURRETT, B.S., 1962
CHARLES ARTHUR ERNER, A.B., Cornell University, 1962
JOSE GRANES SELLARES, B.S., 1962
DAVID GORDON Hamblen, A.B., Williams College, 1962
ROBERT WILLIAM HOSKEN, B.E.E., Polytechnic Institute of Brooklyn, 1961
BRIAN CHARLES KoLET0, B.S., 1962
ALFRED ADAM KUCLER, B.S., McMaster University, 1962
TAE JOUN LIE, B.S., Seoul National University, 1958
WILLIAM ROBERT LIEB, B.S., 1962
JOHN HOOD LOWENSTEIN, A.B., Harvard College, 1962
JERBOLD LLOYD McNATT, B.S., Wheaton College, 1962
EDGAR EUGENE Morris, B.S., Ottawa University, 1961
MILos ANTHONY Nelson, B.S., 1962
KAUNG NYUNT, B.S., University of Rangoon, 1959
WILLIAM DOUGLAS Phelps, B.S., University of Massachusetts, 1961
ROBERT FRANCIS PIERRET, B.S., Case Institute of Technology, 1962
CHARLES GORDON ROBBINS, B.S., Massachusetts Institute of Technology, 1961
DAVID ALLAN ROBINSON, B.S., Stanford University, 1961
FREDRICH ADAM ROHATSCH, B.S., 1962
JEFFREY DAVID ROSENHAL, A.B., Williams College, 1962
ALEXANDER SHAPIRO, B.S., McGill University, 1961
JOHN ERNEST SMITH, Jr., B.S., Massachusetts Institute of Technology, 1961
VICTOR G. STOTLAND, B.S., Illinois Institute of Technology, 1962
ROY CANNON THATCHER, B.S., Stanford University, 1961
THERESA Shu-yi WANG, B.S., National Taiwan University, 1960
DAVID WALTER Wilson, B.S., 1961
MARVIN JOHN WOODRING, B.S., Montana State College, 1959

In Physiology

JAMES Melvin FReed, B.S., McPherson College, 1961
KEUN SHIL Lee, B.S., Yonsei University (Korea), 1959
JERRY ROYCE Reel, A.B., Indiana State Teachers College, 1960
JAMES MICHAEL WALIGORA, B.S., 1961
HARVE CLARK Wilson, A.B., Indiana University, 1961
JOHN DRENNAN Wilson, A.B., Carleton College, 1960

In Plant Pathology

JAMES ARTHUR Bauling, B.S., 1961

In Radio and Television

ROBERT ORAL Endres, B.S., 1962
MARY ALICE Mayer, A.B., Clarke College, 1962

In Recreation

DAVID Lee Gossard, B.S., 1961
JAMES LeROY Thomas, A.B., Cornell College, 1959

In Sanitary Engineering

SAMBHUNATH Ghosh, B.Eng., University of Calcutta, 1956
RICHARD PAUL KAPTAIN, B.S., 1954
LOUIS WILLIAM LEFKE, B.S., 1958
DONALD WAYNE NEIBEL, B.S., 1961
CHARLES HAYDEN SMITH, B.S., 1955

In Speech Correction
JUDITH ANN COOK, A.B., Mundelein College, 1962

In the Teaching of Biological Sciences and General Science
LAWRENCE BERNARD BRUEGGEMAN, B.S., 1952
ROBERT KEITH HANSON, B.S., Illinois State Normal University, 1960

In the Teaching of Chemistry
KEITH MELVIN LEEDY, B.S., 1962
MARVIN FRANCIS MEISSEN, B.S., 1958

In the Teaching of Mathematics
DAVID KYDD BATCHELOR, B.S., South Dakota State College, 1962
FREMONT CHESTER FERCHEN, B.S., Niagara University, 1950
DAVID PAUL LIECHEN, B.S., Capital University, 1962
KENNETH LEE MCCORD, B.S., Nebraska State Teachers College (Kearney), 1950
INEZ WHEELER WESTGATE, A.B., Radcliffe College, 1961
RONALD TODD WRIGHT, B.S., 1959

In Theoretical and Applied Mechanics
CARSON THURSTON BROWN, B.S., 1962
PETER JANZEN, B.S., University of Alberta, 1961
ERNST VANCE LENZI, B.S., 1962
JOHN DAVID MARTIN, B.S., Virginia Polytechnic Institute, 1961
TOM MAX MULCAHY, B.S., 1961
WALLACE WILLIAM NOLL, B.S., United States Military Academy, 1953
CLAUDIO EDMONDO TODESCHINI, B.S., University of Capetown, 1959
WILLIAM ALAN VAN DER SLUYS, B.S., Michigan College of Mining and Technology, 1961
EDWARD MING CHI WU, B.S., 1960

In Veterinary Medical Science
MICHEL G. COTÉ, Certificate, School of Veterinary Medicine of Quebec, 1960
BRONISLAW MENDLOWSKI, Vet.Physician, Veterinary College of Edinburgh, 1944
HARRY AARON REYNOLDS, Jr., A.B., Gettysburg College, 1952; D.V.M., University of Pennsylvania, 1956
JAMES BRANNON SHARP, Jr., D.V.M., University of Georgia, 1956
LAL MADHO SINGH, B.V.Sc. and A.H., Agra University, 1960

In Zoology
ROLLIN DAVID ANDREWS III, B.S., Eastern Illinois University, 1955
RUSSELL PAUL BALDA, B.S., Wisconsin State College (Oshkosh), 1961
WILLIAM STEWART BROOKS, A.B., Ripon College, 1960
LOIS STEVEN HAERTEL, B.S., 1961
HAROLD WILLIAM LUNT, A.B., University of California (Santa Barbara), 1956
JAMES WAYNE TATE, B.S., Northern Illinois University, 1960
DONALD KRAFT UNDERHILL, A.B., University of Minnesota, 1959

Degree of Master of Music
JON WARD BAUMAN, B.Mus., University of Colorado, 1961
EDWARD GLEN HULL, B.Mus., Syracuse University, 1962
ALBERT DUNNING KING, B.Mus., Houghton College, 1961
KENNETH ROBERT MARSHALL, B.Mus., B.S., 1961, 1962
ALAN MILLER PORTER, B.Mus., Mount Union College, 1961
WILLIAM DONALD RANKIN, A.B., B.Mus., Oberlin College, 1961, 1961
DAVID ROBERT WHEALY, B.Mus.Ed., Drake University, 1961
RONALD ALVIN WORSTELL, B.Mus., 1961
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<tr>
<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
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<tr>
<td>Cynthia Janice Allen, B.S.</td>
<td>1959</td>
<td>University of Illinois</td>
<td></td>
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<tr>
<td>Lorna Jean Anderson, B.S.</td>
<td>1958</td>
<td>Eastern Illinois University</td>
<td></td>
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<td>John Edward Arnold, A.B.</td>
<td>1960</td>
<td>University of Tulsa</td>
<td></td>
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<tr>
<td>Robert James Beck, B.S.</td>
<td>1960</td>
<td></td>
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<tr>
<td>James Douglas Bemis, B.S.</td>
<td>1959</td>
<td>Eastern Illinois University</td>
<td></td>
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<td>Jerold Edward Binkley, B.S.</td>
<td>1958</td>
<td></td>
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<tr>
<td>Harold Emanuel Blehm, B.S.</td>
<td>1959</td>
<td>University of Maryland</td>
<td></td>
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<tr>
<td>Robert James Briggs, B.S.</td>
<td>1960</td>
<td>Western Illinois University</td>
<td></td>
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<tr>
<td>Charles Ned Brown, A.B.</td>
<td>1958</td>
<td>McKendree College</td>
<td></td>
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<tr>
<td>Donald Alan Bush, B.S.</td>
<td>1961</td>
<td></td>
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<td>John McTaggart Bustard, B.S.</td>
<td>1960</td>
<td></td>
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<tr>
<td>Arnold Norbert Cajet, B.S.</td>
<td>1957</td>
<td></td>
<td></td>
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<tr>
<td>Alphonse Duane Cerasoli, B.S.</td>
<td>1961</td>
<td>Illinois State Normal University</td>
<td></td>
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<tr>
<td>James Christensen, Jr., A.B.</td>
<td>1951</td>
<td>Millikin College</td>
<td></td>
</tr>
<tr>
<td>Grace Lottie Chynoweth, B.S.</td>
<td>1957</td>
<td>Michigan State University</td>
<td></td>
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<tr>
<td>Louise Lienesch Clem, B.S.</td>
<td>1949</td>
<td>Southern Illinois University</td>
<td></td>
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<tr>
<td>Waltz Vernon Conner, A.B.</td>
<td>1952</td>
<td>University of Kentucky</td>
<td></td>
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<tr>
<td>Hurlie Damron Coose, B.S.</td>
<td>1960</td>
<td>University of Missouri</td>
<td></td>
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<tr>
<td>Marvin Arthur Damron, B.S.</td>
<td>1958</td>
<td></td>
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<tr>
<td>Joan Davis, A.B.</td>
<td>1962</td>
<td></td>
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<tr>
<td>Wayne LaVerne Deal, A.B.</td>
<td>1958</td>
<td>Greenville College</td>
<td></td>
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<tr>
<td>Richard Charles Devecchio, B.S.</td>
<td>1960</td>
<td>Illinois State Normal University</td>
<td></td>
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<tr>
<td>Norman Stanley Douglas, B.S.</td>
<td>1956</td>
<td>Southern Illinois University</td>
<td></td>
</tr>
<tr>
<td>Gerald Ulbrich Fain, A.B.</td>
<td>1956</td>
<td>State College of Iowa</td>
<td></td>
</tr>
<tr>
<td>Joseph Jeffery Finley, B.S.</td>
<td>1951</td>
<td>Bishop College</td>
<td></td>
</tr>
<tr>
<td>James William Foran, B.S.</td>
<td>1960</td>
<td>Eastern Illinois University</td>
<td></td>
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<tr>
<td>LeRoy John Frederichs, B.S.</td>
<td>1959</td>
<td></td>
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<td>Susan Jean Kahl Funkeouser, B.S.</td>
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TERRANCE LEE HUFF

COLLEGE OF LAW

Degree of Bachelor of Laws

ROBERT HENRY ADCOCK, A.B., Wabash College, 1960

JEAN APPLEMAN, A.B., 1960; High Honors

EUGENE LEE ARMENTROUT, A.B., North Central College, 1960

DAVID BOERNER, B.S., 1962

KENNETH STANLEY BROUN, B.S., 1960; Honors

WALTER STEPHEN CLAGGETT, A.B., 1960

GARY LEE CLARK, A.B., St. Ambrose College, 1960

ROBERT HENRY ADCOCK, A.B., Wabash College, 1960

EUGENE LEE ARMENTROUT, A.B., North Central College, 1960

DAVID BOERNER, B.S., 1962

KENNETH STANLEY BROUN, B.S., 1960; Honors

WALTER STEPHEN CLAGGETT, A.B., 1960

GARY LEE CLARK, A.B., St. Ambrose College, 1960

HENRY THOMAS COCHILL, JR., A.B., Michigan State University, 1959

DAVID CHARLES COLEMAN, A.B., 1960

LAWRENCE EDGAR EATON, JR., B.S., 1952

GARY LADIMER ECKLUND, A.B., Wheaton College, 1958

BARBARA STARKEY MURSON, Honors in Liberal Arts and Sciences

MARTA JEAN MYERS

PHYLLIS ROCHELLE PODOLSKY, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

JUDITH HARRIET SUNQUIST

MERRITT GAIL MEYERS

BARBARA MUNSON, Honors in Liberal Arts and Sciences

MARNA JEAN MYERS

PHYLLIS ROCHelle PODOLSKY, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

JUDITH HARRIET SUNQUIST

MEREDITH GAIL MEYERS

BARBARA MUNSON, Honors in Liberal Arts and Sciences

MARNA JEAN MYERS

PHYLLIS ROCHELLE PODOLSKY, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

JUDITH HARRIET SUNQUIST

GERALD LEE KREITNER

PATRICIA ANN RICCETTI, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

WAYNE EDWARD ROGOSKI, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

WILLIAM DALE UNVERFERTH

LOUISE ANNA WOLF

GERALD LEE KREITNER

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WILLIAM DALE UNVERFERTH

LOUISE ANNA WOLF
Charles Emile Ehler, A.B., Yale University, 1960
Samuel Louis Erwin, A.B., 1957
Allan Sidney Feingold, A.B., 1961
James Monroe Fox, A.B., Augustana College, 1960
Sherwin Murray Goldberg, A.B., State University of Iowa, 1958
Bruce George Hillstrom, A.B., DePauw University, 1960
Fred Leonardt Hubbard, B.S., 1961
James Michael Huck, Jr., B.S., 1960
Peter Harry Huizenga, A.B., Hope College, 1960
Donald Gene Klein, B.S., 1961
Carla Kay Kogan, A.B., 1961
Roger Earl Lageschulte, A.B., Wartburg College, 1960
Richard Gordon Lambert, B.S., Southern Illinois University, 1958
Michael Lee Lapin, A.B., 1961
Neal Craig Lawson, A.B., North Central College, 1960
Leah Schrotterberger Lee, A.B., 1960; High Honors
Joseph Lord Long, B.S., 1958
Theodore John Lorek, B.S., 1960
Edward Stanely Malecki, Jr., A.B., 1961
David Edward McCracken, Jr., B.S., 1960

DOUGLAS MILLARD III, A.B., Lawrence College, 1960
Jerome Mrza, B.S., Illinois Wesleyan University, 1960
Marco Joseph Muscarello, B.B.A., University of Notre Dame, 1960
Richard Brurette Opsahl, A.B., Luther College, 1959
Ronald Lee Otto, A.B., 1960
Arnold Edwin Perl, A.B., 1961
Frederick Gilbert Pink, Honors
David Shagam
John Cameron Stephenson, A.B., Westminster College, 1959
Robert Frederick August Stokke
Edward Frank Sutmowski, B.B.A., University of Wisconsin, 1961
Frank Anthony Ward II, A.B., Johns Hopkins University, 1960
Robert Laverne Watson, B.S., Millikin University, 1962
George Ivan Whitney, A.B., 1960
Donald Leroy Wilber, A.B., Millikin University, 1962
Errol Zavett, A.B., State University of Iowa, 1960
William Lee Zessar, B.S., 1953
Max Edward Zollner, A.B., Knox College, 1960

COLLEGE OF EDUCATION
Degree of Bachelor of Science
In Education

NORMAN EUGENE ART
LYDIA SUE BACH
LORENA DIVAN BARNES, High Honors
ALVIN LYLE BOYD
ARLENE IRVINE DAVIS
DALE EDWARD EWEN
FRED O. PLENTER
LANSIE MAE FUEBRT
VIRGINIA AGGETT KAYE
CONNIE ANN MINGEE
JILL MARIE LAMB NANCE
SUKRAN ATAY OZOGLU
JAMES RICHARD POLING

JUDITH ANN ROSENBACK
ESPERANZA FLOREDELIZ SANDOVAL
MARIE LOUISE SCHLICHTING
WILLIAM DAVID SHAFER
SUSAN AVERILL SHAW
TEHILA AVERBUCH SHEINBLATT
JON RICHARD STEEN
FRANCES ELAINE STUCKY
ZALMAN PHILIP USISKIN, Highest Honors
JOHN THOMAS VAN BRANDECHEN
ROY LEE WACHTER
LEE ANN RAE WITHNELL

In the Education of Mentally Handicapped Children

MARY ANN CLAASSEN
 JANICE ELAINE FILIP, Honors
 LINDA LOU FRANKS, Honors

LESLEY ELLEN DUBOE
MAUREEN FERN FELDMAN
BEVERLY NELSON MELLSKOG
BARBARA RUTH SILVERMAN, Honors
CAROL ANN STERN
MARCIA KAY UMSTOT

In the Education of the Deaf

MARY ANN CLAASSEN
JANICE ELAINE FILIP, Honors
LINDA LOU FRANKS, Honors

JANET GWIN GILLUM
CAROLYN JUNE SONDIE
In Elementary Education

SANDRA TURNYE ADDY
JOAN ELAINE ANDERSEN
BONNIE KAY ARMSTRONG
NANCY CAROL BARRETT
MARY CAROLINE BARTLETT
JUDITH MOYES BAUMAN
MARY ANN BERMANN
KAREN LYNN BICKEL, HONORS
BONNIE JEAN BONESS
CAROL ANN BORRE, HONORS
RITA JEAN BRANDT
BARBARA ANN BREITENBACH
SALLY WEBEL BROUGHTON, HIGHEST HONORS
JACQUELINE ANNE BUTLER
KATHLEEN DOROTHY CAMPBELL
MARY LEE CHYAL
CAROLE PAVLO CLARK, HIGH HONORS
FERN COBB
CONSTANCE LOUISE COLLINS
SANDRA LEILANI CUNNINGHAM
JANICE ELAINE DAHLSTROM
ELLEN WENDY DAVIDSON, HONORS
SUSAN JO DESJARDINS
FLORENCE DOROTHY DIX
FERN HELENE EDLIN
JUDY FAYE FEHRNBACKER
ARLENE COHEN FEINBERG
SUZANNE LONGTON FLETCHER, HONORS
JAYNE PHEIFFS FREEMAN, HIGH HONORS
JANE VELMA FULLERTON
JUDY SCHREINER FULMER, HONORS
JEAN LAVERNE GAECKE, HONORS
SHARLENE PEGGY GARFIEN
ROBERTA LEE GERARD
GEORGIANNE CAROL GIESKE
BRONA HELEN GLICKMAN
JULIA DEUTSCH GOLDSTEIN
JANET ROBERTSON GRIMES
CAROLYN GRONER
CAROL ANN GROVES, HIGH HONORS
KATHY JANE HAEFELIN
ELLEN KATHRYN HAGELOW
BETSY CREVISTON HALL
NANCY KATHRYN HARLAN
JOBY ANN HARRIS, HIGH HONORS
SUZANNE HENSON
JERRY LEE HOFFMAN
PATRICIA SCOTT HOLLOWAY
WENDY JANE HORN, HIGH HONORS
JANE ALICE HOWARD
FRANKEE DEE HUTLER
JOYCE JACOBS
GAIL BELL JOHNSON
MARILYS ZANDER JOHNSON
KAREN BOHART KASNAY, HIGHEST HONORS
Hazel RANDALL KELLEY
NANCY JEAN KEPLER
KAY MARIE KLAUS
MAXINE SHARI KLEMPNER

JOANNE NANNETTE KLEIN, HONORS
JOYCE LYNN KUKLA
MARGARET SCHULTZ LAVINIEK
KATHERINE BERTHA LAWRENCE
JOAN FERRISS LEFKE
JANET ADELINE LEFTWICH
BARBARA SUE LEVENFELD
SANDRA LEE LILEGON
HANNAH LOEB
DIANNA JUNE LOQUIST
PATRICIA CAIN LUDLAM
VIRGINIA MAXEY MARSH
WILMA JOSEPHINE MARSHALL
BELVA JOAN MARTIN, HIGH HONORS
PATRICIA LANE McGRATH
DONNA HARRISON MERSON
KATHLEEN MARGARET MICHALSKI
JACQUELINE VITA MIGDAL
FRANCINE HARRIET MINOWITZ
THERISE ANN MULLER
VIRGINIA TROUT MYER
HELEN MARIE NEUMANN
MARY THOMAS NORDWALL, HONORS
LYNN KAREN NOVAK
JEAN ANN PAYCHL
CORLISS PAYNE
JACKLYN MAXINE PETCHENIK
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JOYCE RAY PRESTON
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JEAN MARY RAFFERTY
PAULINE KASSOGRIAN
MARJORIE ANN REILLY
ANN MUTTER REISNER
JOY PHYLIS RICKERT
CYNTHIA DEE RICKET
MARJorie ELLEN ROBINSON
ELIZABETH ANNE SAVAGE, HONORS
HELEN MATTHESON SCHOTANUS, HIGH HONORS
LINDA JUNE SCHROEDER
SUZETTE MARIE SCHULTZ
SANDRA BONNIE SCHWARTZ
LYNDA McCLAIN SEELEY
STEPHANIE ANNE SHEETS
RUTH ELAINE SHUPE
SUE CAROL SHURTS
VIRGINIA MARGARET SIGEL
IDELL JOAN SILBERG
JOHN NICHOLAS SIMON
MARILYN CLARE SLABY
JUDY MAE SPIRE
AMELIA STEFANOS, HONORS
KATHLEEN ANN STEVENS
DIANNE FISHLove STONE
ELAINE BARBARA STONE
GLORIA ANN SUBBE
ELEANOR ELIZABETH SWAIN, HONORS
VIVIAN ANN UZZARDO
SANDRA KARYL VAN HOUTEN
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<td>Marlene Joy Walulis</td>
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<tr>
<td>In Industrial Education</td>
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<td>Fernando George Arenas, Jr.</td>
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<td>Arthur Daniel Avery</td>
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<td>James Edward Gilbert, High Honors</td>
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<td>John B. Gotta</td>
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<td>In College of Commerce and Business Administration</td>
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<td>Barry Alan Friedman, Honors</td>
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<td>Thorsten Lennart Gardner</td>
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<td>Gerald Alan Goldman</td>
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<td>Raleigh Terry Guice</td>
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<td>Marvin Leroy Haas</td>
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<td>Thomas Carter Harkess, High Honors</td>
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<td>Ralph Arthur Hoffman, High Honors</td>
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<td>Abby Helene Israelow</td>
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<td>James Kent Jeanblanc, High Honors</td>
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<td>Loren Bernard Kramer</td>
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<td>Ronald Eugene Larsen</td>
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[June 19]
1963] UNIVERSITY OF ILLINOIS 635

JUDITH PAULA SNYDER
KENNETH IRA SOLOMON, High Honors
RICHARD RONALD SOLOMON
DAVID GEORGE WALTERS, Honors
BARRY LOUIS WEINSTEIN
JACK WEMHOENER

THOMAS DENNIS WHITE
RICHARD JOHN WITEK, High Honors
WAYNE WESLEY WOLF, Honors
STEVEN EDWARD WOLLACK
RICHARD ALLEN ZIEFF
MICHAEL ARTHUR ZUCKERMAN

In Accountancy and Economics
TERRY MICHAEL SCHLADE, Honors

JAROSLAW ROMAN MARTYNIUK

In Accountancy and Marketing
MICHAEL JAMES LIBERTA, JR.

In Commerce and Law

JOHN HASKETT DAVIES
JOHN PRIMM JACOBY, Honors
ALBERT HERMAN KRUZEMARK
LORIN MITCHELL SPAK

STEPHEN ERIC SWARD
THOMAS MILTON TURNER
CARL LEE VACKETTA

In Commercial Teaching

STUART ARNOLD DINKEN
CAROLYN JUNE DODSON
LINDA LOU GILL
JUDITH MAUREEN IRWIN
NANCY GIBSON JOHNSON

CAROLE SUSAN KOPER
CAROL ANN NEWMANN
NANCY JOSEPHINE NOLAN
EUGENE MICHAEL SHIFRIN
NANCY RAY TETZLAFF, Honors

In Commercial Teaching and Finance

ARTHUR LEE JUNKINS, Honors

In Economics

HARRY BLOCH, Honors
DOUGLAS ROY CARMICHAEL, Honors
JERRY LEE DEGARMO, High Honors
JOHN FREDRICK FICKS
FRANCIS GREGORY HERAS
ROBERT ACKERMANN JOHNSON
RICHARD DON JOSEPH
JOSEPH PETER LA CAYA
FREDRICK MAX MEINEL
DONALD WILLIAM RAMEY

PATRICK EDWARD REA
JUDI ANN RISS, High Honors
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FRANK JOSEPH SCHMIEDER
JEFFREY SCHUBERT
DAVID STEPHEN SPENCER, Honors
JAMES FREDRICK STULL
DANIEL BERCHMAN SWEENEY
THOMAS WEBB TATNALL, High Honors

In Finance

STEPHEN LEROY ALLISON
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STUART RAY CITRON
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CLARENCE LEE GERDES
MARIAN HERBERT GIESECKE
EDGAR LEE GREEN
LERoy BERNARD HAZEN
RICHARD WINE HEINMILLER
JOEL STEPHEN HIRSCH
WILLIAM ARRASMITH HUNT
ARTHUR RAYMOND KINGERY
DAVID WILLIAM LEMBKE
DAVID N. LEZEAU
PAUL NIM-CHI LIANG
PAUL LESTER LIEBERMAN
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ALLAN NORMAN REISNER
ALAN MARSHALL RESSER
DAVID MARTIN ROBBIN
WILLIAM BANDLOW RYPSTAT
GERALD ERNEST SCHULTZ
FRANK JOHN SCHWEITZER
WARREN HARRY SCHWIESOW
DONALD GENE SMITH
GEORGE EDWARD SMITH
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RICHARD JOHN VICARS
WILLIAM LESLIE WELCH
DAVID JAMES WINTER
BOARD OF TRUSTEES

In Finance and Marketing

Byron Alan Brook

In Industrial Administration

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Michael Herbert Greenberg John Robert Weis
Craig Lloyd McRae Eldon William Whittaker
William David Robb

In Management

Richard William Ambrose Thomas McIntyre Hough
James Thomas Croddy Jeffrey David Howell, High Honors
John Harry DeJong Douglas Eric Jackson
Thomas Leonard De Waelsche Daniel Glen McKinney
James Martin Downey Marilyn Joan Michal
Karen Elaine Dryer Charles Ray Miller
Terry Alan Dunavan John Clinton Moore
John Alexander Duncan Neil Michael Nelson
Ronald Benjamin Entzminger Melvin Charles Romani
Jerome Spencer Goldstein Robert Frank Sebastian
Ronald Paul Gross, Honors Dwight Earl Shank
Philip Joseph Hackl Susan Jean Skoff
John Henry Harrison David Leo Solmundson
William David Herb James Edwin Thayer
Joseph William Hobbs Richard Wayne Wallace
James Harrison Hober Douglas Ernest White

In Management and Marketing

Michael John Fallaw Frank Carl Gaides

In Marketing

Friedel Manfred Acker Maxine Judith Kuklin
Albert Roy Baines III Gloria Marie Lazazzera
Stephen Yale Barkan Marvin Leman
James David Barr Charles William Litzen
Larry Wesley Barton Robert James Luhring
Stephen Lowell Baum Kenneth Smith MacKenzie
James Godfrey Blankenburg Donna Jean Matson
Katherine Louise Brown David Lee Maupin
Donald Anthony Buescher Robert Joseph Mayer
Ronald Joseph Bulin Eric Hans Medrow
Lawrence John Craelius Ronald Theodore Mikrut
Ronald Floyd Craig William Roger Nemeck
John Howard Danko Kenneth Allen Rawson
Dennis Robert Dibos Charlotte Petty Reeder
David John Downey Dale LeRoy Rothenberger
David Lee English Richard Ralph Royster
Dennis Michael Flaherty Earl Martin Sabes
Margot Ann Flinn Roger Frank Schauer
Joan Katherine Formanek William Cordell Schweizer
Raymond Paul Fritzschke Richard Eugene Scott
Ronald Harry Genenz, Honors Charles Daniel Shauger
Charles Lester Getman Robert Joel Siegel
Thomas Ehler Goettsche Janet Mae Slomka
Joel Warren Greenberg William George Small
Kenneth Jacob Gmosch Albert Cully Taylor
John Frank Hanson Michael Tepper
Robert Arthur Hurst James Adrian Verhoeven
Alan Harvey Jacobs John Charles Webber, Honors
Mary Dean Jenkins Joel David Weisman
John Andrew Jergenson Richard Joseph Whitehead
Melissa Rose Kamille Barbara Ann Viegelsz
Michael Daniel Kolodziej Kenneth Albert Wojcieszak
Kenneth Martin Koncnek
UNIVERSITY OF ILLINOIS

In Secretarial Training

JUDITH FRANCINE HOOD
JOAN ELLYN NEUMANN

In Urban Land Economics

DALE CARTER ALTMIN
CHARLES RICHARD BALKIN

COLLEGE OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science in Communications

ROBERT EDWARD ADAMS
BRIAN ROBERT BLAND
GEORGE JOACHIM-FRIEDRICH BLOME
HELEN LOUISE BURGETT
MICHAEL ROBERT CARTER
HARRISON LEON CHURCH
JUDITH KAY CONE
CHRISTINE ELIZABETH CZURYLO
RONALD NEIL DECOOK
DARRAGH BLAINE DIAMOND
JEAN ANN EVEN
JOHN GRIFFITH FORDOF
SUSAN JOYCE GELFAND
JAMES DOUGLAS HANCOCK
EDITH FLORENCE HANSON, High Honors
LARRY WAYNE HARNEY, Honors
CAROL JEAN HICK
JANICE BURKE HOLMES
JOHN CARROLL HUBBARD
LAWRENCE VERN JAGNOW
CHARLES FRANK JANOVSKY
JEANNETTE LOUISE JOHNSTON
JEWEL ANN JONES
ROBERT MERLE KAHN
BETTY KALLOS
ANN HYDE KALMAN
JERRY LEE KALMAN

LARRY MICHAEL KLINGMAN
VALENTINAS LEOPOLD KRUMLIS
KAREN SUE LUCAS
KALIOPEE CLEO MALAGARIS
JUDITH CHARLOTTE MARCS
DENNIS DECURTICE MCMAN
JEROME ANDREW MOCH
GEORGE MICHAEL MORRIS
DONALD GENE MUNSON
PAULA JEAN PETERS
DONALD ROBERT PUKALA
KAREN WISE ROSENBERG
GERALDINE MARION RUKSA
GARY ALAN SATHER
RUTH CAROL SCHMIDT
DAVID CONNER SHAUL
Marilyn Ann SKOR
GRETCHEN SLICK
GEORGIA SMITH
HOWARD ROY SOLOMON
DOROTHY DEGENKOLB WETZEL
SANDRA LOIS WEXLER
SUSAN MARY WIELISCHAK
SUSAN LEE WILLIAMS
BARBARA LYN YORK
DONALD LEE ZUKOWSKY

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Architecture

NEIL DONALD ANDERSON
JAMES SHIGETOSE AKI
GEORGE WILLIAM BLOOME
LOUIS OTTO BOLWAHNN
JEAN PAUL BUDINGER
JAMES FRANCIS CARBERRY
HENRY STOW CHAPMAN, Honors
JERALD LYNN CLARK
DOUGLAS WILLIAM COCKFIELD
FRANK JOHN COMBER
DONALD JOSEPH CROUCH
VAIDOTAS DAUKANTAS
JAMES NICK ECONOMOS
ROBERT RICHARD ENGELKE
GRAHAM GLEN ENGELKE, High Honors
EDWARD MICHAEL FINE
LONNIE LE MARR FRYE
JAMES LEE GIBSON
BARRY ALAN ZOLDSBERG

MARVIN GUNNAR GRAHN
ANTHONY JAMES GRIFFIN
LEON SYLVESTER HARLAN, JR.
BARNABAS PETER JOSEPH HARRINGTON,
High Honors
NICK HONCHARUK, JR.
STUART KALMAN JACOBSON
JENS ANDREW JENSEN
WILLIAM STANLEY JESSUP
RICHARD LEE JOHNSON, High Honors
THOMAS SHIGERU KATSUYOSHI
KENNETH CLYDE KELLEY
ROBERT DALE KLEINSCHMIDT
HARRY STEVEN KROEGER
RICHARD GRANVILLE LAXEN, High
Honors
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WALLACE JAMES TOSCANO
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ERNST PETER WASILEVICH
MICHAEL THOMAS WILLIAMS, Honors
MYRON JOSEPH WIMMER, JR.
RICHARD STANFORD WINTERGREEN
DAVID WALTER ZEUNERT
CONSTANTINE GEORGE ZISSIMOPoulos

Degree of Bachelor of Fine Arts

In Advertising Design

JOHN MICHAEL CHOUS   KENNETH ALAN MONTONE, Honors
KENNETH EUGENE CROUSE   JAMES STANLEY MURRAY, Honors
JERVIS WILLIAM HILL   BILL DEE SANDERS
SHERIDAN ARTHUR LEE   BARBARA SUE SMITH
EDWARD LYONS, Jr.    JOAN PAULINE WAHRER

In Art Education

JANICE LOUISE BERTRAM   CHARLOTTE LOUISE NESMITH
MELVIN WHITSETT CARTER   MARJORIE LEE NOVELLE, Honors
JUDY DIANE GENE   SUSAN SMALLA PERKINSON
MARY LEE ISEL, High Honors   BARBETTE JOAN ROTHCHILD
LYNN SMITH JAEKNE   TONI LYNN SATHE
JOAN ABBY MALL, Honors   ISABEL AMELIA WALTERS
LESLIE LOUISE MARKS

FLOYD DALE ROUSH

KATHRYN JO KALB, Honors

In the History of Art

ESTHER MAGGOS

In Industrial Design

JEAN A. ALBRECHT   MANFRED GEORG NIKOLAUS
DAVID RICHARD BUTLER   HARVEY RICHARD OSTERSH
DONALD GENE FALK   JOHN BRUCE REA
BRUCE PAUL PINK    FRANCIS BENINGTON RECKITT, JR.
RICHARD VICTOR HESS   NORVID ROOS
LAWRENCE EMMERSON HOUSE II   HENNING JORGE SPEYER
ROBERT CHARLES LAMPERTIUS   DEAN EDWARD WILSON

In Landscape Architecture

BRUCE JOHN CONROY   WILLIAM HARVEY RAY
DANIEL ALAN DAY   JOHN WILLIAM RIPLEY
CARL LUDWIG GOETZ   BERNARD CHARLES ROSAUER
THOMAS HOMER JOHNSON

In Painting

RACHEL MINNA BARON   PHYLLIS MARY HALPERIN, High Honors
TRACY GAY BYROM, Honors   CECILIA AMELE KRCMAR, Honors
JUDY LYNN CARLSON   SANDRA LYNN LESHRNER
CAROL ANN COMISKY   WILHELM FRIEDRICH LINDEN
WILLIAM SHERMAN DOWNEY, Jr., Honors
JUANITA LA VERNE GAMMON
MARGARET RUTH GILDER
Marilyn Iris GOLUB

In Crafts

KATHRYN JO KALB, Honors

In the History of Art

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DONALD GENE FALK   JOHN BRUCE REA
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CAROL ANN COMISKY   WILHELM FRIEDRICH LINDEN
WILLIAM SHERMAN DOWNEY, Jr., Honors
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Marilyn Iris GOLUB

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WILLIAM SHERMAN DOWNEY, Jr., Honors
JUANITA LA VERNE GAMMON
MARGARET RUTH GILDER
Marilyn Iris GOLUB
SUSANNE LUCIENNE PHILIPPSON, High Honors
Marilyn Lucille Wilson, Honors

In Sculpture

Degree of Bachelor of Music

John Raymond Bieilenberg
Margaret Abbott Ksander, High Honors
Michael Richard Rogers, Highest Honors

William Russell Skidmore, High Honors
Collette Marie Sroka, Highest Honors
Robert Scott Tyler

Degree of Bachelor of Science

In City Planning

Frank Lynn Ballif Albert
Charles Edward Bateson
August Carl Chidichimo
Ella Isabel Flores
William Thomas Gelman

Roy Toru Kato
Melvin Joseph Schneidermeyer, Honors
Clifford Glenn Strassenburg

In Music Education

Carolyn June Beaty
Coralea Gabriel Berg
John Raymond Bieilenberg
Patricia Kay Cheney
Kathleen Joyce Cline, High Honors
Donald Melvin Collins
Janice Deane Corum, Highest Honors
Beverley Gene Davis
Jo Ellen Dutton, Highest Honors
Susan Ent
Frederick Dean Fairchild
Lila Dawn Fairchild, Honors
James Harvey Felts
Melvin LeRoy Flood
Harvey Albert Hermann, Jr.
Aaron Lee Johnson
Janette Lynne Johnson

William Dean Kisinger, Honors
Terry Ridgely Klaus
Joel Paul Klein, Honors
Delmar Arthur Lohn, High Honors
Brenda Brown McNeilland, Highest Honors
Jane Ellen Myrick, Highest Honors
James D. Nelson, High Honors
Carol Lou Oyster, High Honors
Kim Robert Richardson, High Honors
Robert John Ruckriegel, Honors
Wesley John Schumacher
Mary Ellen Simonin
Judith Ann Tracy, Highest Honors
Marla Kovacevich Wheatland
Phyllis Lea Worthington

Colleges of Physical Education

Degree of Bachelor of Science

In Health Education

Janet Joyce Devine

Delmar Joe Stauffer

In Physical Education

Letta Ann Ackerman
Wayne Stanley Ambrose
Barbara Fay Arnold
Larry Leon Balabanow
Harry James Barrette
William George Burwell
John Joseph Collins
Ione Ruth Cribb
Theodore Joseph DeRousse, Jr.
Robert Clifford Donoho, Honors
Judith Louise Edlund
Janet Elsie England
Sandra Lee Fairchild
Dennis Luther Harris, Honors
Patricia Ann Hostetter

Leslie Gee Howard
Ann Brandenburger Imboden
Jerold Earl Kahle
Edward Frank Kral, Jr.
Marlene Joy Lance
Charles Ralph Leonard
David George McGann
Arthur Raymond Michaely
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Mary Ellen Saer
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Alan Keva Smiley
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NANCY DIANE THOMSON

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FRANCIS DEAN BORROR
ROBERT BRAUN DANIEL
BARBARA LOUISE DANLEY
LETITIA ANNE EDWARDS
ALAN DAVID GREENBERG
MARCIA MANETTE MENDELSON, Honors

COLLEGE OF VETERINARY MEDICINE

Degree of Bachelor of Science
In Veterinary Medicine
RALPH ANTHONY BAER
PAUL LEE CARON
BEVERLY YVONNE COCKRELL
ROBERT DYKEMAN DAVIS
MARTIN PAUL DEANGELIS
ALBERT STEVEN DORN
JIMMY JAY ESTES
JOSEPH JOHN POERNER, JR.
RICHARD EUGENE FREDICKSON
BILLY RAY GARLICH
RAYMOND THOMAS HUSTON
ALAN KENT KREMER
DAVID WINSTON LAW

Degree of Doctor of Veterinary Medicine
JOAN MARTIN ARNOLODI
NORBERT LEO ARNOLDI
CURT HERMAN BARTHEL
WESLEY GERHARDT BEERITZ
ROBERT WORTHY BISHOP
RICHARD LEE BRYANT, Honors
WALTER WILLIAM DALITSCH, JR.
BARBARA PETERSON DEEB
JOHN OTIS DICKSON
DENNIS WILSON DUFFIELD
HAROLD WILLIAM GEHRIG
LARRY STUART GOODWIN
SANDRA THERESA GRONTEKOWSKI
CARL JAY GUARICLIA
ELMER CHARLES HENDRICKS, High Honors

Degrees Conferred at Chicago

HONORARY DEGREES
Degree of Doctor of Science
DETLEV W. BRONK, Ph.D.

GRADUATE COLLEGE

Degree of Doctor of Philosophy
In Anatomy
GORDON CHARLES BLAHA, B.S., Northern Illinois University, 1957; M.S., 1961
DALE EDWARD BOCKMAN, B.S., Southwest Missouri State College, 1956; A.M., Los Angeles State College, 1958
SARA EISENBERG, M.S., University of Mexico, 1960
In Biological Chemistry

Albert Baba Danielzadeh, B.S., M.S., Loyola University, 1956, 1958
David Allen Dennn, B.S., M.S., 1953, 1955
Edward John McGuire, A.B., Blackburn College, 1958
Tarakad Venkateswar Raykumar, A.B., University of Madras, 1953; M.S., University of Kerala, 1955; M.S., De Paul University, 1959

In Chemistry (Pharmaceutical)

Madhukant Mansukhlal Doshi, B.S., University of Bombay (India), 1956, 1957; M.S., University of Michigan, 1958
Lee Timothy Grady, B.S., 1959
Milton Joseph Kornet, B.S., Purdue University, 1957
Jacob Lehrfeld, B.S., 1956
Oreste LeRoy Salerni, B.S., M.S., Duquesne University, 1957, 1959
Fred Allen Turner, B.S., M.S., 1955, 1958
Thomas Laurence Welsh, B.S., 1959

In Microbiology

Ronald Alan Zussman, B.S., Loyola University, 1957; M.S., 1959

In Physiology

Henry Lawrence McCrorey, B.S., M.S., University of Michigan, 1949, 1950; M.S., 1959
Ernest John Sukowski, B.S., Loyola University, 1954; M.S., 1959

Degree of Master of Science

In Anatomy

Lyle Eugene Brumley, A.B., Grinnell College, 1961
MacDonald Cave, A.B., Susquehanna University, 1961
Erica Bachem Friederici, B.S., Northwestern University, 1948
Thomas Allen Weidman, B.S., Illinois Wesleyan University, 1955

In Biological Chemistry

Emil Athineos, A.B., University of California, 1958
Filor Kaloust Chordikan, B.S., American University of Beirut (Lebanon), 1957
Alan Scott Levin, B.S., 1961
Maija Ida Meulners, B.S., 1958

In Chemistry (Pharmaceutical)

Peter Noel Cope, A.B., Northwestern University, 1959

In Histology (Dental)

Samuel Bernard Galkin, D.D.S., Temple University, 1958 (In Absentia)
C. Paul Omsanski, D.D.S., University of Buffalo, 1960
Dennis Francis Weber, D.D.S., Marquette University, 1957

In Microbiology

Robert Lee Baldwin, Jr., B.S., Howard University, 1957

In Oral Pathology

Arup Kumar Das, M.B., B.S., University of Calcutta, 1953

In Oral Surgery

Lawrence Sherwood Hochman, B.S., D.D.S., 1957, 1959

In Orthodontics

Richard Earl Emrich, B.S., D.D.S., Ohio State University, 1953, 1961
Yasu Kukuda, D.D.S., Loyola University, 1956
DONALD JAMES O’DONOGHUE, B.D.S., University of Queensland (Australia), 1959
ELISHA ROSCOE RICHARDSON, B.S., Southern University, 1951; D.D.S., Meharry Medical College, 1955
EARL NELSON SEAVALL, D.D.S., Creighton University, 1961
DAVID FRANK ZAK, D.D.S., Loyola University, 1956

In Pharmacology
LEON IRWIN BENDER, B.S., 1959
ONA EUGENIJA MICKEVICIUS ZUKAUSKAS, B.S., Mundelein University, 1959; M.D., 1962

In Pharmacy
DANIEL ALOYSIUS NONA, B.S., 1958
ROBERT GRANVILLE WILSON, B.S., Massachusetts Institute of Technology, 1946, 1947; B.S., 1961

In Physiology
DONALD JACKSON BOOK, B.S., Purdue University, 1959

In Surgery
RICHARD GEORGE CALDWELL, A.B., M.D., University of Vermont and State Agricultural College, 1955, 1960
JEAN-CLAUDE GAZET, M.D., B.S., Guys Hospital (England), 1951
BRIAN McKIRBIN, M.B., Ch.B., University of Leeds (England), 1955
PARVIZ PARSA, A.B., Texas Technological College, 1954; M.D., Baylor University, 1960
ROBERT PAUL ROSSWICK, M.B., B.S., University of London (England), 1955
JAMES ANTHONY SANDROLINI, B.S., M.D., 1955, 1957

COLLEGE OF DENTISTRY
Degree of Bachelor of Science in Dentistry
Conferred June 8, 1962

ALLEN WENDELL ANDERSON
GUNA MARA ANDERSON
HELMUT ADAM AWENDER
KENNETH EDWARD BALA, with Honors
JAMES ALLEN BERENS
RICHARD JEROME BERKOWITZ, B.S., Drake University, 1960
HOWARD THEODORE BLOCK
HAROLD WILLIAM BONUS
MELVIN BURACH BORG
LESLIE JOSEPH BRAUN, Jr.
PETER EMANUEL CASTRITIS, B.S., 1959
RICHARD JAY CHOMAN
NELSON THOMAS CROWELL
MICHAEL JOSEPH DAVEY
DONALD JOSEPH DECHRISTOPHER
MAURICE DICKMAN, B.Ed., Chicago Teachers College, 1953
JOHN PAUL ENGLAND
LEWIS ERSKINE FRAZIER
THOMAS BLAIR FRAZIER, A.B., Monmouth College, 1960
JERRY DEAN GARDNER
GARY ALLEN GASBARA
CARL RICHARD GILMORE, A.B., Beloit College, 1960
LEON FLOYD HARRES
JAMES CHARLES HICKEY, B.S., Capital University, 1957; D.D.S., 1961
CHARLES ERIC JOHNSON
WILLIAM NILS JOHNSON

RICHARD DUKE JONES
JEROME FREDERICK KATZ
ALBERT HENRY KRAUSE
GEORGE BIRKLAND MAXWELL, JR., A.B., Southern Illinois University, 1960
ROBERT KAY MICK
EMORY RUSSELL NELSON, A.B., Northwestern University, 1960
WALTER EDWARD OLSO, A.B., Illinois Wesleyan University, 1955
IRWIN WILLIAM PEARLMAN
DARRYL JOHN PIROK
ROBERT JOSEPH POKORNY
GARY ALAN QUICK
EMIL LEROY RIGG, D.D.S., 1961
FAREL ARTHUR ROSENBERG
KENNETH PAUL ROTTMAN, B.S., Tulane University, 1958
SHELDON ARNOLD RUDNICK
ALAN JAY SHAPIRO, B.S., Roosevelt University, 1960
JERRY LEE TADD, A.B., Southern Illinois University, 1959
THOMAS NEWMAN VAUGHN, D.D.S., 1961
DONALD PHILIP WEISSMAN
SAMUEL STUART WEXLER
BRUCE LEE WOLFF
RAMON MATHEW ZOLLER, JR., B.S., 1959; with Honors
Degree of Doctor of Dental Surgery

Conferred September 8, 1962

EDWIN THOMAS JACH, B.S., 1954; M.S., 1958
JEROME FREDERICK KATZ
LAWRENCE MARK LEVINE, A.B., 1958

Conferred June 8, 1962

GERALD MAURICE REED

Conferred June 7, 1963

LAWRENCE LOUIS MELAIAK
EDWARD LAWRENCE MICHALEC, B.S., 1961
ROBERT PATRICK MOFFETT, B.S., 1961
ARTHUR MOW, A.B., College of the Pacific, 1959
DAVID JAY MYERS, A.B., 1959
HOWARD HAROLD POLK, B.S., 1961
RONALD JAY POPPER, A.B., 1959
DONALD JOSEPH PROVENZALE, B.S., Loyola University, 1959
GEORGE RICHARD RAMSEY
MURRY WILLIAM RANDELL, B.S., 1961
GERALD MAURICE REED, B.S., 1962
ROBERT CHARLES KEUSS, B.S., 1961
JOHN LEROY REYHER, B.S., 1961
LARRY LEE RICHARDS, B.S., 1961
EDWARD FRANK SARSIA, B.S., 1961
GENE JAMES SRALCHIERO, B.S., Monmouth College, 1959
RICHARD FRANK SCHMITZ, B.S., 1955, 1961
ROY ALAN SHELLOW, B.S., 1961; with Honors
EUGENE BROWNLOW SHORT
MARVIN JOSEPH SOMMERFELD, B.S., 1961
ALAN MARVIN STEVENS, B.S., Roosevelt University, 1957
KENNETH WILLIAM STIEGEL
PAUL HARVEY STINES, B.S., 1961
JERRY LEROY STONEKING, B.S., 1961; with Honors
EDWARD MORTON SWARTZ
JOHN TAKESHI TAKEKOSHI, A.B., LaSierra College, 1958; B.S., 1961
RICHARD CASEY TALBOT, B.S., Purdue University, 1955; B.S., 1961
GEORGE CASIMIR THOMAS, Jr., B.S., 1961
DALE JOSEPH VERCELLOTTI, A.B., North Central College, 1958; B.S., 1961; with Honors
THOMAS DONALD WESLEY, B.S., De Paul University, 1955
KENNETH LEE WINTER, B.S., 1961
BRUCE LEE WOLFF, B.S., 1962
RAMON MATHW ZOLLER, Jr., B.S., 1959, 1962; with Honors
COLLEGE OF MEDICINE

Degree of Bachelor of Science in Occupational Therapy

Conferred June 7, 1963

LINDA KAREN KAHN
EMILY DODSON KRUECK, with Honors
SUSAN PHYLLIS SACKTER LARSON
SUSAN CARMELAlime LUSTFIELD
Meredith Marie Magenheimier

Degree of Doctor of Medicine

Conferred September 8, 1962

BERNARD DAVID BROOKS
RONALD JOSEPH CISEKOSKI, B.S., St. Mary's College, 1958

Conferred June 7, 1963

NEIL ROGER AARONSON, B.S., 1959
NEIL STUART AGRUSS
Jose Aruguete, A.B., North Central College, 1959; with Honors
NORMAN LEONARD AVES, B.S., Northern Illinois University, 1959
EDWARD HARRIS AXELROD, B.S., Roosevelt University, 1959
VALERIE ROSE BANDELIN, B.S., 1953
ROBERT ALLAN BEHRMEYER, B.S., Elmhurst College, 1959
CHARLES EDWIN BELL, A.B., Washington University, 1959
KLASS ERIK BILLWONS
Paul Joseph Biedenharn, A.B., Washington University, 1959
ROBERT ALLAN BIELINSKI
Irwin Lionel Bliss
DONALD JACKSON BOON, B.S., Purdue University, 1959
PETER BORMANN, A.B., Northwestern University, 1959
DEE CHARLES BOSWELL, B.S., 1959
JOSEPH DAVID BOYD
THOMAS HENRY BRENDLE
MARVIN BERNARD BROOKS
LAWRENCE BRYKSEN
EARL SCOTT BUTCHALE, A.B., McKendree College, 1954
DALE FORREST BURTON
CARLOS BOYD GODFREY CAMPBELL, B.S., M.S., 1955, 1957
WILLIAM DELOS CARLOCK, A.B., 1960
ALLEN BRUCE CARLSON
ROBERT ALLAN CARRARA
RICHARD GLENN CHENOWETH, B.S., 1957
THOMAS WILLIAM CLARK
SEYMOUR IRA COHEN, B.S., 1958
ARNOLD MARVIN COHN, A.B., Northwestern University, 1959
FRED VAIL COHILL, B.S., 1957
PHILLIP ALEXANDER COLLINS, A.B., Xavier University, 1959
BERNARD LEONARD CONIGLIO, Jr., A.B., Virginia Military Institute, 1959
DAVID HENRY COPE

Rayna Jean Michael
Susan Hart Packard
Patricia Loraine Sadlon
Louise Evelyn Toppe, with Honors

LINDA KAREN KAHN
EMILY DODSON KRUECK, with Honors
SUSAN PHYLLIS SACKTER LARSON
SUSAN CARMELAime LUSTFIELD
Meredith Marie Magenheimier

Degree of Bachelor of Science in Occupational Therapy

Conferred June 7, 1963

EUGENE DAMON, A.B., Rockford College, 1959
JAY LEONARD DASKAL, B.S., 1959
DENNIS PAUL DAVIT
FRANCIS O'BRIAN DAVIS
NORMAN EUGENE DRAINBARGER, B.S., Eastern Illinois University, 1959
TERRENCE CONSTANT DEMOS, B.S., Roosevelt University, 1959
DIAMOND DONALD DETTore
JOHN GILBERT DIETRICH, B.S., 1959
JOHN MICHAEL DLUHY, B.S., 1959
HENRY DANIEL DRAYER
BURDETT SHERIDAN DUNBAR
LAWRENCE FREDERICK DUNKELBERGER
JOSEPH ARTHUR DUPONT
CHARLES THEODORE EGLI, B.S., Wheaton College, 1959
PETER CASE EVANSON
ROBERT EVERAKES
RONALD ALLAN FEINGOLD
BRUCE DUANE FICK, B.S., 1959
PETER JOHN FISCHINGER
BERNARD PATRICK FLAHERTY, B.S., Roosevelt University, 1959
DONALD JOSEPH FLEISCHLI, with Honors
ROBERT PAUL FORESMAN
PETER LEIGH FORBES, B.S., Wheaton College, 1959
JOHN ROSCOE FOSTER, B.S., Northern Illinois University, 1959
DAVID ALEXANDER GALLO
DAVID HAROLD GARFIELD
ARTHUR EDWARD GATENBY
JAMES THEODORE GLADISH, B.S., 1959
MITCHELL SHERWIN GOLDBERG, B.S., Illinois Institute of Technology, 1960
MARSHALL DAVID GOLDFIN
ARNOLD BURTON GROVE
DONALD LEE GRIFFIN
LARRY CHARLES GUNN
Daniel Gutierrez
Robert Alan Guziec
Jerome Warren Hamburger
Donald Elmer Hardbeck, B.S., Shurtlett College, 1957
Clarence Richard Hart, A.B., Loras College, 1959
Charles William Hase
Albert Dipong Haverkamp, A.B., University of Notre Dame, 1959
Gilbert Morris Heffer, A.B., University of California, 1959
Roger Cline Hendricks, B.S., 1959
Charles Golden Hendrickson, B.S., 1959
Leo Merrill Henikoff, Jr., with High Honors
Daniel Joseph Herman
Philip Edward Hill, B.S., Iowa State College, 1959
Travis Lee Hindman
Paul Thomas Hohe, A.B., Knox College, 1959
Ralph David Holmsten, B.S., Wheaton College, 1958
Richard Lee Hughes, A.B., Southern Illinois University, 1959
Paul Vivian Humbert
Jon Irwin Isenberg
Donald Robert Jasinski
Edward Stephen Jennings, Jr., B.S., Loyola University, 1959
Roger Eugene Jinkins
James Theodore Johnson
Dale Keith Jones, A.B., Southern Illinois University, 1959
Jerroll Marvin Kaplan
Lawrence Kayton
Kenneth Roland Keer
Ronald Leon Kelsey, B.S., Northern Illinois University, 1958; with Honors
Robert McCurdy Kennedy, A.B., Oberlin College, 1959
Donald Lee Kerste, B.S., Northwestern University, 1959
Marvin Herman Klaiman, A.B., 1959
Donald John Koziol
Arthur Ellis Kroff, B.S., 1959
Philip Anthony Laspina, B.S., 1958
Joseph Henry Lee, B.S., University of Notre Dame, 1958
Edward Neil Levin
Ralph Joseph Levin, with Honors
Sherwin Zelman Levin
Richard Barry Levine
Arthur Gerald Lipman, B.S., 1959
Michael Paul Lipsich
Phillip Marvin Loeb
Leon Gerson Lome
James Richard Lochs
Marshall Donald Lustgarten
Michael Marchi
Judith Lee Marsden, B.S., University of Wisconsin, 1959
Charles Elbert Mason, A.B., Lake Forest College, 1959
Roger Alan Maupin, B.S., 1959
Joseph Howard Mauritzzen
Bart Richard Mayron
James Adelbert McDermott, B.S., Wheaton College, 1958
Michael Allan Messenger, A.B., Ripon College, 1959
Stuart Ronald Meyers
Alan Paul Mintz, B.S., University of Chicago, 1959
David Arthur Morowitz
Alan Howard Morris
James Joseph Needles, A.B., Washington University, 1958
Norman Joseph Nemoy
Kerry Jon Newman
Nicholas Peter Ninos, A.B., B.S., Bradley University, 1958, 1959
Stewart Ira Odell
Lawrence Gehl Ober
Robert Charles Papp
Ray Jean Pensinger
Joseph Thomas Pickard III, A.B., University of Kansas, 1959
Thomas Hugh Pinkstaff, A.B., Greenville College, 1959
Jerroll Polterock, B.S., 1959
Henry Herschiel Reeves
James Calvin Reid
Lawrence Keith Richards
Mack David Richey
Jerry Lee Roberts
Gehrig Mac Robinson
David Leif Roseman
Joel Sandor Rosen, B.S., 1959
Stephen Bernard Ruskin
Edward Joseph Saad
Lawrence Merle Sampson
Martin Westbrook Schaefer
John David Schmale, B.S., Wheaton College, 1959; with Honors
Ronald Michael Schmidt
Merle Joseph Schrodt, A.B., 1959
Charles Andrew Setterstrom, B.S., Wheaton College, 1959
Sharon Ruth Frankel Siegel, B.S., 1959
Robert Frederick Siegert, B.S., 1959
Burton Errol Silver, B.S., Roosevelt University, 1959
Marvin Lee Skoglund, B.S., Western Illinois University, 1959
Charles Slavik
Robert Lee Smith
David Sheldon Solomon
Samuel Solomon, B.S., 1959
Jerry Gorton Spnney
Richard Lyle Sperling
J. Bruce Stadwiser, A.B., 1959
FRED RICHARD STARK, A.B., 1959  
ROBERT ALAN STONE  
ALAN JOHN STUTZ, A.B., Beloit College, 1959  
PHILIP ARTHUR SWANSON, B.S., Northern Illinois University, 1959  
JOHN FREDERICK TAUBER, B.S., 1958; M.S., Illinois Institute of Technology, 1959  
CHARLES DOUGLAS TAYLOR  
DANIEL EINAR THOR  
JERALD TORNEHEIM  
GARY LAWRENCE TURPIN, A.B., Illinois College, 1959  
PAUL CORNELIUS VANDERBILT  
CHARLES MINDAUGAS VYGANTAS  
BARRY ROBERT WEISS  
ROBERT ALLEN WEISSMAN  
JOHN DANA WELCH  
MARK ALAN WELLEK  
CHARLES FREDRICK WHITE  
HARRY WHITELAY, A.B., University of Chicago, 1956  
LORIN DIXON WHITTAKER, JR., B.S., 1959  
RAYMOND GOLDEN WILKESON, JR., A.B., University of Chicago, 1955  
ROGER ASPAD WILLIAMS  
BURTON FRANK WILLIS  
ERIC BIRGER WILSON  
JOSEPH ALPHONSE ZALAR, JR.

COLLEGE OF NURSING  
Degree of Bachelor of Science in Nursing  
Conferred December 14, 1962  

JANICE EICHORN MILLER  
Conferred March 16, 1963  
ROBERTA BEREK  
MARY LOU BYERS  
ELAINE JEAN DLOUGHY  
JANET IRENE PHON, with Honors  
Conferred June 7, 1963  
BARBARA THOMAS ALEXANDER  
DOROTHY BELL  
JANET LUAN BOULTINGHOUSE  
SANDRA ROSE CIOTOLA  
PARSILA AGITA DRULLIS  
LOU ANN DUNHAM  
JANET RUTH ERICKSEN  
JOSEPHINE ANN GUINTA  
KAURIKENE LANA KAYMAN  
EUSTACHIA DIANE KNOEDLER  
JANET ORI LOBATS  
JUNE EDITH MACURE  
Ann Elizabeth McFarland  
Frances Janet McGuire  
Arlene Judy Miller  
Bette Rose Ozmon  
Grace Taylor Putnam, with Honors  
Carole Jean Robertson  
Lynn Ann Robertson  
Betty June Rothacker  
Marilu Scoggin  
Mary Mildred Smith  
Carol Agnes Vogel  
Sally Ann West  

COLLEGE OF PHARMACY  
The Degree of Bachelor of Science in Pharmacy  
Conferred August 11, 1962  

GENE PAUL BERNARDONI  
ROBERT DEAN CARPENTER  
DAVID JULIUS GERTZ  
Conferred March 16, 1963  
ROBERT JOHN ANDERSON, JR., A.B., Knox College, 1954  
Conferred June 7, 1963  
JOHN MARK ABRAMIC  
STANLEY DONALD ADAMCZYK  
GILBERT WILLIAM ADELSTEIN  
IRWIN AXELROD  
NANCY SUE BELLMAN  
GERALD EDWARD BEJNAROWICZ  
GREGORY BOGAN BISHOP  
DONALD LYNN BLANK  
BARTHOLOMOW MARTIN BLINSTRUP, A.B., Monmouth College, 1959  
JAMES ALBERT BOUCHARD  
RONALD FRANK BRACH  
WESLEY NEIL BREEZE  
RALPH EDWARD BROWN  
ROBERT LEONARD BULINSKI  
JOHN AUGUST CAROLAN  
MARVIN EARL CAUSEY  
ALLEN RONALD COHN  
DENNIS EARL COLE  
JAMES EDWARD COLTMAN  
JAMES ALBERT CONROY, with Honors
At its annual meeting on March 20, 1963, the Board of Trustees of the University of Illinois adopted a resolution authorizing its President
and Secretary to delegate the signing of their names to vouchers to be presented to the Auditor of Public Accounts and to warrants drawn on the Treasurer of the University under the conditions specified in the resolution. The Secretary requests that this resolution be amended to include authorization of Virginia J. Hendrix and Catherine C. Cacioppo to sign his name as Secretary of the Board of Trustees to vouchers against the Auditor of Public Accounts and to warrants on the University Treasurer, covering vouchers approved in accordance with regulations of the Board.

On motion of Mr. Swain, the resolution of March 20, 1963, was amended as requested.

LETTER FROM THE PRESIDENT OF THE UNIVERSITY OF ILLINOIS CHAPTER OF THE AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS

President Clement called attention to a letter dated June 13, 1963, received by all members of the Board of Trustees from the President of the University of Illinois Chapter of the American Association of University Professors concerning the action of censure taken at the annual meeting of the Association. The following is an extract of the paragraphs in the letter pertinent to this matter:

"Those of us from this campus who were delegates to the Annual Meeting of the A.A.U.P. in San Francisco and those of us who were recently elected officers of the Urbana Chapter are deeply concerned about the effects of the censure and earnestly hope that events during the coming months will warrant removal of the censure at the next Annual Meeting in St. Louis. We believe that the great majority of the faculty share these views.

"In behalf of my colleagues, let me express the hope that the President and the Board of Trustees will be able to achieve an accommodation and understanding with the national officials of the A.A.U.P. so that Committee 'A' on Academic Freedom and Tenure will recommend removal of censure at the next Annual Meeting.

"The Urbana Chapter of A.A.U.P. has had a cordial and constructive working relationship with the University Administration for some years. We hope and expect that this relationship will continue unimpaired.

"Yours sincerely,
RICHARD C. WILCOCK
President"

President Clement has replied to this letter on behalf of the Trustees, and a copy has been filed with the Secretary.

SECRETARY’S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and terminations; leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ADELMAN, GARY S., Assistant Professor of English, Summer Session of 1963, June 17-August 10, 1963, $1,667 for the period (6-4-63).

ARAMAKI, SEIYA, Research Associate in Physics (C), one year from September 1, 1963, $7,500 (5-31-63).

ARNETT, EDWARD M., Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, $2,700 for the period (5-28-63).
ASTON, Katharine O., Assistant Professor of English, Summer Session of 1963, ½ time, June 17-August 10, 1963, $723 for the period (5-29-63).

BAKEI, J. R., Research Associate in Electrical Engineering (S), three months from June 1, 1963, $833.33 a month, supersedes (5-28-63).

BAKER, C. M. Ann, Research Associate in Physiology and Biophysics, three months from June 1, 1963, $650 a month, supersedes (5-31-63).

BAKER, RONALD L., Instructor in Business English, academic year beginning September 1, 1963, $5,000 (5-31-63).

BALDWIN, Gary N., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, $889 for the period (6-4-63).

BARTON, Furman W., Assistant Professor of Civil Engineering, Summer Session of 1963, ½ time, June 17-August 10, 1963, $676 for the period (6-4-63).

BATES, Cyril P., Instructor in Electrical Engineering (C), ¼ time, academic year beginning September 1, 1963, $1,350 (5-21-63).

BAULING, Frederick G., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963, ½ time, June 17-August 10, 1963, $1,200 for the period (5-6-63).

Beery, John L., Research Associate in Physics (C), one year from September 1, 1963, $8,000 (5-6-63).

Bennett, Delmond N., Assistant Professor of Speech and Theatre, ½ time, and Coordinator of the Summer Residential Program, ½ time, Summer Session of 1963, June 17-August 10, 1963, $1,556 for the period, supersedes previous Summer Session appointment (5-28-63).

Benzel, James F., Research Associate in Ceramic Engineering (S), three months from June 1, 1963, $550 a month, supersedes (5-31-63).

Bianchini, Albert C., Associate Professor of Theoretical and Applied Mechanics, Summer Session of 1963, ½ time, June 17-August 10, 1963, $934 for the period (5-6-63).

Bilokur, Borys, Assistant in Russian, Summer Session of 1963, June 17-August 10, 1963, $889 for the period, supersedes previous Summer Session appointment (5-6-63).

Blachford, Cameron W., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, $1,445 for the period, supersedes previous Summer Session appointment (5-28-63).

Bohdanska, Halina, Research Associate in Animal Science (S), September 16, 1963-August 31, 1964, $6,500 a year (5-23-63).

Bontbreit, Helen C., Research Assistant in Medicine (Medicine), one year from July 1, 1963, $5,150 (5-6-63).

Bradley, Wayne E., Research Assistant in the State Water Survey, one year from July 1, 1963, $7,200 (5-17-63).

Brandes, Royall, Professor of Economics, Summer Session of 1963, ½ time, June 17-August 10, 1963, $1,262 for the period, supersedes previous Summer Session appointment (5-23-63).

Brooke, John W., Professor of Civil Engineering, Summer Session of 1963, ¼ time, July 15-August 10, 1963, $374 for the period (5-23-63).

Brown, Loretta A., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, $5,000 (5-31-63).

Bruggie, John F., Research Assistant in Physiology and Biophysics, three months from June 1, 1963, $408.32 a month, supersedes (5-31-63).

Campbell, A. Norman, Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, $2,067 for the period (5-16-63).

Capps, Joan P., Instructor in Mathematics, ¼ time, and in the Computer Program, ¼ time (Vice-President's Office, Chicago Undergraduate Division), academic year beginning September 1, 1963, $6,400 (5-31-63).

Carter, Harry H., Jr., Instructor in Music, ½ time, academic year beginning September 1, 1963, $3,650 (5-13-63).

Chen, Yuh-Ching, Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, $889 for the period (6-4-63).

Chinnov, Igor V., Visiting Lecturer in Russian, Summer Session of 1963, June 17-August 10, 1963, $2,000 for the period (5-29-63).

Chow, David Kuo-Kien, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, $466.66 a month (5-28-63).
CHRISTIAN, JOHN W., Visiting Professor of Metallurgy (C), one month from June 16, 1963, $1,300 (5-31-63).

CLIFTON, JOHN J., Research Associate in Education (University High School), one year from September 1, 1963, $11,000 (5-31-63).


COSTELLO, GEORGE A., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963, $1/4 time, June 17-August 10, 1963, $945 for the period (5-6-63).

COURTNEY, HARLEY, Instructor in Accountancy, 1/2 time, academic year beginning September 1, 1963, $2,500 (5-15-63).

COWIN, JOHN W., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963, 3/4 time, June 21-August 16, 1963, $1,134 for the period (5-22-63).

CROW, MERWIN R., Instructor in Hygiene and Psychiatric Social Worker in the Health Service, one year from September 1, 1963, $9,000 (5-13-63).

DE MARIS, EDWIN J., Associate Professor of Management, Summer Session of 1963, June 17-August 10, 1963, $2,334 for the period (6-4-63).


DENNIS, J. RICHARD, Research Associate in Education (University High School), one year from September 1, 1963, $8,400 (5-31-63).

DENNIS, MRS. NANCY J., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, $5,300 (5-31-63).

DET WILER, BETTY C., Instructor in Mathematics, Summer Session of 1963, June 17-August 10, 1963, $1,445 for the period (6-4-63).

DILLEY, CLYDE A., Research Associate in Education (University High School), one year from September 1, 1963, $9,900 (5-31-63).

DJORUP, FRANS M., JR., Assistant Professor of Mathematics, two months from July 1, 1963, $708.33 a month, supersedes (5-13-63).

DREXLER, ROGER N., Associate Professor of Inorganic Chemistry, Summer Session of 1963, June 17-August 10, 1963, $2,023 for the period (5-16-63).

ECKLUND, ROBERT E., Instructor in Medicine (Medicine), one year from July 1, 1963, $7,200 (5-22-63).

ENKE, ERNEST L., Instructor in Accountancy, 1/2 time, academic year beginning September 1, 1963, $2,500 (5-22-63).

ERNST, EDWARD W., Associate Professor of Electrical Engineering, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $1,312 for the period, supersedes previous Summer Session appointment (5-23-63).

ERNST, RICHARD L., Instructor in Economics, academic year beginning September 1, 1963, $8,300 (5-22-63).

EXLINE, GERALD L., Instructor in Architecture, academic year beginning September 1, 1963, $7,500 (5-6-63).

FELLMANN, JEROME D., Associate Professor of Geography, Summer Session of 1963, June 17-August 10, 1963, $2,178 for the period, supersedes previous Summer Session appointment (5-16-63).

FERGUSON, WILLIAM A., Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, $2,112 for the period, supersedes previous Summer Session appointment (6-4-63).

FERRELL, RAY E., JR., Assistant in Geology, Summer Session of 1963, June 17-August 10, 1963, $889 for the period (5-16-63).
FERRIER, ELMER E., Research Associate in the Institute for Research on Exceptional Children, June 17-August 10, 1963, $1,000 (5-22-63).

FERRIS, DONALD R., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, $2,000 for the period (5-23-63).

FLENNER, ROSS H., Senior Research Programmer in the Digital Computer Laboratory, three months from June 1, 1963, $875 a month, supersedes (5-22-63).

FLUMMERPELT, JOSEPH R., Instructor in Music, ½ time, academic year beginning September 1, 1963, $3,650 (5-13-63).

FOGHT, JAMES L., Research Assistant in Chemistry, April 1-June 15, 1963, $488.89 a month, supersedes (5-6-63).

FUJITA, TOSHI, Research Associate in Chemistry, one year from September 1, 1963, $6,500 (5-28-63).

GANS, RENA, Research Assistant in the State Water Survey, one year from July 1, 1963, $5,700 (5-17-63).

GANTT, CLARENCE L., Assistant Professor of Medicine (Medicine), two months from July 1, 1963, $1,333.33 a month (5-9-63).

GERMAN, VICTOR F., Research Assistant in Chemistry, four months from May 1, 1963, $448.33 a month, supersedes (5-16-63).

GERSTNER, ROBERT, Assistant Professor of Civil Engineering (Chicago Undergraduate Division), June 24-August 15, 1963, $1,867, additional (5-17-63).

GLENN, FRANK Y., Instructor in Russian, academic year beginning September 1, 1963, $7,000 (5-31-63).

GOMOLL, ALLEN W., Assistant Professor of Pharmacology (Medicine), two months from July 1, 1963, $944.45 a month, additional (5-23-63).

GOURISHANKAR, VEMBU, Assistant Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, $1,689 for the period, supersedes previous Summer Session appointment (5-23-63).

GREENBERG, NATHAN H., Assistant Professor of Psychiatry (Medicine), one year from July 1, 1963, $15,500, supersedes (5-8-63).

GRIFFEY, ANN V., Counselor in Speech and Theatre — Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, $150 for the period (5-22-63).

GRUENER, BARBARA J., Research Assistant in the State Water Survey, one year from July 1, 1963, $5,500 (5-17-63).

GULDNER, RUTH C., Acquisition Assistant in the Library, one year from September 1, 1963, $5,500 (5-16-63).

HALE, JONATHAN, Counselor in Speech and Theatre — Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, $150 for the period (5-22-63).

HALKO, ARLENE A., Clinical Assistant Professor of Radiology (Medicine), ½ time, one year from September 1, 1963, $1,800, supersedes nonsalaried appointment (5-31-63).

HANSELL, SVEN H., Instructor in Music, academic year beginning September 1, 1963, $6,900 (5-22-63).

HARMER, RICHARD S., III, Research Assistant in Ceramic Engineering (C), one year from September 1, 1963, $5,400 (5-8-63).

HAYWARD, HAROLD N., Professor of Electrical Engineering in the Indian Institute of Technology, Kharagpur, India, one year from May 12, 1963, $19,621, supersedes (5-13-63).


Heller, FLOYD N., Instructor in Anesthesiology, Department of Surgery (Medicine), ½ time, May 10-August 31, 1963, $228.33 a month, supersedes nonsalaried appointment (5-24-63).

HENNE, BERTRAND W., Assistant in the Institute of Aviation, two months from June 16, 1963, $475 a month (5-16-63).

HESSELBERTH, CASSIUS A., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, $1,156 for the period, supersedes previous Summer Session appointment (5-23-63).

HETHERINGTON, JACK H., Research Associate in Physics (C), two months from June 16, 1963, $800 a month (5-22-63).
Hochhauser, Martin, Clinical Assistant Professor of Radiology (Medicine), 1/10 time, three months from June 1, 1963, $120.84 a month, supersedes (5-23-63).

Hohn, Franz E., Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, $2,400 for the period (6-4-63).

Hunt, Charles K., Associate Professor of Chemistry, Summer Session of 1963, June 17-August 10, 1963, $2,156 for the period (5-16-63).

Ingalls, Robert L., Research Associate in Physics (C), one year from September 1, 1963, $8,500 (5-6-63).

Iversen, Mrs. Audrey N., Classics Librarian, with rank of Instructor (Library), one year from September 1, 1963, $7,500 (5-31-63).

Jacobson, Albert S., Research Associate in Education (University High School), one year from September 1, 1963, without salary (5-31-63).

Jennings, C. A., Visiting Lecturer in Speech and Theatre, 1/2 time, and in University Theatre, 1/2 time, Summer Session of 1963, June 17-August 10, 1963, $1,750 for the period (5-6-63).


Jones, Robert M., Instructor in Theoretical and Applied Mechanics (C), 1/2 time, academic year beginning September 1, 1963, $1,700 (5-6-63).

Katz, Morris W., Visiting Lecturer in Mathematics, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $1,000 for the period (6-4-63).

Kaufman, Marguerite S., Assistant Architecture Librarian, with rank of Instructor (Library), one year from September 1, 1963, $7,000 (5-14-63).

Kellom, Mrs. Isabel M., Assistant Professor of Occupational Therapy (Medicine), 1/2 time, four months from June 1, 1963, $354.17 a month (5-31-63).

Killian, Thomas J., Research Associate in the Coordinated Science Laboratory (C), 1/4 time, one year from September 1, 1963, $3,180 (5-28-63).

Kinney, Paul T., Assistant Professor of Finance, two months from June 16, 1963, $1,011.11 a month, additional (5-28-63).

Koch, Mrs. Anita, Assistant in Nursing, academic year beginning September 1, 1962, $5,150, supersedes (5-17-63).

Koester, Paul W., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, $2,000 for the period (5-16-63).

Kulik, John C., Clinical Instructor in Medicine (Medicine), 24/100 time, four months from May 1, 1963, $150 a month, superseded nonsalaried appointment (5-31-63).

Landry, Joseph P. F., Research Assistant in Physiology and Biophysics, three months from May 16, 1963, $1,333.32 (5-6-63).

Lang, Melvin, Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, $2,000 for the period (5-6-63).

LeBeau, Norman A., Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, $2,250 for the period (5-28-63).

Lee, Choochon, Research Assistant in Physics (C), two months from June 16, 1963, $934 (5-16-63).

Lehmann, John R., Jr., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, $1,423 for the period, supersedes previous Summer Session appointment (5-23-63).

Leon, Hector R., Assistant in Anesthesiology, Department of Surgery (Medicine), seven months from December 1, 1962, without salary (5-8-63).

Lieman, Daniel S., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, $933.32 (5-28-63).

Lindahl, Nero R., Research Assistant in the State Water Survey, one year from July 1, 1963, $7,500 (5-17-63).

Linderholm, Carl E., Instructor in Mathematics, Summer Session of 1963, June 17-August 10, 1963, $1,556 for the period (6-4-63).

Lopez-Belio, Mariano, Clinical Assistant Professor of Surgery (Medicine), 1/4 time, four months from May 1, 1963, $180 a month, superseded (5-6-63).

Lynch, Astra V., Research Assistant in Medicine (Medicine), one year from July 1, 1963, $5,150 (5-16-63).
MAINOUS, Bruce H., Associate Professor of French, Summer Session of 1963, ½ time, June 17-August 10, 1963, $1,145 for the period, supersedes previous Summer Session appointment (6-4-63).

MANDY, William J., Research Associate in Microbiology, three months from June 1, 1963, $625 a month (5-22-63).

MARTENS, Gert, Instructor in Electrical Engineering (C), ½ time, academic year beginning September 1, 1963, $2,600 (5-8-63).


McDONALD, Bruce E., Research Associate in Animal Science (S), August 1, 1963-August 31, 1964, $6,500 a year (5-29-63).

MCMASTERS, Donald L., Visiting Lecturer in Chemistry, nine months from September 16, 1963, $8,000 (3-28-63).

MCMURRAY, Carl D., Research Associate in Political Science, April 1-May 7, 1963, $1,008 (5-6-63).

MCQUIETY, Mary E., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, $5,200 (5-31-63).

MENDEL, Clifford W., Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, $2,667 for the period (6-4-63).

MOELLER, Kelvln K., Assistant in the Institute of Aviation, one year from September 1, 1963, $5,150 (5-28-63).

MOORE, Charles A., Assistant in the Institute of Aviation, two months from June 16, 1963, $450 a month (5-16-63).

MORGAN, Bruce W., Instructor in Economics, academic year beginning September 1, 1963, $8,500 (5-29-63).

MOSILLO, Francis Professor General Engineering (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,489 for the period (5-14-63).

MUELLER, Eugene A., Research Associate in the State Water Survey, one year from July 1, 1963, $11,700 (5-17-63).

MUELLER, Henry F., Research Associate in the State Water Survey, ½ time, one year from July 1, 1963, $4,625 (5-17-63).

MUELLER, Thomas E., Research Associate in the Coordinated Science Laboratory (C), ½ time, one year from September 1, 1963, $3,425 (5-28-63).

MUNSON, Karl F., Instructor in Rural Recreation Extension (Agricultural Economics, and Cooperative Extension Service) (C and E), June 1, 1963-August 31, 1964, $9,500 a year, supersedes (5-13-63).

MUSLIN, Hyman L., Assistant Professor of Psychiatry (Medicine), one year from July 1, 1963, $13,500 (5-13-63).

NEISWANGER, W. A., Professor of Economics, Summer Session of 1963, June 17-August 10, 1963, $934 for the period (6-4-63).


NESSLER, Francis A., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, $889 for the period (6-3-63).

NEWMARK, Nathan A., Professor of Civil Engineering, Summer Session of 1963, ½ time, June 17-July 13, 1963, $631 for the period, supersedes previous Summer Session appointment (5-23-63).

NISHIKAWA, Yoshiro, Research Associate in Chemistry, one year from September 1, 1963, $6,100 (4-22-63).

ORLAND, George H., Instructor in Mathematics, Summer Session of 1963, ½ time, June 17-August 10, 1963, $834 for the period, supersedes previous Summer Session appointment (6-4-63).

PADEN, Mrs. Elaine P., Assistant Professor of Speech and Theatre, academic year beginning September 1, 1963, $7,200 (5-31-63).
PAGE, KENNETH C., Electron Microscope Engineer in the Electron Microscope Facility (School of Life Sciences), four months from May 1, 1963, $1,041.66 a month (5-2-63).

PANEZINTO, JOAN C., Instructor in Music, academic year beginning September 1, 1963, $6,500 (5-26-63).

PARNAS, (M.R.) ITZHAK, Research Associate in Physiology and Biophysics, one year from September 1, 1963, $6,100 (5-31-63).


PENEV, LUBEN C., Clinical Instructor in Medicine (Medicine), 24/100 time, four months from May 1, 1963, $150 a month, supersedes nonsalaried appointment (5-31-63).

PERLMAN, RAYMOND, Associate Professor of Art, Summer Session of 1963, June 17-August 10, 1963, $2,223 for the period, supersedes previous Summer Session appointment (6-4-63).

PETERS, J. WILLIAM, Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, $2,345 for the period (6-4-63).


PIEPER, WILLIAM J., Instructor in Psychiatry (Medicine), ½ time, July 1, 1963-August 31, 1964, $7,000 a year (5-13-63).

PIKE, NELSON C., Visiting Lecturer in Philosophy, Summer Session of 1963, June 17-August 10, 1963, $1,900 for the period (5-16-63).

PINES, DAVID, Professor of Physics (C), two months from June 16, 1963, $2,000 a month; this is in addition to his present appointment (5-17-63).

PRITNER, CALVIN L., Assistant Theatre Therapist in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 45/100 time, June 17-August 10, 1963, $400 for the period (5-22-63).

QUAY, HERBERT C., Associate Professor of Special Education (Education) and of Psychology (College of Liberal Arts and Sciences), on indefinite tenure from September 1, 1963; and Research Director of the University of Illinois Children’s Research Center (Executive Vice-President and Provost’s Office), two years from September 1, 1963, $16,500 a year (5-14-63).

RAPFUSE, ROBERT W., JR., Instructor in Economics, academic year beginning September 1, 1963, $8,300 (5-22-63).

RALLEY, THOMAS G., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, $889 for the period (6-4-63).

RAMAJAH, KOMMINI, Research Associate in Chemistry, two months from July 1, 1963, $508.33 a month (5-22-63).

REILLY, JAMES R., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), ½ time, two months from July 1, 1963, $425 a month, supersedes (5-29-63).

RESEK, LOIS D., Research Assistant in the State Water Survey, one year from July 1, 1963, $6,300 (5-17-63).

RIPE, HAROLD, Instructor in Business Administration (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,434 for the period (6-4-63).

ROBERTS, MARGARET R., Research Assistant in the State Water Survey, one year from July 1, 1963, $6,000 (5-17-63).

ROEDER, PAUL J., Research Assistant in Ceramic Engineering (S), three months from June 1, 1963, $1,440 (5-28-63).

ROSSI, HARRIETT, Instructor in Nursing, one year from September 1, 1962, $7,650, supersedes (5-16-63).

RUBERER, CLIFFORD G., Research Assistant in Ceramic Engineering (S), three months from June 1, 1963, $1,335 (5-23-63).

RUST, RAY D., Research Assistant in Physics (C), two months from July 1, 1963, $934 (5-28-63).

SALINGER, RICHARD, Research Associate in Secondary and Continuing Education, one year from September 1, 1963, $11,000 (5-13-63).

SAGE, JEROME A., Instructor in Art, Summer Session of 1963, ½ time, June 17-August 10, 1963, $845 for the period (6-4-63).

SCHAUBLE, JOSEPH H., Research Associate in Chemistry, June 16-August 31, 1963, $1,334, supersedes (5-14-63).
SCHEYER, FREDERICK D., Assistant in the Institute of Aviation, two months from June 16, 1963, $465 a month (5-16-63).
SCHIAPPA, FERDINANDO B., Assistant in Anesthesiology, Department of Surgery (Medicine), three months from April 1, 1963, without salary (5-8-63).
SEABRIGHT, MRS. FRANCES K., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963, 1/2 time, June 21-August 16, 1963, $756 for the period, supersedes previous Summer Session appointment (5-14-63).
SHERBERT, DONALD R., Instructor in Mathematics, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $723 for the period, supersedes previous Summer Session appointment (6-4-63).
SIDEBOTTOM, OMAR M., Professor of Theoretical and Applied Mechanics, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $2,001 for the period, supersedes previous Summer Session appointment (5-6-63).
SIMS, ARTHUR L., Research Assistant in the Graduate College and in the State Water Survey, May 13, 1963-June 30, 1964, $9,000 a year (5-22-63).
SINGH, H. DEVENDRA, Research Associate in Animal Science (S), four months from May 1, 1963, $487.50 a month (5-14-63).
SKLAR, LAWRENCE, Visiting Lecturer in Philosophy, Summer Session of 1963, June 17-August 10, 1963, $1,600 for the period (5-16-63).
STARK, KURT, Research Associate in Chemistry, one year from September 1, 1963, $6,100 (5-28-63).
STARK, RUSSELL, Research Associate in Electrical Engineering (S), three months from June 1, 1963, $866.67 a month, supersedes (5-28-63).
TARRANT, MRS. LAURA C., Instructor in the Jane Addams Graduate School of Social Work, academic year beginning September 1, 1963, $7,500 (5-28-63).
TERRAS, VICTOR, Assistant Professor of Russian, Summer Session of 1963, June 17-August 10, 1963, $1,700 for the period, supersedes previous Summer Session appointment (5-29-63).
TERRELL, JR., Professor of Psychology, on indefinite tenure, and Dean of the College of Liberal Arts and Sciences (Chicago Undergraduate Division), two years from September 1, 1963, $21,000 a year (5-15-63).
THAYER, Frederick D., III, Assistant in Russian, Summer Session of 1963, June 17-August 10, 1963, $889 for the period, supersedes previous Summer Session appointment (5-28-63).

THIEL, Gerald E., Research Assistant in Physics (C), two months from June 16, 1963, $934 (5-16-63).

THIER, Herbert D., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, $11,400 (5-22-63).

THOMPSON, William R., Assistant in the Graduate School of Library Science, Summer Session of 1963, June 17-August 10, 1963, $889 for the period (5-16-63).

TIEBOUT, Harry M., Jr., Associate Professor of Philosophy, Summer Session of 1963, June 17-August 10, 1963, $2,067 for the period, supersedes previous Summer Session appointment (5-16-63).

TIECKE, Richard, Lecturer in Oral Pathology with rank of Professor (Dentistry), 1/5 time, three months from June 1, 1963, $600, supersedes (5-14-63).

TOROK, Nicholas, Associate Professor of Otolaryngology (Medicine), 1/2 time, three months from June 1, 1963, $1,066.66 a month, supersedes (5-28-63).


TUSING, Richard C., Instructor in Business Management (Bureau of Business Management), three months from June 1, 1963, $625 a month (5-23-63).


WAKAE, Masami, Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, $889 for the period (6-4-63).

WALKER, Robert A., Instructor in History (College of Liberal Arts and Sciences), 1/2 time, and in Teacher Training Counseling (Education), 1/2 time, academic year beginning September 1, 1963, $7,500 (5-28-63).

WEBB, Harold D., Professor of Electrical Engineering, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $1,256 for the period (5-23-63).

WEBER, Gerald L., Instructor in Economics, academic year beginning September 1, 1963, $8,300 (5-22-63).

WILL, Frederick L., Professor of Philosophy, Summer Session of 1963, 1/8 time, June 17-August 10, 1963, $413 for the period (5-16-63).

WILLIAMS, Ernest B., Clinical Associate in Preventive Medicine (Medicine), three months from June 1, 1963, without salary (5-23-63).

WILLETT, Maurita F., Assistant Professor of English (Chicago Undergraduate Division), June 21-August 16, 1963, $1,012, additional (5-17-63).

WITZKEN, John R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, $933.32 (5-28-63).

WOLFE, Martin S., Research Assistant Professor of Education (University High School), two months from June 16, 1963, $1,878, additional (5-23-63).

YEH, Robert, Research Assistant in Physics (C), two months from June 16, 1963, $934 (5-16-63).

YON, Mustapa K., Clinical Assistant Professor of Anesthesiology, Department of Surgery (Medicine), 1/8 time, four months from May 1, 1963, $220.83 a month, supersedes (5-8-63).

ZETAS, James P., Clinical Instructor in Orthopaedic Surgery (Medicine), three months from June 1, 1963, without salary (5-23-63).

ZIEGLER, Russell A., Visiting Lecturer in Advertising (Journalism and Communications), to render service during the first semester of the academic year, September 1, 1963-February 28, 1964, $4,337.50 (5-23-63).

GRADUATE FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

Abdul-Baki, Aref A., Summer Fellow in Horticulture, two months from June 16, 1963, $375 (4-30-63).

Akin, Finis D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,740 (4-25-63).

Anderson, Lynn R., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1963, $900 (4-25-63).
ABONS, HARRETT D., University Fellow at the Medical Center, one year from September 1, 1963, $2,300 (3-29-63).

ASIK, JOSEPH R., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, $2,400 (4-25-63).

ASPES, DAVID E., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, $2,400 (4-25-63).

BANNA, NABIL R., University Fellow at the Medical Center, one year from September 1, 1963, $2,300 (3-29-63).

BARRY, LYNETTE F., George A. Miller Fellow in English, nine months from September 16, 1963, $1,600; and two months from June 16, 1964, $400, supersedes (5-2-63).

BENARD, EDMUND F., Fellow in Civil Engineering, nine months from September 16, 1963, $2,000; and two months from June 16, 1964, $500, supersedes (5-6-63).

BENNETT, WILLIAM A., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, $1,020 (5-16-63).

BERTLAND, ALEXANDER U., II, United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $800 (5-20-63).

BILLINGTON, JOHN A., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, $2,025 (5-6-63).

BOERS, BURDETTE L., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, $2,400 (5-16-63).

BOES, THEODORE F., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, $1,020 (5-16-63).

BRAGMAN, LINDA R., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, $2,400 (4-25-63).

BRIGGS, JERRY L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,740 (4-25-63).

BROOKS, THEODORE, National Science Foundation Cooperative Fellow in Mechanial Engineering, one year from September 1, 1963, $2,400 (4-25-63).

BROMELLS, EDWARD, National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, $1,020 (5-16-63).

BRODAL, OSKAR, Teaching Fellow in Mathematics, nine months from September 16, 1963, $1,500; and two months from June 16, 1963, $375 (5-20-63).

BRODEMER, RONALD W., Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1963, $1,556; this is in addition to his appointment as Instructor in Biochemistry (5-28-63).


BROWN, MRS. SHARON L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-26-63).

BUFFINGTON, SIDNEY C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,310 (4-25-63).

BUTTERWORTH, DOUGLAS S., Fellow in Anthropology, nine months from September 16, 1963, $2,000; and two months from June 16, 1963, $500 (3-30-63).

CARLSON, LOREN G., Fellow (Intern) in Government and Public Affairs, one year from July 1, 1963, $2,700 (5-6-63).

CARR, JOSEPH H., Sigma Xi Summer Fellow in Chemistry, two months from June 16, 1963, $500, supersedes (5-3-63).

CARRAWAY, KERMIT L., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, $1,020 (5-16-63); and National Science Foundation Cooperative Fellow in Chemistry, nine months from September 16, 1963, $2,400 (5-1-63).

CARR, ROBERT L., National Aeronautics and Space Administration Fellow in Civil Engineering, one year from September 1, 1963, $2,400 (5-17-63).

CHALFANT, JAMES C., United States Office of Education Fellow in Education, nine months from September 16, 1963, $4,400 (5-7-63).

CLARK, HERBERT J., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1963, $1,020 (5-16-63).
Collie, Charles P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,000 (4-25-63).

Cooper, Jeffery M., National Science Foundation Cooperative Fellow in Mathematics, one month from September 16, 1963, $1,800 (4-25-63).

Cottle, William E., National Science Foundation Summer Fellow in Geology, June 16-September 7, 1963, $1,020 (5-16-63).

Cotter, Stanley, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,310 (4-25-63).


Cralley, John C., National Science Foundation Summer Fellow in Zoology, June 16-September 7, 1963, $1,020 (5-16-63).

Crisley, Bruce B., Summer Fellow in Zoology, one month from July 16, 1963, $187.50 (4-24-63).

Cuttts, Richard, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,310 (4-25-63).

Dagres, John, George A. Miller Fellow in History, nine months from September 16, 1963, $1,600; and two months from June 16, 1964, $400, supersedes (5-2-63).

Davis, Emile M., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry at the Medical Center, three months from April 1, 1963, $542 a month (3-19-63).

Degnan, Judith A., University Fellow at the Medical Center, one year from September 1, 1963, $2,300 (3-29-63).

De Vlieger, Daniel, Summer Fellow in Political Science, two months from June 16, 1963, $375 (4-17-63).

Donegan, Rosa M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,000 (4-25-63).

Draper, Milton A., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, $600 (4-16-63).

Drucker, Harvey, United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, $2,800 (5-24-63).

Dunne, Howard E., Phillips Petroleum Company Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-19-63).

Eber, Charles A., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, $1,800 (4-25-63).

Edgerton, Stephenie G., Summer Fellow in Education, two months from June 16, 1963, $375 (4-17-63).

Erdahl, Francis E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).

Elias, Chester G., Jr., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, $2,025 (5-6-63).

Feistel, Gerald R., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, $2,400 (4-25-63).

Finley, Judith A., Summer Fellow in History, two months from June 16, 1963, $375 (5-2-63).

Fisher, Barbara N., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-16-63).

Fisher, Farley, National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, $2,400 (4-25-63).

Flynn, Charles M., Jr., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 16, 1963, $1,800 (4-25-63).

Forsman, Roderick G., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (5-16-63).

Franklin, Gus L., III, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,600 (4-25-63).


Freed, James M., United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, $345.92 (5-23-63).

Friedman, Robert B., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, $600 (4-16-63).
FUNG, ALICE S., C., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, $600 (4-16-63).

GAARDER, BARD, Fellow in Law, nine months from September 16, 1963, $2,000; and two months from June 16, 1964, $500 (3-30-63).

GARLAND, ROY E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).

GERICKE, WOLFGANG, Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, $600 (4-16-63).

GOODMAN, ALAN B., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, $600 (4-16-63).

GORDON, ALAN, National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, $1,800 (4-25-63).

GROSS, SANDRO A., National Science Foundation Institute Fellow in Mathematics, one year from June 8, 1963, $3,600 (4-25-63).

GRIMES, GEORGE V., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).

GROTZINGER, LAUREL, Fellow in Library Science, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375 (5-2-63).

GUNDERSEN, LARRY E., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-20-63).

GUNDERSEN, LARRY E., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-20-63).

HABAS, LINDA B., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1963, $2,666.66 (5-23-63).

HAGGSTROM, GUS W., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, $2,400 (4-25-63).

HALL, EDNA J., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, $2,400 (4-25-63).

HALL, JEAN, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,600 (4-25-63).

HALL, RICHARD S., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, $2,400 (4-25-63).

HANNULA, THOMAS A., Summer Fellow in Mathematics, two months from June 16, 1963, $375 (4-1-63); and National Aeronautics and Space Administration Fellow in Mathematics, one year from September 1, 1963, $2,400, supersedes (5-17-63).

HARRIS, GOIN N., National Science Foundation Summer Fellow in Civil Engineering, June 16-August 10, 1963, $680 (5-16-63).

HARRISON, WILLARD W., C. S. Marvel Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-22-63).

HARTMANN, RICHARD R., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,310 (4-25-63).

HAY, ARTHUR J., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, $1,020 (5-16-63).

HERBER, WILLIAM J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,740 (4-25-63).

HETTER, RONALD E., National Science Foundation Cooperative Fellow in Geology, one year from June 16, 1963, $2,400 (4-25-63).

HOGG, JAMES A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, $3,200 (5-24-63).

HOLLINGTON, M. A., Fellow in English, nine months from September 16, 1963, $2,000; and two months from June 16, 1964, $500 (3-30-63).

HOLT, ROBERT L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, $4,835, supersedes (5-6-63).

HOYT, RONNIE A., National Science Foundation Cooperative Fellow in Electrical Engineering, nine months from September 16, 1963, $1,800 (4-25-63).

HYMEL, FLOYD A., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, $2,400 (4-25-63).
Hurley, Oliver L., United States Office of Education Fellow in Education, nine months from September 16, 1963, $3,600 (5-7-63).
Imhof, Violet I., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 1, 1963, $1,800 (5-16-63).
Incremona, Joseph H., Rohm and Haas Company Fellow in Chemistry, nine months from September 16, 1963, $1,900 (4-19-63).
Jones, Robert W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).
Jones, Alan K. G., Fellow in Business Administration, nine months from September 16, 1963, $1,500 (3-30-63).
Jones, Mack, Summer Fellow in Political Science, two months from June 16, 1963, $375 (5-2-63).
Josephson, Charles H., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).
Jung, Robert W., Summer Fellow in Philosophy, two months from June 16, 1963, $375 (4-16-63).
Kahn, Walter J., United States Public Health Service Fellow (Trainee) in Ophthalmology at the Medical Center, three months from April 1, 1963, $1,650, supersedes (3-27-63).
Karlin, Marvin W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).
Keith, Harold D., National Science Foundation Cooperative Fellow in Theoretical and Applied Mechanics, one year from September 1, 1963, $2,400 (4-25-63).
Kelley, James J., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, $2,400 (4-25-63).
Kelly, Thomas J., Summer Fellow in History, two months from June 16, 1963, $375 (5-2-63).
Kenny, Margaret A., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, $600 (4-16-63).
Kirkhefer, Barbara J., National Science Foundation Summer Fellow in Botany, June 16-September 7, 1963, $1,020 (5-16-63).
Kiergan, Stephen E., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, $1,800 (4-25-63).
Kirby, Larry L., Monsanto Chemical Company Fellow in Chemical Engineering, nine months from September 16, 1963, $2,000 (4-19-63).
Knaupp, Jonathan E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).
Knopp, James A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-20-63).
Kominek, Leo A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, $3,200 (5-24-63).
Koo, John D., Fellow in Botany, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375 (3-30-63); and Summer Fellow in Botany, two months from June 16, 1963, $375 (4-16-63).
Kopp, James V., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, $600 (4-16-63).
Kopp, Linda M., Fellow in Russian, nine months from September 16, 1963, $1,500; and two months from June 16, 1963, $475, supersedes (5-31-63).
Kranch, Linda L., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-20-63).
Kunze, Barbara A., Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).
Kunze, Barbara A., Fellow in Mathematics, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375 (3-30-63).
Larson, Carl S., National Science Foundation Summer Fellow in Mechanical Engineering, June 16-August 10, 1963, $680 (5-16-63).
Larvey, Jemima U., University Fellow at the Medical Center, one year from September 1, 1963, $2,300 (3-29-63).
Latta, Thomas M., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, $1,020 (5-16-63).
Lerma, Gerald A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).
Line, William F., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, $600 (4-16-63).
Lister, Basil M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,740 (4-25-63).
Loos, James S., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, $2,400 (4-25-63).
Lucas, John F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,740 (4-25-63).
McGann, Gerald A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).
McGee, David F. R., National Science Foundation Summer Fellow in Geology, June 16-September 7, 1963, $1,020 (5-16-63).
McGlamery, Marshall D., National Science Foundation Cooperative Fellow in Agriculture, one year from September 1, 1963, $2,400 (4-25-63).
McKaugham, Larry S., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (5-17-63).
Miller, Donald M., United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, $445.34 (5-23-63).
Miller, Larry L., Eli Lilly Company Fellow in Chemistry, nine months from September 16, 1963, $2,400 (5-19-63).
Mischke, Richard E., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, $2,400 (4-25-63).
Mishkin, David J., National Science Foundation Summer Fellow in Economics, June 16-September 7, 1963, $1,020 (5-16-63).
Monnard, Richard F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,600 (4-25-63).
Morris, Alan H., Medical Student Alternative Quarter Fellow, March 18-June 8, 1963, $200 (4-6-63).
Morris, Charles G., II, National Science Foundation Cooperative Fellow in Psychology, one year from September 1, 1963, $2,400 (4-25-63).
Moss, Steven A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,730 (4-25-63).
Nyesing, Richard A., United States Public Health Service Summer Fellow (Trainee) in Veterinary Medical Science, two months from June 16, 1963, $445 (5-16-63).
Mulholland, Royal W., Summer Fellow in Education, two months from June 16, 1963, $375 (4-16-63).
Murphy, James T., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, $2,025 (5-6-63).
Murray, Cecil P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,310 (4-25-63).
Myers, David D., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, June 1, 1963-June 30, 1964, $7,041.66 (5-24-63).
Nelson, Norman N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,600 (4-25-63).
Ode11, Stanley J., Summer Fellow in Philosophy, two months from June 16, 1963, $375 (4-16-63).

OkeRKE, Richard W., Minnesota Mining and Manufacturing Company Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-19-63).

O'NEIL, William F., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, $2,400 (4-25-63).

Orr, Margery A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,600 (4-25-63).

Osborn, Thomas R., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, $2,400 (4-25-63).

Paige, James P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).

Palmer, Richard A., National Science Foundation Summer Fellow in Chemistry, June 16-August 24, 1963, $850 (5-16-63); and August Kochs Fellow in Chemistry, nine months from September 16, 1963, $2,000 (4-19-63).

Parr, Christopher A., Summer Fellow in Chemistry, two months from June 16, 1963, $375 (4-26-63).

Patten, Joseph, Summer Fellow in Labor and Industrial Relations, two months from June 16, 1963, $375 (3-26-63).

Perkins, William E., United States Public Health Service Fellow (Trainee), one year from June 16, 1963, $444.34 (5-23-63).

Petrovich, John P., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, $2,400 (4-25-63).

Piepmeier, Edward H., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1963, $500 (4-24-63).

Piper, Joe H., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, $2,400 (4-25-63).

Plevan, Robert E., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, $2,400 (4-25-63).

Pogany, Dennis, Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, $600 (4-16-63).

Porter, James A., Jr., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1963, $6,000 (5-24-63).

Portugal, Franklin H., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, $600 (4-16-63).

Pratt, Larry D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,600 (4-25-63).

Purcell, Keith F., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1963, $500 (4-24-63).

Randall, William J., Monsanto Chemical Company Fellow in Chemistry, nine months from September 16, 1963, $1,800 (4-25-63).

Raz, Amiram, Wright Fellow in Food Technology, nine months from September 16, 1963, $1,800; and two months from June 16, 1964, $600 (4-15-63).

Rehm, Allan S., National Science Foundation Summer Fellow in Mathematics, June 16-September 7, 1963, $1,020 (5-16-63).

Ripka, William C., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, $2,400 (4-25-63).

Roach, William R., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, $1,800 (4-25-63).

Rosenberg, Harry C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).

Rosenberg, Richard L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).

Ruth, Robin C., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-20-63).

Ryan, Robert P., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, $700 (5-7-63).

Ryan, Sheila P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,600 (4-25-63).

Ryckman, David B., United States Office of Education Fellow in Education, nine months from September 16, 1963, $2,800 (5-7-63).

Saege, Kay E., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1963, $2,666.66 (5-23-63).
Sagers, Richard D., Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1963, $2,445; this is in addition to his present appointment as Visiting Lecturer in Chemistry (5-28-63).

Sain, Michael K., National Science Foundation Summer Fellow in Electrical Engineering, June 16-August 17, 1963, $765 (5-16-63).

Samuel, William S., Jr., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).

Sandford, Paul A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-16-63).

Saunders, Grady F., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, $3,200 (5-24-63).

Schimbor, Richard F., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, $2,400 (4-25-63).

Scott, Alan N., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, $1,020 (5-16-63).

Sell, Maurice G., Jr., Procter and Gamble Fellow in Chemical Engineering, nine months from September 16, 1963, $1,800 (4-26-63).

Sensabaugh, Richard G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).

Shier, John S., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, $1,800 (4-25-63).

Shoffner, James P., Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, $600 (4-16-63).

Singh, Amarjit H., Teaching Fellow in Physics, nine months from September 16, 1962, $1,800; and two months from June 16, 1963, $350 (5-5-63).

Sirbasku, David A., University Fellow at the Medical Center, one year from September 1, 1963, $2,300 (4-1-63).

Sister Mary K. Fellin, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,600 (4-25-63).

Sister Mary St. Margaret Pumphret, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $1,800 (4-25-63).

Smith, Alton L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).

Smith, John E., Jr., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, $2,400 (4-25-63).

Smith, Theodore F., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, $2,100 (5-16-63).


Son, Jaime S., Fellow in Chemical Engineering, nine months from September 16, 1963, $1,800; and two months from June 16, 1964, $600 (4-30-63).

Spicer, Larry D., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, $2,400 (4-25-63).

Spingos, Frank, Special Fellow in Music, nine months from September 16, 1963, $1,500 (4-24-63).

Stancil, Donald L., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, $2,400 (4-25-63).

Stephens, John K., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1963, $1,800 (4-25-63).

Stoll, Charles H., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1963, $2,400 (4-25-63).

Stone, Alexander P., Teaching Fellow in Mathematics, nine months from September 16, 1963, $1,500; and two months from June 16, 1963, $375 (3-30-63).

Stone, Mary A., Teaching Fellow in Education, nine months from September 16, 1963, $1,500; and two months from June 16, 1963, $375 (3-30-63).

Stromsta, Roger R., National Aeronautics and Space Administration Fellow in Mechanical Engineering, one year from September 1, 1963, $3,000, supersedes (5-17-63).

Strunk, Richard D., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, $2,400 (5-16-63).

Suconiak, Naomi, Fellow in English, nine months from September 16, 1963, $2,000; and two months from June 16, 1964, $500 (3-30-63).
SUSSMANN, ROSALINA, National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, $2,400 (4-25-63).
SWALLOW, RONALD J., United States Public Health Service Predoctoral Fellow in Biophysics, one year from February 1, 1963, $3,200 (4-16-63).
TASCH, ALOYSIOUS F., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1963, $2,400, supersedes (5-17-63).
TAYLOR, BERT A., National Science Foundation Summer Fellow in Mathematics, June 16-August 10, 1963, $680 (5-16-63); and National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, $2,400 (4-25-63).
THOMAS, JOHN D., Summer Fellow in Speech, two months from June 16, 1963, $375 (4-16-63).
THOMPSON, STEPHEN I., Summer Fellow in Anthropology, two months from June 16, 1963, $375 (4-16-63).
TOMASSON, RICHARD F., Fellow in Sociology, three months from June 16, 1963, $900; this is in addition to his appointment as Assistant Professor of Sociology and in the Division of General Studies (5-13-63).
TROY, DAVID P., Summer Fellow in Communications, two months from June 16, 1963, $375 (4-16-63).
TRIMBLE, RALPH W., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (5-17-63).
TROWBRIDGE, GEORGE C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,310 (4-25-63).
UDDIN, DAVID E., University Fellow at the Medical Center, one year from September 1, 1963, $2,300 (3-29-63).
UNDERHILL, DONALD K., Summer Fellow in Zoology, two months from June 16, 1963, $375 (4-17-63).
VAICHULIS, EUGENE M., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, $600 (4-16-63).
VAN DER VOORN, PETER C., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, $2,400 (4-25-63).
VAUGHAN, ROBERT W., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from September 1, 1963, $2,400 (4-25-63).
VAYO, HARRIS W., United States Public Health Service Fellow (Trainee) in Biophysics, two months from June 16, 1963, $444.34 (5-23-63).
VERGIN, MARCIA A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-20-63).
VAUGHAN, CAROLYN R., University Fellow at the Medical Center, one year from September 1, 1963, $2,300 (3-29-63).
WAGNER, CURTIS A., National Science Foundation Cooperative Fellow in Physics, one year from September 16, 1963, $2,400 (4-25-63).
WALKER, LEIGH E., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, $2,400 (4-25-63).
WATANABE, JOHN B., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1963, $1,800 (4-25-63).
WATANABE, RENATE G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $1,800 (4-25-63).
WEIMER, RICHARD C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,310 (4-25-63).
WEST, HOYAL B., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $3,510 (4-25-63).
WILKINSON, JACK W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,880 (4-25-63).
WILSON, GEORGE S., National Science Foundation Summer Fellow in Chemistry, June 16-August 24, 1963, $850 (5-16-63).
WILSON, JOHN E., Parke, Davis Company Summer Fellow in Chemistry, two months from June 16, 1963, $700 (4-26-63).
WILSON, PAUL R., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, $2,400 (4-25-63).
WINTERBAUER, WILLIAM L., Jr., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1963, $2,400 (4-25-63).
WISEMAN, DOUGLAS E., United States Office of Education Fellow in Education, nine months from September 16, 1963, $4,000 (5-7-63).
WOLFE, BARRY E., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (5-17-63).

WOLFSHEIM, JANET P., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $2,000 (5-17-63).


WOZNIAK, LOUIS, National Science Foundation Summer Fellow in Electrical Engineering, June 1-August 10, 1963, $680 (5-16-63).

WZESZCZ, OWENE., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,740 (4-25-63).

WYLDER, JOSEPH G., JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170 (4-25-63).

YAMASHIROYA, HERBERT M., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, $500 (4-16-63).

YEN, SHAN L., Fellow in Linguistics, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375 (5-23-63).

RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

BALDINO, MRS. EVANGELINE, Acquisition Assistant in the Library — resignation effective June 22, 1963.

BLYTH, COLIN R., Professor of Mathematics, Summer Session of 1963 — declination effective June 17, 1963.

Borchers, Gertrude L., Professor of Nutrition — resignation effective July 16, 1963.

BRIDGES, THOMAS W., Instructor in Music — resignation effective September 1, 1963.

BUTWELL, RICHARD L., Associate Professor of Political Science, Summer Session of 1963 — resignation effective June 17, 1963.


CROW, MERWIN R., Instructor in Hygiene and Psychiatric Social Worker in the Health Service — declination effective September 1, 1963.

DAVIS, NUEL P., Assistant Professor of English, Summer Session of 1963 — resignation effective June 17, 1963.

DEMAREE, ROBERT G., Associate Professor of Psychology and Director of the Office of Instructional Research — resignation effective September 1, 1963.

DICKINSON, MARSHA, Research Assistant in Political Science — resignation effective June 8, 1963.


ENATA, ELOISE C., Instructor in English, Summer Session of 1963 — resignation effective June 17, 1963.

FRATICELLI, JOANNE C., Assistant in Occupational Therapy (Medicine) — resignation effective May 23, 1963.

HARPER, ANNE Y., Research Assistant in the Bureau of Economic and Business Research — resignation effective June 1, 1963.

HILL, ENID, Assistant in Social Sciences (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.

HOUSE, JAMES E., Assistant in the Division of General Studies, Summer Session of 1963 — resignation effective June 17, 1963.

HUNT, ROGENE S., Visiting Lecturer in History (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.

JOGDEO, SHISHIR KUMAR S., Assistant Professor of Mathematics — resignation effective September 1, 1963.

JOHNSON, MARGARET L., Instructor in Medical Social Work (Medicine) — resignation effective June 8, 1963.


KAHNE, STEPHEN J., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering — resignation effective June 16, 1963.

KOENIG, THOMAS W., National Science Foundation Cooperative Fellow in Chemistry — resignation effective May 21, 1963.

LANGEBAKTEL, RAY G., Associate Professor of Mathematics, Summer Session of 1963 — declination effective June 17, 1963.
LARSON, CARL M., Assistant Professor in Marketing, Summer Session of 1963 — resignation effective June 21, 1963.
LINDEHOLM, CARL E., Instructor in Mathematics, Summer Session of 1963 — declination effective June 17, 1963.
LOTHIAN, THOMAS A., Assistant in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
MACIN, JOHN H., JR., Assistant Professor of English (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
MANDY, WILLIAM J., United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective June 1, 1963.
MARIS, THEODORE A. J., Professor of Physics — resignation effective June 1, 1963.
MATLAW, RALPH E., Associate Professor of Russian and Head of the Department — resignation effective September 1, 1963; and Associate Professor of Russian, Summer Session of 1963 — resignation effective June 17, 1963.
MAYOH, BRIAN H., Continental Oil Company Fellow in Mathematics — resignation effective September 16, 1963.
MCGLUE, EDWARD, Research Assistant in Biological Chemistry (Medicine) — resignation effective May 15, 1963.
MENDEL, GISELA, Research Associate in Psychiatry (Medicine) — resignation effective May 1, 1963.
MUHLSTADT, WILLIAM J., Assistant in Ceramic Engineering — resignation effective May 1, 1963.
MUNDAY, JOHN C., JR., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective June 16, 1963.
ONANIAN, EDWARD D., Research Associate in the Bureau of Economic and Business Research — resignation effective June 22, 1963.
OTIS, JACK, Associate Professor of Hygiene and Psychiatric Social Work Supervisor in the Health Service — resignation effective September 1, 1963.
PATTON, FRANKLIN D., Assistant in Geology, Summer Session of 1963 — resignation effective June 17, 1963.
PORTER, JAMES A., JR., Instructor in Veterinary Pathology and Hygiene — resignation effective June 16, 1963.
RAKOVE, MILTON L., Assistant Professor of Political Science (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
ROHRS, LEONARD J., Professor of Air Force Science and Head of the Department — resignation effective March 1, 1963.
ROTHMAN, NEAL J., Assistant Professor of Mathematics, Summer Session of 1963 — resignation effective June 17, 1963.
RURIK, ELEANOR, Registered Pharmacist (Pharmacy) — resignation effective June 24, 1963.
SACKHEIM, GEORGE L., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
SCHNOBRICH, WILLIAM C., Assistant Professor of Civil Engineering, Summer Session of 1963 — resignation effective June 17, 1963.
SHAW, PAUL V., American Oil Foundation Fellow in Chemical Engineering — resignation effective April 1, 1963.
SPAULDING, ROBERT L., Assistant Professor of Education — resignation effective September 1, 1963.
SPENCE, CLARK C., Associate Professor of History, Summer Session of 1963 — resignation effective June 17, 1963.
STEBEN, JOHN D., National Science Foundation Cooperative Fellow in Physics — resignation effective June 1, 1963.
STONECIPHER, A. KEITH, Instructor in Civil Engineering — resignation effective September 1, 1963.
TRUSS, HILMAN L., JR., Registered Pharmacist in Hospital Pharmacy (Pharmacy) — resignation effective May 10, 1963.
ULLOA, MARGOT, Professor of Operative Dentistry (Dentistry) — resignation effective September 1, 1963.
VASE, INDRA K., Research Associate in Botany — resignation effective July 1, 1963.
VESTLING, CARL S., Professor of Biochemistry — resignation effective September 1, 1963.
VINCI, ANTHONY J., Assistant Professor of Hygiene and Staff Physician in the Health Center and McKinley Hospital — resignation effective September 1, 1963.
WEICHSEL, PAUL M., Assistant Professor of Mathematics, Summer Session of 1963 — declination effective June 17, 1963.

LEAVES OF ABSENCE
CRIEGE, LUTZ, Research Assistant Professor of Physics — leave of absence, without pay, for one month from July 1, 1963, so that he may travel to Europe.
HALL, CLEO, Assistant Professor of Cooperative Extension and Assistant State Leader of Home Advisers — leave of absence, without pay, for one year from July 1, 1963, so that she may complete a dissertation and other work toward a Ph.D. degree in Adult Education at the University of Chicago.
KARLOWICH, ROBERT A., Bibliographer in the Library, with rank of Professor — leave of absence on three-fourths time, without pay, extended from May 1 through June 11, 1963.
KHACHATURIAN, NARBÉY, Professor of Civil Engineering, in the College of Engineering — leave of absence, without pay, for twelve months from September 1, 1963, for the purpose of study and research at the University of California, at Los Angeles, on a National Science Foundation Senior Postdoctoral Fellowship.
LATHROPE, DONALD E., Associate Professor of Social Work — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a temporary professional assignment in New York City with a project sponsored by the President's Committee on Youth Crime and Delinquency.
LEVINE, SOLOMON, Professor of Labor and Industrial Relations — leave of absence, without pay, from September 1, 1962, through July 11, 1963 (supersedes previous leave).
LEWIS, WALTER H., Associate Professor of Architecture — leave of absence, without pay, for one year from September 1, 1963, for the purpose of accepting a temporary, professional assignment outside the University, working for the United States Savings and Loan League.
LICHTENBERGER, W. WAYNE, Assistant Professor of Electrical Engineering and Research Assistant Professor in the Coordinated Science Laboratory — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Professor in the Department of Electrical Engineering at the University of California, at Berkeley.
LOFTUS, BEVERLY G., Assistant Editor in the Graduate College — leave of absence, without pay, from July 5 and continuing through July 28, 1963.
NIMS, JOHN F., Professor of English — leave of absence, without pay, from March 1 through August 31, 1964, so that he may accept a position as a Visiting Professor at Harvard University during that period.
POWELL, JAMES M., Assistant Professor of History in the Division of General Studies — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as Visiting Lecturer in Medieval History at the University of Wisconsin, at Milwaukee.
PUNIT, HERMAN G., Instructor in Architecture — leave of absence, without pay, for the second semester of the academic year 1963-64, for the purpose of doing graduate study at Harvard University.

REESE, MARY C., Associate Professor of Social Work — leave of absence, without pay, for one year from September 1, 1963, for the purpose of study at Smith College School for Social Work.

SCHMITT, HOMER C., Professor of Music and Artist in Residence — leave of absence on account of illness, with full pay, from April 19 through August 31, 1963.

SMITH, ROBERT J., Professor of Architecture — disability leave of absence, with full pay, extended to March 14, 1963.

EXECUTIVE SESSION

President Clement announced that an executive session has been requested and was being ordered for consideration of reports and recommendations relating to patentable inventions and property acquisitions; and that this session would be held after luncheon recess.

On motion of Mrs. Watkins, the Board recessed.

During the recess, a number of prominent citizens of Peoria were guests of the Board at luncheon and were introduced.

When the Board reconvened in executive session, the same members of the Board and officers of the University were present as reported at the beginning of these minutes.

The Board took up consideration of the following items of business.

RECOMMENDATION OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the Chairman of the University Research Board, the following recommendation relating to an invention by members of the staff.

Over the past five years, ten patentable inventions have been developed in the Antenna Laboratory of the Department of Electrical Engineering. The inventors are Robert L. Carrel, former Research Assistant and Research Associate in Electrical Engineering (1955-60); R. H. DuHamel, former Research Assistant in Electrical Engineering (1947-50, 1952-56); D. E. Isbell, former Antenna Technician in Electrical Engineering (1957-59); John D. Dyson, Associate Professor of Electrical Engineering; and Paul E. Mayes, Associate Professor of Electrical Engineering. The rights of the University in these inventions have been transferred to the University of Illinois Foundation. The Foundation has applied for and obtained patents on certain of the inventions and has negotiated with the JFD Electronics Corporation, Brooklyn, New York, for the marketing of an antenna, which to some degree is based upon or includes certain novel features stated in all the inventions involved. It appears that income on licenses will be received from the JFD Electronics Corporation.

Based on information from the Department of Electrical Engineering concerning the degree of contribution of the inventors to the final product, the Patent Committee recommends that:

All income received on these antenna patents be pooled; and patent and development expenses incurred by the Foundation, past and future, be reimbursed or paid from such pooled sum.

After allowing for all expenses, 20 per cent of the amount thus received be allocated for payment to the inventors and 80 per cent be retained by the University of Illinois Foundation for its chartered purposes.

For the present, the sum allocated to the inventors be distributed: Robert L. Carrel, one-ninth; R. H. DuHamel, one-ninth; John D. Dyson, two-ninths; D. E. Isbell, two-ninths; and Paul E. Mayes, three-ninths.

It should be recognized, when approving the distributions to the inventors, that in all likelihood there will be additional inventions in the future further contributing to the improvement of the antenna being developed and marketed and that, accordingly, changes in or additions to the percentage distribution to the inventors may be necessary.

The Patent Committee therefore recommends approval by the Board of
Trustees of the stated percentage of allocation between the inventors and the University of Illinois Foundation and the percentage distribution of the sum allocated to the inventors, with the right of future revision as may be required to maintain the equities of the inventors involved.

I concur in this recommendation.

On motion of Mr. Swain, this recommendation was approved.

PURCHASE OF PROPERTIES

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase, at the prices indicated, of the following properties needed to complete acquisition of a site for a graduate students residence hall:

409 East Daniel Street, Champaign........................................ $38,000
A three-story and basement frame rooming house on a lot 57 feet by 173.25 feet. The owner will give immediate possession to the land required for construction south of the existing improvement and will give possession of the remaining part not later than July 1, 1965.

402 East Chalmers Street, Champaign................................. 35,000
A three-story and basement frame house on a corner lot 51.5 feet on Chalmers Street, by 116.24 feet. Possession will be delivered to the University no sooner than February 1, 1964, nor later than September 1, 1964, dependent on the scheduled start of construction of the residence hall.

Funds are available in the state capital appropriations to the University from the 1961-63 Bond Issue and have been released.
The prices are consistent with the recommendations for the acquisition of these properties which have previously been submitted to and concurred in by the Committee on Buildings and Grounds.

The Board of Trustees, on February 20, 1963, authorized condemnation proceedings for acquisition of the property at 402 East Chalmers Street, Champaign, because the asking price was in excess of University appraisals. Through subsequent negotiations, the price indicated has been agreed upon, and it is within the limit authorized by the Committee on Buildings and Grounds. This price also appears to be the lowest at which the property can be acquired without condemnation proceedings.

I recommend authorization of these purchases; and further recommend that the Board rescind its resolution of February 20, 1963, with respect to condemnation proceedings for acquisition of the property at 402 East Chalmers Street, Champaign.

On motion of Mr. Pogue, the purchases of these properties, at the prices recommended, were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

ACQUISITION OF PROPERTY AT 1304 WEST STOUGHTON STREET,
URBANA, ILLINOIS

(3) University representatives have been negotiating for the purchase of the property at 1304 West Stoughton Street, Urbana, a lot 40 feet by 132 feet (5,280 square feet) with a two and one-half story and basement frame building now used for apartments and for student rooms. The land is needed as part of the site for College of Engineering buildings, and specifically for the new Civil Engineering Building.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of $23,140, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:
Resolution Authorizing Condemnation of Property at 1304 West Stoughton Street, Urbana, Illinois

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The East Twenty-two (22) Feet of Lot Nine (9) in Block Fifty-one (51) of the Seminary Addition to Urbana, and the West Eighteen (18) Feet of Lot Ten (10) in Block Fifty-one (51) in the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, in the State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for expansion of the facilities of the College of Engineering, as a site for a Civil Engineering Building addition, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston,
Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kermer, Mr. Page.

ACQUISITION OF PROPERTY AT 1103 WEST SPRINGFIELD AVENUE.

URBANA, ILLINOIS

(4) University representatives have been negotiating for the purchase of the property at 1103 West Springfield Avenue, Urbana, a lot 49.5 feet by 132 feet (6,354 square feet) with a two-story and basement stucco house used as a residence by the owner and student rooms. The land is needed as part of the site for construction of the next unit of the Coordinated Sciences Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of $28,800, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plan and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

Resolution Authorizing Condemnation of Property
at 1103 West Springfield Avenue, Urbana, Illinois

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The East One-half (1/2) of Lot Five (5) and the West One-quarter (1/4) of Lot Six (6) in Block Five (5) in the Urbana Railroad Company's Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right
of eminent domain conferred upon it by law and to have the compensation to be
paid by it to the owners thereof and any and all other persons who may have any
right, title or interest in and to said land determined in the manner provided by
law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The
Board of Trustees of the University of Illinois that the necessary and appropriate
action be taken for the acquisition of title to said property by said The Board of
Trustees of the University of Illinois and to have the compensation to be paid
therefor determined by the institution and prosecution to completion of a pro-
ceeding in eminent domain in a court of competent jurisdiction and that the Legal
Counsel of the University be, and he is hereby, authorized to proceed accordingly,
to institute and prosecute an eminent domain proceeding in the name and on
behalf of The Board of Trustees of the University of Illinois for the acquisition
of said land and the determination of the compensation to be paid by it therefor,
and to employ such special legal counsel, appraisers, and others as he may deem
necessary or desirable to assist him in the institution and prosecution of said
proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized
by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston,
Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none;
absent, Mr. Hughes, Mr. Kerner, Mr. Page.

ACQUISITION OF PROPERTY AT 1103½ WEST SPRINGFIELD
AVENUE, URBANA, ILLINOIS

(5) University representatives have been negotiating for the purchase of the
property at 1103½ West Springfield Avenue, Urbana, a lot 30 feet by 132 feet
(3,960 square feet) improved with a two-story and basement frame dwelling.
The land is needed as part of the site for construction of the next unit of the
Coordinated Sciences Laboratory.

The owners were advised that a recommendation would be made to the Board
of Trustees for the purchase of the property at a price of $17,500, based ,on
University appraisals, but the offer is not acceptable and the asking price remains
substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller
recommend that the Board of Trustees authorize condemnation proceedings for
the acquisition of the property.

Funds are available in the state capital appropriations to the University for
1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

Resolution Authorizing Condemnation of Property
at 1103½ West Springfield Avenue, Urbana, Illinois

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of
Trustees of The Board of Trustees of the University of Illinois, a body corporate
and politic and a public corporation of the State of Illinois, that the follow-
described real estate situated in the County of Champaign, in the State of Illinois,
to-wit:

The East Thirty (30) Feet of the West One-half (½) of Lot Five (5) in
Block Five (5) in the Urbana Railroad Company's Addition to the City of
Urbana, situated in the City of Urbana, in the County of Champaign, and
State of Illinois:

is needed by the University of Illinois, an educational institution established and
supported by the State of Illinois, for use as part of the site for construction of
the next unit of the Coordinated Science Laboratory, and for related educational
purposes conducted and to be conducted by said University of Illinois and for the
further expansion of the educational facilities of said University of Illinois and to
enable said University of Illinois to discharge its duty to the people of said State
and for public use, that funds have been appropriated by the General Assembly
of the State of Illinois for the purchase of said land for said educational purposes;
that this Board of Trustees has negotiated with the owners of said land through
their duly authorized representatives for the purchase of said land at a price which
this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none, absent, Mr. Hughes, Mr. Kerner, Mr. Page.

ACQUISITION OF PROPERTY AT 1206 WEST OREGON STREET.
URBANA, ILLINOIS

(6) University representatives have been negotiating for the purchase of the property at 1206 West Oregon Street, Urbana, a lot 57 feet by 157 feet (8,949 square feet) with a three-story and basement frame dwelling now used as an apartment and student rooms. The land is needed as part of the site for the new East Chemistry Building Addition.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of $36,000, based on University appraisals, but the offer is not acceptable and the asking price of $40,000 is in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:
Resolution Authorizing Condemnation of Property
at 1206 West Oregon Street, Urbana, Illinois

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

All of Lot Eight (8) except the West Fifty (50) Feet of said Lot Eight (8) and all of Lot Nine (9) except the East Thirty-eight (38) Feet of said Lot Nine (9) in Block Two (2) of Nina B. Bronson’s Subdivision of the East One-half (½) of the Southwest Quarter (½) of the Northeast Quarter (¼) of Section Eighteen (18), Township 19 North, Range 9 East, of the 3rd Principal Meridian, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for the new East Chemistry Building Addition, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinafter set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefore, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.
On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 1303 WEST STOUGHTON STREET, URBANA, ILLINOIS**

(7) University representatives have been negotiating for the purchase of the property at 1303 West Stoughton Street, Urbana, a lot 66 feet by 100 feet (6,600 square feet) improved with a one-story, two-apartment-unit frame dwelling. The land is needed as part of the site for the proposed Mathematics Building.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of $16,000, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property at 1303 West Stoughton Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Two (2) in Block Fifty-four (54) of the Seminary Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for the proposed Mathematics Building, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois
to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

PURCHASE OF PROPERTY AT 307 EAST DANIEL STREET.
CHAMPAIGN, ILLINOIS, AND APPROPRIATION FOR REMODELING

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 307 East Daniel Street, Champaign, at a price of $38,000, for the replacement of a women's cooperative house located at 1210 West Springfield Avenue, Urbana, Illinois, which is needed for office space. The property consists of a lot 64 feet wide by 146 feet deep and is improved with a two and one-half story and basement frame dwelling used as an apartment and student rooming house.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

The price is within $200 of the appraised value of the house but represents a decrease of approximately $4,000 in the price previously asked by the owner.

It is further recommended that $12,000 be assigned from general indirect costs for the remodeling of 307 East Daniel Street, Champaign, Illinois.

I concur.

On motion of Mr. Pogue, the purchase of this property, at the price recommended, and the requested assignment of funds were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA Howard W. Clement
Secretary President
The July meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Tuesday, July 2, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent. Mr. Ray Page was not present when the meeting convened, but joined the Board later.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Director C. S. Havens of the Physical Plant, Mr. James J. Costello, Legal Counsel, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Morris S. Kessler, Assistant Comptroller, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, Mr. A. J. Janata, Secretary.
MINUTES APPROVED
The Secretary presented the minutes of the meetings of the Board of Trustees on December 19, 1962, and January 17, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Johnston, these minutes were approved as printed on pages 263 to 358, inclusive.

ASSIGNMENTS OF FUNDS FROM STATE APPROPRIATIONS FOR 1963-65
President Clement announced that the Chair would entertain a motion to the effect that: all assignments of funds and contract awards made today, which are to be payable from appropriation bills passed by the Seventy-third General Assembly of Illinois but not yet signed by the Governor, are subject to such bills becoming law and, where required, subject to release of the funds by the Governor.

On motion of Mr. Swain, the foregoing action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Governor Kerner, Mr. Page.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

ANNUAL OPERATING BUDGET FOR 1963-64
(1) The complete, itemized, operating budget for 1963-64 covering all divisions of University work, with a condensed analysis and summaries, is submitted for official action.

The budget is for the fiscal year beginning July 1, 1963, for academic and administrative appointments beginning September 1, 1963, and for nonacademic personnel appointments beginning July 1, 1963. The budget has been prepared by the Executive Vice-President and Provost and the Vice-President and Comptroller in accordance with procedures approved by the President. It is based upon recommendations of the deans, directors, and other administrative officers, and has been reviewed by the President and the University Council.

I recommend that this budget, covering the allocation of the estimated operating income from all sources for the year beginning July 1, 1963, be approved, subject to final approval of the University's biennial state appropriations for 1963-65; and that the President of the University be authorized, in accordance with the needs of the University and the equitable interests involved and within total income: (a) to accept resignations, (b) to make such additional appointments as are necessary subject to the provisions of the University Statutes and the Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees, and (c) to make such changes and adjustments in items included in the budget as are needed, all such changes to be covered in the Vice-President and Comptroller's quarterly financial reports, or in reports to the Board by its Secretary, provided that assignments for new projects or programs and for nonrecurring capital expenditures in excess of $2,500 shall be presented to the Board for approval.

The President of the University, the Executive Vice-President and Provost, and the Vice-President and Comptroller presented the budget, discussing the significant policy recommendations as set forth in the condensed analysis and summaries. A copy of the latter document was filed with the Secretary of the Board for record.

Mr. Williamson as Chairman of the Finance Committee reported that the Committee had met with the President of the University and other University officials in a special work session on Monday evening.
July 1, and reviewed the budget in detail. All three members of the Committee (Mr. Williamson, Mr. Swain, and Mrs. Watkins) were present at this meeting; other members of the Board participating in this work session were Mr. Clement, Mr. Hughes, Mr. Johnston, and Mr. Pogue. Others attending the Committee meetings were the officers of the Board: Mr. Manchester, Mr. Farber, and Mr. Janata; and officers of the University, as recorded at the beginning of these minutes.

Following presentation of the budget and discussion by members of the Board, on motion of Mr. Swain, the budget was approved, authority was given as requested in the President's recommendations, and the appropriations required in the budget were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

A complete budget is included as a supplement to these minutes.

**BUDGET OF THE ATHLETIC ASSOCIATION FOR 1963-64**

(2) The Director of Intercollegiate Athletics submits, on behalf of the Board of Directors of the Athletic Association, the budget for the Association for 1963-64 which is summarized as follows with comparative figures for the preceding year:

<table>
<thead>
<tr>
<th></th>
<th>1962-63</th>
<th>1963-64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td>$114,175</td>
<td>$1,165,535</td>
</tr>
<tr>
<td>Appropriations</td>
<td>1,108,280</td>
<td>1,159,730</td>
</tr>
<tr>
<td>Excess of Income Over Appropriations</td>
<td>5,895</td>
<td>5,805</td>
</tr>
</tbody>
</table>

The budget has been examined and approved by the Executive Vice-President and Provost and the Vice-President and Comptroller.

I recommend that this budget be approved and that the President of the University be authorized to make such changes and adjustments, including approval of new appointments and acceptances of resignations, as are necessary and recommended by the Board of Directors of the Athletic Association within the total income realized.

On motion of Mr. Pogue, this budget was approved.

Mr. Dilliard asked that the record show that this action also covers appointments and reappointments of the head coaches and other staff of the Athletic Association which are subject to final approval by the Board of Trustees.

At this point, Mr. Page joined the meeting.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(3) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roy Gordon Duff</td>
<td>Dubuque, Iowa</td>
<td>Iowa</td>
</tr>
<tr>
<td>Vincent Raymond Michael</td>
<td>Evansville, Indiana</td>
<td>Missouri</td>
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<tr>
<td>Kykke Hurum Olsen</td>
<td>Shorewood, Wisconsin</td>
<td>Wisconsin</td>
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<tr>
<td>Emil Meredith Phillips, Jr.</td>
<td>Wood Dale, Illinois</td>
<td>Arkansas</td>
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</tbody>
</table>

I concur.

On motion of Mr. Johnston, these certificates were awarded.
ADVISORY COMMITTEES FOR COLLEGE OF AGRICULTURE

(4) The Dean of the College of Agriculture recommends the following appointments and reappointments to advisory committees for the College of Agriculture and the Agricultural Experiment Station effective September 1, 1963, for three-year terms:

**Agricultural Economics**
EDWIN R. LAMB, Superintendent of Cattle Department, Producers Livestock Marketing Association, National Stock Yards, East St. Louis
RICHARD L. MALONEY, Ridgway

**Agricultural Engineering**
GEORGE W. ENDICOTT, Ridgeview Farm, Villa Ridge
JOSEPH H. HEIMANN, Manager, Clinton County Electric Cooperative, Inc., 475 North Main Street, Breese

**Agronomy**
PAUL MONTAVON, 905 West Taylor, DeKalb
LOWELL TISON, Rural Route 3, Eldorado

**Animal Science**
ERNEST, General Manager, Corn Belt Hatcheries of Illinois, Inc., Gibson City

**Dairy Science**
JOHN C. ALISON, Alison Farms, Rural Route 2, Quincy
HAROLD E. HARTLEY, Rural Route 5, Centralia
J. GEORGE SMITH, Oswego

**Horticulture (Food Crops)**
MATHEW SCHWARTZ, Centralia
JOHN SURGEON, Nujent and Schapanski Orchard and Cold Storage, 111 North Canal Street, Grafton

**Horticulture (Floriculture, Ornamentals)**
JAMES BRANDT, 1419 Grant Avenue, Danville
CARL KLEHM, Chas. Klehm and Sons Nursery, 6 East Algonquin Road, Arlington Heights
CHARLES TOSOVSKY, Home Nursery Greenhouses, Inc., Edwardsville

The Dean of the College of Agriculture further recommends the following reappointments to the general committee for one more year as members at large:

JOSEPH ACKERMAN, Managing Director, Farm Foundation, 600 South Michigan Avenue, Chicago 5
PAUL C. JOHNSON, Editor, Prairie Farmer, 1230 West Washington Boulevard, Chicago 7

I concur.

On motion of Mr. Hughes, these appointments were approved.

APPOINTMENTS TO THE FACULTY

(5) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. GARY S. ADELMAN, Assistant Professor of English, beginning September 1, 1963, at an annual salary of $7,500.
2. MARVIN C. CARBONNEAU, Assistant Professor of Horticulture, beginning July 1, 1963, at an annual salary of $8,600.
3. MAYNARD M. COHEN, Professor of Neurology, Department of Neurology and Neurological Surgery, beginning September 1, 1963, without salary.
4. RUDOLPH KODRAS, Assistant Professor of Veterinary Pathology and Hygiene, College of Veterinary Medicine, and of Veterinary Research, Agricultural Experiment Station, beginning June 17, 1963, at an annual salary of $10,500.
5. GEORGE W. MEYERHOLZ, Assistant Professor of Veterinary Extension, Veterinary Pathology and Hygiene, in the College of Veterinary Medicine and in
the Cooperative Extension Service in Agriculture and Home Economics, beginning June 16, 1963, at an annual salary of $11,600.

6. CHARLES W. Migon, Jr., Assistant Professor of English, beginning September 1, 1963, at an annual salary of $7,000.

7. HARRY L. Munsinger, Assistant Professor of Psychology, beginning September 1, 1963, at an annual salary of $7,500.

8. D. V. Reddy, Assistant Professor of Civil Engineering, for the academic year 1963-1964, at a salary of $7,500.

9. GILBERT Wright, Assistant Professor of English, beginning September 1, 1963, at an annual salary of $7,300.

On motion of Mr. Swain, these appointments were confirmed.

THE ESTABLISHMENT OF A NEW ADMINISTRATIVE POSITION AT THE CHICAGO UNDERGRADUATE DIVISION

(6) The Vice-President for the Chicago Undergraduate Division recommends that a new position with the title of Assistant Vice-President be established and that Associate Dean H. W. Bailey of the faculty of Liberal Arts and Sciences be appointed to this position for two years beginning September 1, 1963, at an annual salary of $18,300.

The Assistant Vice-President would perform such functions as might be assigned to him by the Vice-President for the Chicago Undergraduate Division. Among other duties, he would be responsible for studies of space utilization, enrollment projections, and staff needs. He would also supervise the preparation of official publications of the Division, including college bulletins and other announcements.

This recommendation has been reviewed and approved by the Executive Vice-President and Provost.

I concur.

On motion of Mrs. Watkins, this recommendation was approved.

SCHOOL OF ASSOCIATED MEDICAL SCIENCES

(7) The University Senate at the Medical Center recommends that (1) there be established within the College of Medicine a School of Associated Medical Sciences with a Director who will also serve as either Assistant Dean or Associate Dean of the College of Medicine; (2) the two new curricula in Medical Record Administration and General Medical Technology, previously recommended by the Senate and approved by the Board of Trustees on January 17, 1963, and such other curricula of this class as may hereafter be established, be administered by the School of Associated Medical Sciences; and that (3) the existing curriculum in Occupational Therapy be changed from its present departmental status in the College of Medicine to a curriculum in the School of Associated Medical Sciences.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

CONTRACT WITH DEPARTMENT OF STATE. AGENCY FOR INTERNATIONAL DEVELOPMENT, FOR SERVICES TO SIERRA LEONE

(8) In the summer of 1962, a team from the government of Sierra Leone and the United States Agency for International Development Mission in that country visited the University of Illinois and conferred with University officials concerning the need for a land-grant type of institution in Sierra Leone. Subsequently, at the request of the AID, the University of Illinois sent a survey team 1 under the direction of Associate Dean Karl E. Gardner of the College of Agriculture to Sierra Leone to study the feasibility of a proposed union of two existing

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1 Karl E. Gardner, Associate Dean of College of Agriculture, and Professor of Nutrition, in the Department of Dairy Science, Chief of Party; Russell T. Odell, Professor of Soil Pedology in the Department of Agronomy; M. Ray Kames, Professor of Education in the Bureau of Educational Research; James E. Crawford, Supervisor of Counseling and Operations in the Men's Residence Halls.
institutions, the Njala Training College for Teachers and the Njala Agricultural Experiment Station, as a nucleus for the new institution and to make recommendations.

The Sierra Leone Cabinet approved the report of this survey team and the University has now been asked to submit a proposal for a contract for educational services to that country in the building of the new institution somewhat along the lines of what the University has been doing in India.

The project is a long-term one and plans have been drawn in terms of a ten-year program. Submitted herewith is a memorandum prepared by the Director of International Programs which presents the program in greater detail. A copy of the memorandum is being filed with the Secretary of the Board for record. As indicated therein, it is anticipated that the University will be offered a contract in the near future and AID officials have asked that it be executed promptly.

I request authorization to execute this contract, subject to further action by the Board of Higher Education, since contract payments to the University in any one year may exceed $250,000, the limit set by the Board of Higher Education for institutional commitments of this kind without reference to that Board.

On motion of Mr. Dilliard, authority was given as requested.

AMENDMENT OF GENERAL RULES CONCERNING UNIVERSITY ORGANIZATION AND PROCEDURE

The Dean of the College of Physical Education has recommended authorization of a recreational program for faculty and staff of the University and their families, the program to be financed initially by a fee charged participants to pay the direct costs of the program. It involves the use of University facilities by faculty and staff families, and present regulations limit the use of recreational facilities to students and staff.

Accordingly, it is recommended that Section 21 of the "General Rules Concerning University Organization and Procedure" be amended by renumbering the present Section 21 (c) as Section 21 (d), and by adding the following as a new Section 21 (c):

"(c) Subject to the approval of the appropriate University authorities, University premises and facilities may be made available for use by members of the faculty and staff and their families provided such use does not interfere with the regular student educational programs of the University."

I concur.

On motion of Mrs. Watkins, this amendment was approved.

AMENDMENT OF RULES RELATING TO THE PAYMENT OF SALARIES

The application of the ruling of the Attorney General relating to retroactive salary adjustments has been clarified. Originally, the University interpreted the ruling to mean that in most cases adjustments in salaries and wages could be effective only in the month in which they could be included on the usual payroll. Consequently, the Board adopted a rule that salary adjustments could be effective only in the month following the month in which notice of approval was received by the Business Office.

It has now been determined that such adjustments can be made effective upon the date when notice of change is received even though the adjustment is made in the subsequent payroll period.

Accordingly the Director of Nonacademic Personnel and the Vice-President and Comptroller recommend the Board approve the following rules relating to the effective date of salary changes:

NONACADEMIC

1. Effective Date of Prevailing Rate Changes

Wage rates accepted in accordance with University policy of paying prevailing rates, as set forth in Section III, paragraph 1, of the University Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees, will become effective (1) on the date they are put into effect locally, or (2) on the first working day following the date appropriate University representatives receive (and verify), from one or more of the parties to
the agreement establishing a change in rates, official notice in writing that a
specific rate is effective locally, whichever is later. (The section of the Uni-
versity Policy and Rules as noted above must be corrected.)

2. Negotiated Agreements

Wage rates established by negotiated agreements may become effective
(1) on the first working day following the expiration of a collective agree-
ment being renegotiated, provided the parties have reached agreement upon,
and signed a new agreement prior thereto, or (2) on the first working day
following the date on which all parties involved have indicated their willing-
ness in writing to accept all conditions, including the rates or rate schedules,
which become a part of the agreement, whichever is later, subject to approval
of the Merit Board.

3. Departmental Recommendations for Nonacademic Salary or Wage Amounts
Determined by Other Than Prevailing Rate or Negotiated Group Agreements

Such salary or wage amounts may become effective not earlier than the
first day of the payroll period next following the date on which they are ap-
proved by the Office of Nonacademic Personnel; except that in those cases
where a specific date on which a change in duties and responsibilities or work-
ing conditions can be clearly determined to have occurred, such salary or wage
amounts may become effective as early as the first working day following the date
on which they are approved by the Office of Nonacademic Personnel.

I concur.

On motion of Mr. Swain, this amendment of rules was authorized.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(11) The Executive Vice-President and Provost and the Vice-President and
Comptroller recommend the following appropriations and assignments of funds
from the University General Reserve for 1962-63 to the extent funds are avail-
able; otherwise, from General Reserve for 1963-64:

Urbana-Champaign

1. Physical Plant Department

Air conditioning building at 1210 West Springfield Avenue, Urbana... $4,000
(This building is a two-story, basement and attic frame residence
formerly used as a cooperative house for women students, and is
next to the University High School. It is being converted into
office and research space for the High School.)

Air conditioning building at 51 East Armory Avenue, Champaign, for
the College of Education.................................................. 3,000
(This building is a two-story and basement frame house, converted
into an apartment house of four units. It is one of the properties
acquired in the area to provide land for the future addition to the
University Press Building.)

Remodeling Room 275 and construction of a corridor in Davenport
Hall for the Department of Agronomy.................................. 10,770

Air conditioning offices in Huff Gymnasium for the College of Physical
Education................................................................. 7,980

2. Allerton House, maintenance projects and water tank replacement..... 38,500

Total, Urbana-Champaign ........................................... $64,250

Chicago Undergraduate Division

1. Remodeling and equipment........................................... $18,513

Grand Total .......................................................... $82,763

I concur.
On motion of Mr. Hughes, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACTS FOR ADDITION TO DRUG AND HORTICULTURAL EXPERIMENT STATION

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for an addition to the Drug and Horticultural Experiment Station at Lisle, Illinois, the award in each case being to the lowest bidder:

  Base bid .................................................. $86,264

  Additive alternates
  Service charge for supervision of other contracts assigned to this contractor........ 750
  Distilled water system............................... 130
  Climate control for two compartments.................... 100
  Installation of elevator............................ 7,002
  Emergency generator................................. 100

Ventilating — Hedmark Heating Company, Inc., Glen Ellyn........ 32,514
  Base bid .................................................. $29,090
  Additive alternate for climate control for two compartments 3,424

Heating, Refrigeration, and Temperature Control — Hedmark Heating Company, Inc., Glen Ellyn........ 110,559
  Base bid .................................................. $88,495

  Additive alternates
  Distilled water system............................... 13,895
  Climate control for two compartments.................... 7,368
  Emergency generator................................. 801

Plumbing — Bruno Francis Plumbing and Heating Company, Chicago........ 13,360
Electrical — Wadeford Electric Company, Chicago.................... 26,173
  Base bid .................................................. $19,880

  Additive alternates
  Distilled water system............................... 116
  Climate control for two compartments.................... 473
  Installation of elevator............................ 182
  Emergency generator................................. 5,522

  Total .................................................. $277,062

The contracts are for construction of a greenhouse with adjoining headhouse and full basement. The greenhouse is designed for experimental work where temperatures and humidities can be controlled. The headhouse and basement will contain a workshop and a laboratory with provisions for the installation of plant growing rooms. The facilities are for the Department of Pharmacognosy and Pharmacology in the College of Pharmacy.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $277,062; and that an agreement be entered into with A. M. Zari and Company, Inc. for the assignment of these other contracts for $750 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released and from a matching National Institutes of Health Grant (RC-1063).

A schedule of all bids received is submitted herewith, and a copy is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.
CONTRACT FOR LABORATORY EQUIPMENT FOR RESEARCH AND EDUCATIONAL HOSPITALS

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $8,138 to the Laboratory Furniture Company, Inc., Chicago, Illinois, the lowest bidder, for furnishing and installation of laboratory equipment in two rooms in the Research and Educational Hospitals. Addition to provide research laboratories and space for diagnostic catheterization for the Department of Medicine.

Funds are available in a United States Public Health Service Grant, PHS-07572-01.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACT FOR LANDSCAPING THE PHYSICS BUILDING AREA

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $7,050.78, to the Twin City Landscape Service, Inc., Urbana, the lowest bidder, for landscaping the area of the Physics Building, except for the area adjacent to the Boneyard Creek.

Funds are available in the construction budget for this building.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

AGREEMENTS WITH ILLINOIS BELL TELEPHONE COMPANY AND NORTHERN ILLINOIS WATER CORPORATION FOR REROUTING UTILITIES ON THE SITE OF THE PROPOSED CIVIL ENGINEERING BUILDING

(15) Construction of a new Civil Engineering Building will require the relocation of the Illinois Bell Telephone Company's main inter-city conduit, cables, and associated equipment located on the site of the building. In consideration of the proposed long-range development plans for the area north of Springfield Avenue, the Illinois Bell Telephone Company proposes to reroute its facilities completely out of the area to eliminate future interference with the long-range expansion. The University's share of the cost to reroute the Illinois Bell Telephone Company's conduit, cables, and equipment will be $27,030.

Construction of the building will also require the relocation of the Northern Illinois Water Corporation's sixteen-inch main, which is the University's main source of water supply, from the east side of Romine Street to the west side of Romine Street. The main also reinforces the Company's system along Springfield Avenue, and should be relocated during the month of August when the University's demand for water is at a minimum. The estimated cost of relocation is $7,623, but the University will be expected to pay the actual cost of the work.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize the Secretary of the Board and the Vice-President and Comptroller to execute the following, upon terms and conditions and in a form approved by the Legal Counsel:

An agreement with the Illinois Bell Telephone Company for the rerouting of conduit, cables, and directly associated equipment from the Civil Engineering Building site at a cost of $27,030.

An agreement with the Northern Illinois Water Corporation for the relocation of its sixteen-inch main from the Civil Engineering Building site at the actual cost to the Corporation, estimated to be $7,623.

Funds are available to finance the projects through the University Stores and Services Fund which will be reimbursed by the State Building Authority when bonds are sold.

I concur.
On motion of Mr. Swain, these agreements were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; present but not voting, Mr. Hughes; absent, Mr. Kerner.

EASEMENT TO NORTHERN ILLINOIS WATER CORPORATION
(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend that an easement be granted the Northern Illinois Water Corporation in order to relocate the Northern Illinois Water Corporation's sixteen-inch main, which is the University's main source of water supply, from the east side of Romine Street to the west side of Romine Street. It is necessary to relocate this water main to provide a site for the proposed Civil Engineering Building.

I concur and recommend adoption of the following resolution; and that the Comptroller and Secretary of the Board be authorized to execute the necessary documents subject to approval of the same by the Legal Counsel.

Resolution

Be It, and It Hereby Is Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Northern Illinois Water Corporation, an Illinois corporation, hereinafter referred to as "Grantee," its successors and assigns, the right and easement to construct, reconstruct, operate, maintain, repair, alter, replace, move and remove a sixteen-inch (16") water line and other equipment appurtenant thereto, under, through and across the land hereinafter described and the right of ingress to and egress therefrom. Grantee shall agree to repair any damage to property of this Corporation by the construction, reconstruction, operation, maintenance, repairing, alteration, moving and removing of said water line which is caused by its negligence. The right-of-way easement shall remain in full force and effect from the date granted and for so long thereafter as said water transportation line is continued in service and has not been abandoned and discontinued. Upon termination of the easement Grantee shall peaceably surrender possession of said premises to this Corporation and full and complete title then shall remain in this Corporation free and clear of said easement. The right-of-way easement shall be over the following described property:

Situated in the State of Illinois, the County of Champaign, the City of Urbana in the SW 1/4 SE 1/4 of Section 7 T19N R9E of the 3rd P.M. and being a strip of land 10.0 feet wide whose center line is described as follows:

Beginning at a point 108.0 feet west of the centerline of Romine Street and 19.1 feet north of the centerline of Main Street, both in the said City of Urbana, thence southerly along a line parallel to the centerline of said Romine Street, a distance of 402.6 feet to a corner, said corner being 39.0 feet distant south of the centerline of Stoughton Street in said City of Urbana; thence easterly along a line parallel to the centerline of said Stoughton Street, a distance of 75.0 feet to a point on the west property line of said Romine Street.

On motion of Mr. Hughes, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

EASEMENT FOR PIPELINE ON CARTER-PENNELL FARM
(17) The Dean of the College of Agriculture and the Vice-President and Comptroller recommend that an easement be granted on the Carter-Pennell Farm in Vermilion County to the Allied Gas Company in order to provide a pipeline to serve the Village of Rankin. The Company will pay $2.00 a rod for the easement and $2.00 a rod for crop damages, for a total of approximately $960.00.

I concur and submit a formal resolution for adoption by the Board.
Resolution

Be It, and It Is Hereby, Resolved, by this Board of Trustees of the Board of Trustees of the University of Illinois that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized, for and in behalf of this public corporation, to make, execute, sign, acknowledge and deliver, to Allied Gas Company, an Illinois corporation, its successors and assigns, a Grant of Easement and Right of Way for the purpose of laying, maintaining, operating, renewing, replacing and removing a single line gas main and any necessary gas facilities appurtenant thereto, together with the right of access thereto for said purposes, in, upon, under, along and across the following described property:

That part of the North half of the Northwest Quarter of Section 12, Township 23 North, Range 14 West of the Second Principal Meridian, lying between the center line of State Route No. 49 and a line drawn 50 feet East of and parallel with said highway center line, in Butler Township, Vermilion County, Illinois.

ALSO

That part of the North half of the Northwest Quarter of Section 12, Township 23 North, Range 14 West of the Second Principal Meridian, lying between the center line of an existing public highway (which extends East and West along the North line of said Section 12) and a line drawn 50 feet South of and parallel with said highway center line, in Butler Township, Vermilion County, Illinois;

to have and to hold in perpetuity or for so long as said Grant of Easement and Right of Way is used for said purposes, but said Grant to cease and determine and all rights granted thereunder to revert to said public corporation Grantor if Grantee or its successors or assigns should ever cease to use said rights for the purposes herein set forth; Grantee to place said gas main at an approximate depth of 30" below the surface of the grant, to repair or replace, in a workmanlike manner and at no expense to Grantor or any tenant of Grantor, all fences which may be damaged, all tile which may be cut, and any existing roadway crossings which may be interrupted by, the installation, maintenance, operation, replacement or removal of said gas main, to install suitable markers over the gas main at existing fence line crossings, and to pay reasonable compensation for all damages caused to crops and real and/or personal property upon the said premises by the installation, maintenance, operation, removal, replacement or removal of said gas main; in consideration of One Dollar and other good and valuable consideration to be paid to said public corporation prior to delivery of said Grant of Easement and Right of Way; and, on behalf of said public corporation, to make, execute, sign, acknowledge and deliver any and all other documents and papers which may be necessary to accomplish the purposes herein set forth.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

CONTRACT FOR CONSULTING ARCHITECTURAL SERVICES

(18) The present contract with Richardson, Severns, Scheeler, and Associates, Champaign, for consulting architectural services expires August 1, 1963. The Director of the Physical Plant and the Vice-President and Comptroller recommend continuation of the employment of this firm on a cost-plus basis for one year from August 1, 1963, on the following assignments and as directed by the Physical Plant Department:

Urbana-Champaign

Continuation of studies on the general campus development plan.
Studies of peripheral areas to coordinate campus development with studies developed by other agencies.
Site selection studies for new building projects.
Consultation on architectural design for new building projects.
Participation in weekly planning meetings.

Estimated Cost of Services.................................................. $30 000
Medical Center

Continuation of studies on the campus development plan.
Further development of detailed programs and studies for various colleges and departments.
Continuation of studies on projects financed from other than state funds.

Estimated Cost of Services ...................................... $10,000
Estimated Total Cost ........................................... $40,000

The terms of employment will be on the basis of itemized payrolls, plus 110 per cent for the firm's overhead costs and fees. Funds are available in the state capital appropriations for 1961-63 and will be reappropriated for the biennium 1963-65 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Swain, this contract was authorized.

LICENSE AGREEMENT WITH ILLINOIS CENTRAL RAILROAD COMPANY

(19) With construction of the Student Rehabilitation Center Building and relocation of the existing coal storage pile, the Illinois Central Railroad Company has requested permission to construct and use a driveway off Stadium Drive for access to the railroad right-of-way across University-owned land.

The Company plans to construct a twenty-foot wide concrete driveway and entrance and will regrade and replace the eight-foot sidewalk on each side of the proposed driveway. It will be available for use by the University for access to and egress from the Student Rehabilitation Center Building and other areas when construction is completed.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board authorize the Secretary of the Board and the Vice-President and Comptroller to execute a license agreement with the Illinois Central Railroad Company for the purpose indicated and in a form approved by the Legal Counsel.

I concur.

On motion of Mr. Pogue, execution of said license agreement was authorized; Mr. Johnston asked to be recorded as not voting.

PAPERBACK BOOKSTORE IN ILLINI UNION

(20) The availability of paperback books of quality, presenting a wide range of subjects, and the demand for them has increased to the point that an adequate stock of these books is now an essential part of the intellectual and cultural resources of a modern campus.

In November, 1962, a committee was appointed, with Robert B. Downs, Dean of Library Administration, Chairman, to determine whether student needs were being adequately serviced and to consider the establishment of a University-operated paperback bookstore or book center. The conclusions of the committee were as follows:

1. The University of Illinois is far behind other comparable universities in providing bookstore facilities for its students, faculty, and staff.
2. Although one of the local commercial bookstores in the University business district is expanding its operations to include a large stock of paperback books, and another store has a fair selection of paperbacks, neither the present nor the proposed commercial operations will be adequate to serve the University's needs.
3. In addition to the opportunity to purchase books, there should also be the opportunity for leisurely browsing and reading, and the selection of stock should include many titles which are not normally found in a commercial bookstore.
4. There is at present no satisfactory local outlet for University of Illinois Press books, and these should be stocked in a paperback bookstore.
5. There should be established in the Illini Union a book center limited to high-quality paperback editions of American and foreign works with an initial stock of 7,000 to 8,000 titles.

Following the report of the Committee, an analysis of the use of space in the Illini Union was made and it is concluded that the area now occupied by the Pine Lounge, the Browsing Room, and the Wedgwood Lounge in the west wing
of the first floor of the original building would be a suitable location for a paperback book center. It is believed that the area will lend itself to the establishment of an attractive integrated reading center in an educational and cultural atmosphere which can provide the required paperback facilities and concurrently provide a needed expansion of the Browsing Room. The center can be established with minimum alterations. The total capital cost including display equipment, furniture, and building alterations, is estimated at $42,000.

It is therefore recommended that a paperback book center be established in the Illini Union, to be operated as a department of the Illini Union, with the University Library advising in the selection of appropriate book titles to be stocked and the capital cost to be financed through the Illini Union reserve funds.

On motion of Mr. Swain, this recommendation was approved.

HOSPITAL-MEDICAL-SURGICAL INSURANCE POLICIES FOR STUDENTS AND STAFF

(21) Bids have been received on the hospital-medical-surgical insurance programs for staff and students for the period beginning September 1, 1963, with the right reserved to renew such insurance annually thereafter upon mutual agreement between the insurance carrier and the University.

The Vice-President and Comptroller recommends award of a contract to the Federal Life Insurance Company, the lowest bidder, at the rates indicated below.

Staff Insurance

The premiums for participants in the staff programs will be the same for each campus:

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<tr>
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<th>Annual Premium to be Paid</th>
<th>Annual Premium to be Paid</th>
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<tbody>
<tr>
<td></td>
<td>to Company by Insured</td>
<td>by Insured</td>
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<tr>
<td>Employee</td>
<td>$42.12</td>
<td>$44.00</td>
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<tr>
<td>Employee and Dependents</td>
<td>112.80</td>
<td>116.00</td>
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Student Insurance

The accidental death and dismemberment benefits under the current program are limited to required field trips off campus.

An option was included in the bid for providing this coverage to the students on a twenty-four-hour basis for the entire semester regardless of the student's activity for an additional premium of sixty cents per student per semester, or forty-five cents per quarter.

The current program now provides a hospital room and board allowance of $14.00 per day at all hospitals, with the exception of McKinley Hospital, where the allowance is $11.00 per day. The additional premium for increasing the daily benefit at McKinley Hospital to $14.00 per day is thirty-seven cents per student per semester.

Alternate I in the bid provides a $300.00 maximum Surgical Schedule in lieu of the current $225.00 at Urbana, and a flat deductible of $150.00 between the base plan benefits and the major medical benefit in lieu of a 50 per cent deductible with a maximum deductible of $372.50.

Alternate II provided a $200.00 deductible between the base plan and the major medical plan, and is less advantageous than Alternate I.

Fees to be paid by students at the three campuses are as follows:

<table>
<thead>
<tr>
<th></th>
<th>Urbana Semester</th>
<th>Chicago Undergraduate Semester</th>
<th>Medical Center Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student</td>
<td>$10.00</td>
<td>$9.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>Spouse</td>
<td>12.50</td>
<td>12.00</td>
<td>9.00</td>
</tr>
<tr>
<td>Child</td>
<td>9.00</td>
<td>8.00</td>
<td>6.00</td>
</tr>
</tbody>
</table>

The Vice-President and Comptroller recommends that the program for the Urbana students provide the benefits under Alternate I, including the $14.00 per day hospital room and board allowance at McKinley Hospital, and that accidental death and dismemberment coverage on a twenty-four-hour basis be provided on all campuses. The Vice-Presidents for the Medical Center and the Chicago Undergraduate Division concur.
The excess over the cost of the coverage is to defray the administrative costs of the three programs and the cost of operating McKinley Hospital in excess of the amounts provided in the insurance policy. The additional cost of the twenty-four hour accidental death and dismemberment benefits at Urbana-Champaign and the Medical Center can be absorbed for the current biennium from balances accumulated in the administrative allowance with no change in the student fee. At the Chicago Undergraduate Division, it is necessary to increase the student fee from $8.00 to $9.00 a semester. The Vice-President and Comptroller and the Vice-President for the Chicago Undergraduate Division recommend that the service fee at that campus be reduced by $1.00 for all students (from $17.00 to $16.00 for full-time students) so there will be no increase in total fees. The service fee will be distributed 32 per cent to Union Building operations and 68 per cent to Union Building replacement.

I concur in the above recommendations.

On motion of Mr. Swain, these recommendations were approved.

PURCHASES

Purchases Authorized

(22) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase was recommended on the basis of the lowest acceptable bid.

Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One automatic tissue processor with accessories consisting of one water bath, twelve 24-hour discs, two weekend time delays, sixty receptacles and three paraffin baths</td>
<td>Agency for International Development (Faculty of Medicine - Chiangmai Hospital, Thailand)</td>
<td>Technicon International, Ltd., Chauncey, N.Y.</td>
<td>$2,599.00</td>
</tr>
<tr>
<td>One six-channel polygraph and accessories</td>
<td>Agency for International Development (Faculty of Medicine - Chiangmai Hospital, Thailand)</td>
<td>E &amp; M Instrument Co., Inc., Houston, Texas</td>
<td>$5,840.00</td>
</tr>
<tr>
<td>Services of research vessel &quot;R. V. Inland Seas&quot; for twenty days during the period June 17, 1963, to August 31, 1963</td>
<td>Geology</td>
<td>Great Lakes Research Division, Institute of Science and Technology, Ann Arbor, Mich.</td>
<td>$20,000.00</td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were approved.

Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government; contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors; and University revolving funds authorized by law.
# Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One shear-test machine equipped with maximum load indicator and constant speed motor, to be used in precise measurement of tensile force in pounds required for shear failure of standard plywood specimens</td>
<td>Forestry</td>
<td>Riehle Testing Machines, Division of Ametek, Inc., East Moline</td>
<td>$2,880.00</td>
</tr>
<tr>
<td>462 movable tablet arm classroom chairs with metal frame, plastic seat and back, book rack, and plastic writing surface</td>
<td>Physical Plant</td>
<td>S. Buckman Furniture &amp; Supply Co., Spring Valley</td>
<td>$6,202.07</td>
</tr>
<tr>
<td>Binding (books, serials and newspapers) for all University libraries, viz. Urbana, Chicago Medical Center, and Chicago Undergraduate Division, for the two-year period July 1, 1963, through June 30, 1965</td>
<td>Library</td>
<td>Bergemeyer Book Binding, Inc., Chicago Medical Center, Chicago Undergraduate Division</td>
<td>$10,000.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>225 stainless steel mouse cages and tops</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Dehler Manufacturing Co., Inc. c/o Animal Cage Specialties Co., Oak Park</td>
<td>$2,988.75</td>
</tr>
<tr>
<td>One pH and blood gas analyzer and accessories to be used for the measurement of partial pressure of oxygen and carbon dioxide in blood</td>
<td>Medicine, Chicago</td>
<td>Instrumentation Laboratory, Inc., Boston, Mass.</td>
<td>$2,597.18</td>
</tr>
<tr>
<td>One system for converting an automatic sample changer to a low background automatic sample changer</td>
<td>Pharmacology (College of Medicine)</td>
<td>Nuclear-Chicago Corp., Chicago</td>
<td>$2,683.95</td>
</tr>
<tr>
<td>2,500 vials methicillin sodium; this represents a three-month supply of this item</td>
<td>Pharmacy Stores, Chicago</td>
<td>Broadway Medical Supply, Chicago</td>
<td>$10,085.00</td>
</tr>
<tr>
<td>One high-power pulsed oscillator, 12KC to 220MC, thirteen coil ranges</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>Arenburg Ultrasonic Laboratory, Inc., Jamaica Plains, Mass.</td>
<td>$3,327.00</td>
</tr>
<tr>
<td>One overload eliminator balancing network</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>One set cables and adapters</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two preamplifiers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One oscilloscope, DC to 95 MC, with sweep-delay feature, plug-in preamplifier, probe and adapter, dual-trace plug-in unit</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>$3,189.50</td>
</tr>
<tr>
<td>One power supply</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One mounting frame</td>
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<tr>
<td>One pulse generator</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>One portable scope cart</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One oscilloscope dual-beam, independent sweep systems and delay sweep, 4 kv accelerating potential</td>
<td>Psychology</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>$3,595.00</td>
</tr>
<tr>
<td>Two preamplifiers, plug-in type, 0.2 cps to 40 kc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two mounting frames</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One power supply minus 90 vdc to plus 135 vdc</td>
<td></td>
<td></td>
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<tr>
<td>Two differential amplifiers</td>
<td></td>
<td></td>
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<tr>
<td>One dual trace unit</td>
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<td></td>
</tr>
<tr>
<td>One indicator unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One storage freezer, low temperature, to be used in storing reference serums</td>
<td>Veterinary Medicine</td>
<td>Nance Refrigeration, Urbana</td>
<td>$2,627.42</td>
</tr>
<tr>
<td>Motion picture equipment including distributor control panel and cabinet, interlock distributor, six motor attachments, six relays, 50 ft. interlock cable, one flexible cable, and one remote control attachment for recorder</td>
<td>University of Illinois Committee on School Mathematics</td>
<td>Magravyn Corp., North Hollywood, Calif.</td>
<td>$3,033.10</td>
</tr>
<tr>
<td>Furnish and install theatre draperies and stage skirts for the Assembly Hall; furnish storage boxes for draperies and stage skirts</td>
<td>Assembly Hall</td>
<td>Peter H. Albrecht Co., Milwaukee, Wis.</td>
<td>$31,783.00</td>
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# Purchases from Institutional Funds

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<td>One high-power pulsed oscillator, 12KC to 220MC, thirteen coil ranges</td>
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<td>Peter H. Albrecht Co., Milwaukee, Wis.</td>
<td>$31,783.00</td>
</tr>
</tbody>
</table>
Furnish polacolor film of various types, dip kits, and mounts for period July 1, 1963, through June 30, 1965, to be supplied as required by the Photographic Laboratory.

Furnish processing services as required for 16 mm. and 35 mm. color films, prints, enlargements, and slides, and duplicating color slides, for period July 1, 1963, through June 30, 1965.

Furnish professional photographic materials including transfer papers, offset masters, activator, additives, pin-bar masters, conditioners, and films for period July 1, 1963, to June 30, 1965.

Furnish graphic arts supplies including pre-sensitized grainless aluminum offset plates, developer, film and print paper, to be supplied as required by the Print Shop for the period July 1, 1963, through June 30, 1965.

824 storm sash, aluminum, complete with weatherstripping and necessary hardware to be furnished and installed in the Orchard Downs Housing project; 504 units to be installed in the original Orchard Downs and 320 to be installed in the First Addition to Orchard Downs.

On motion of Mr. Johnston, these purchases were authorized.

**COMPTROLLER’S REPORT OF CONTRACTS**

(23) The Comptroller’s report of contracts executed during the period June 1 to 30, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Aeronautics and Space Administration NaG 376</td>
<td>Underlying processes and techniques of low-pressure measurement</td>
<td>$106 105 00</td>
<td>December 1, 1962</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration NaG 434</td>
<td>Line integrals, surface integrals, volumes, centroids, and moments of inertia for a class of shells of revolution and for a larger class of shells</td>
<td>15 323 00</td>
<td>June 16, 1963</td>
</tr>
<tr>
<td>United States Air Force AF 33 (657)-10822</td>
<td>Deformation and fracture of crystalline solids under dynamic loading</td>
<td>20 134 00</td>
<td>June 1, 1963</td>
</tr>
<tr>
<td>United States Air Force AF 33 (657)-11715</td>
<td>Theoretical investigation of dynamic characteristics of skin stiffener panels</td>
<td>5 000 00</td>
<td>June 1, 1963</td>
</tr>
<tr>
<td>United States Army DA-31-124-ARO(D)-114</td>
<td>Theoretical problems in solid state and low temperature physics</td>
<td>60 870 00</td>
<td>September 1, 1964</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1)-1282</td>
<td>Radiosotopic studies of reticuloendothelial phagocytosis in relation to normal and neoplastic growth, and to immune phenomena</td>
<td>11 481 00</td>
<td>May 17, 1963</td>
</tr>
<tr>
<td>United States Department of Agriculture 12-14-100-6883(71)</td>
<td>Production of spore dust to control Japanese beetle infestations</td>
<td>35 170 00</td>
<td>May 22, 1963</td>
</tr>
<tr>
<td>United States Department of Agriculture 12-14-100-6894(71)</td>
<td>Organocomplexes of transition metals as homogeneous catalysts for hydrogenation of soybean oil</td>
<td>31 475 00</td>
<td>June 11, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-10-117</td>
<td>Curricula content for Technical Education</td>
<td>61 614 00</td>
<td>June 1, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-13-036</td>
<td>Language and area center in Russian</td>
<td>55 070 00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$402 242 00</strong></td>
<td></td>
</tr>
</tbody>
</table>
1963]

UNIVERSITY OF ILLINOIS

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>State's Attorney of Champaign County</td>
<td>Payment, in lieu of taxes, for services rendered</td>
<td>$3,688.00</td>
<td>May 28, 1963</td>
</tr>
<tr>
<td></td>
<td>(Student-Staff Apartments, second unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State's Attorney of Champaign County</td>
<td>Payment, in lieu of taxes, for services rendered</td>
<td>26,854.96</td>
<td>May 28, 1963</td>
</tr>
<tr>
<td></td>
<td>(forty-three tracts)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$30,543.16</td>
<td></td>
</tr>
</tbody>
</table>

| Contract Changes                             |                                                       |                                     |               |
| Association of American Railroads            | Causes of failures in railroad rails in service       | $19,500.00                          | November 2, 1962|
| United States Army                           | Quantitative determination of point and areal precipitation by radar echo measurements | 62,785.00 | June 7, 1963 |
| DA-36-039-SC-87280                           |                                                       |                                     |               |
| United States Atomic Energy Commission       | Studies of rainfall of radioactivity in Illinois      | 78,000.00                           | June 10, 1963 |
| AT (11.1-1199)                               |                                                       |                                     |               |
| United States Navy                           | Nuclear disintegration schemes and nuclear interactions of cosmic rays | 630,000.00 | May 31, 1963 |
| Non-1834 (05)                                |                                                       |                                     |               |
| United States Navy                           | Spectral reflectance characteristics of forest vegetation | 8,653.00  | May 31, 1963 |
| Non-1834 (31)                                |                                                       |                                     |               |
| United States Navy                           | Ultrasound in biology and medicine                    | 2,982.00                            | May 28, 1963  |
| Non-3134 (00)                                |                                                       |                                     |               |
| Total                                        |                                                       | $801,920.00                         |               |

Adjustments Made in 1962-63 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry F. Fisher</td>
<td>Seventeen Items: $61.71 deduct to $400.00</td>
<td>$2,064.45</td>
<td>May and June, 1963</td>
</tr>
<tr>
<td>(Plastering)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$2,064.45</td>
<td></td>
</tr>
</tbody>
</table>

Summary

Amount to be paid to the University: $1,204,162.00
Amount to be paid by the University: $32,608.01

This report was received for record.

CONTRACT FOR MINOR BUILDING ALTERATIONS AND REPAIRS


Mr. Siems has since stated that a serious illness in his family will prevent him from performing the work and has requested that he be permitted to withdraw his bid.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that Mr. Siems' request be granted, that the Board of Trustees rescind its action of June 19, 1963, authorizing execution of a contract with Clarence H. Siems, doing business as Clarence H. Siems Company, and recommend award of a cost-plus contract for minor building alterations, repairs, and construction work for the period July 1, 1963, through June 30, 1964, to the Dean Evans Company, Champaign, Illinois, the next lowest bidder.

I concur.

On motion of Mr. Johnston, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

EQUIPMENT AND ACCESSORIES FOR DIGITAL COMPUTER LABORATORY

(25) The Director of Purchases, with the concurrence of the Vice-President and Comptroller, recommends authorization of a lease-purchase agreement with International Business Machines Corporation (through the Springfield, Illinois, office)
for equipment and accessories to up-date and expand the IBM 7090 computer system in the Digital Computer Laboratory which will include conversion of IBM 7090 to 7094 System, one IBM 1401 computer assembly, and accessories to provide additional input-output channel.

Agreement would provide for a monthly rental of $11,024.00, option deposit of $4,857.94, and a purchase price of $492,419.00 if the University exercises the option to purchase, depending upon the availability of funds from a federal grant and from indirect costs received under government contracts. The prices are net free on board, delivered at Urbana after an educational discount of 60 per cent.

A supporting memorandum is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I recommend approval.

On motion of Mr. Swain, this purchase was authorized.

AMENDMENT OF HOUSING REVENUE BOND RESOLUTIONS

(26) The Housing Revenue Bond Resolution approved by the Board December 17, 1958, the First Supplemental Housing Revenue Bond Resolution approved June 23, 1959, and the Second Supplemental Housing Revenue Bond Resolution approved October 21, 1959, provide in the form of bonds that the bonds will be executed by the facsimile signature of the President and signed by the two members of the Board.

Subsequent to the adoption of these resolutions, the General Assembly passed the Uniform Facsimile Signature of Public Officials Act which provides that facsimile signatures can be used on any bond, so long as there is one manual signature. All the bonds are signed manually by the Secretary of the Board.

The Housing and Home Finance Agency has requested that coupon bonds be issued in exchange for fully registered bonds, and new bonds have to be printed. In order that the two members of the Board may have their facsimile signatures printed on the bonds in lieu of signing the bonds manually, the Vice-President and Comptroller recommends that the form of bonds of these three issues be amended to provide for their facsimile signatures.

I concur and recommend adoption of the following resolution:

Resolution

WHEREAS, The Board of Trustees of the University of Illinois has heretofore issued its Housing Revenue Bonds of 1958 Series A and B, its Housing Revenue Bonds of 1959 Series A, B, C, and D, under and pursuant to a Resolution (the "Resolution") duly adopted December 17, 1958, as supplemented by First and Second Supplemental Resolutions respectively, adopted June 23, 1959, and October 21, 1959; and

WHEREAS, said Resolution provides that Bonds issued thereunder shall be signed by the President and any two members of The Board of Trustees and shall have the seal of the University affixed thereto (or a facsimile seal or signatures as permitted by law); and

WHEREAS, it is now permitted by law that Bonds of this Board of Trustees be signed by the facsimile signatures of the President and two members of the Board but the forms of the Housing Revenue Bonds of 1958 and 1959 set forth in the Resolution and the said First and Second Supplemental Resolutions thereto recite that they have been executed by the facsimile signature of the President and signed by two of its members; and

WHEREAS, this Board of Trustees now desires to cause Bonds which are to be issued in exchange for outstanding Housing Revenue Bonds of 1958 and 1959 to be executed by the facsimile signatures of its President and two of its members.

Now, Therefore, Be It and It Is Hereby Resolved that all Bonds of The Board of Trustees of the University of Illinois issued or to be issued in exchange for outstanding Housing Revenue Bonds of 1958 Series A and B, and Housing Revenue Bonds of 1959 Series A, B, C, and D, may be executed by the facsimile signatures of the President and two members of the Board of Trustees and the officers of the Board of Trustees are hereby authorized and directed to make such changes in the final paragraph of the form of the Bond as shall be consistent with the manner in which it is executed and delivered.
Resolved Further that if the Bonds are executed by facsimile signatures of the President and two members of this Board of Trustees, the following language is hereby authorized and approved for the text of the final paragraph of each of the Bond forms:

"In Witness Whereof, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and this bond to be dated as of the ...... day of .................., 19......"

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

FAIR EMPLOYMENT PRACTICES COMMISSION LEGISLATION

Mr. Dilliard moved that the Board of Trustees of the University of Illinois take approving notice of the passage by the Illinois Legislature of the new FEPC bill clarifying the relations between the Illinois FEPC and the state government of Illinois, and its subdivisions and other tax-supported units of government in Illinois, and that the Board of Trustees further pledge cooperation and support in fair employment practices, aims, and purposes in accordance with existing University policies.

This motion was adopted.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, cancellations, and terminations; leaves of absence; changes in sabbatical leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

BISWAS, MRS. CHITRA, Assistant in Dairy Science (S), two months from July 1, 1963, $433.33 a month, supersedes (6-14-63).

BOHM, LARRY G., Project Assistant in the State Natural History Survey, two months from July 1, 1963, $368 a month, supersedes (6-6-63).

BORCHART, EUGENE K., Instructor in Radiology (Medicine), six months from July 1, 1963, $12,000, supersedes (6-6-63).

CICENAS, ZINNIA, Registered Pharmacist in Hospital Pharmacy (Pharmacy), three months from June 1, 1963, $625 a month (6-6-63).

DICKINSON, JOHN O., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), 2/3 time, three months from June 1, 1963, $425 a month; and 2/3 time, one year from September 1, 1963, $5,100 (6-13-63).

DUNPHY, EDWARD J., Assistant in Soil Fertility (Agronomy) (S), two months from July 1, 1963, $416.67 a month, supersedes (6-6-63).

FELLO, MICHAEL A., Research Assistant in Medicine (Medicine), July 1, 1963-August 31, 1964, $7,350 a year (6-8-63).

Foster, Merlin J., Research Programmer in the Digital Computer Laboratory, two months from July 1, 1963, $1,454.54, supersedes nonacademic appointment (6-7-63).

GILLESPIE, ROBERT W., Assistant Professor of Economics, two months from June 16, 1963, $1,910; this is in addition to his present appointment (6-6-63).

GROFF, FRANKLIN H., Assistant-Counseling in the Student Counseling Service, one month from June 1, 1963, $327.92, supersedes (6-6-63).
HAHN, JEROME J., Instructor in Medicine (Medicine), July 1, 1963-August 31, 1964, $10,500 a year (6-6-63).

HARMER, FRED G., Research Associate in Agricultural Economics (S), ¾ time, February 1-June 15, 1963, $2,531.25 (6-3-63).

HODGSON, DONALD R., Professor of Economics, two months from June 16, 1963, $3,334; this is in addition to his present appointment (6-6-63).

HUBER, THOMAS L., Research Associate in Animal Science (S), July 1, 1963-August 31, 1964, $6,100 a year (6-6-63).

JACKSON, JOSEPH F., Professor of French, 31/100 time, June 17-August 10, 1963, $850; this is in addition to his present appointment (6-6-63).

KORNACKER, MRS. MILDRED, Instructor in Sociology (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,289 for the period (6-14-63).


LAMBERT, ROBERT J., Research Associate in Agronomy (S), July 1, 1963-August 31, 1964, $7,000 a year, supersedes (6-6-63).

LARSON, CARL M., Assistant Professor of Marketing (Chicago Undergraduate Division), June 21-August 16, 1963, $1,756; this is in addition to his present appointment (6-6-63).

LAUGHUNN, DANNY J., Assistant in the Graduate School of Business Administration (College of Commerce and Business Administration), June 10-September 9, 1963, $666.67 a month (6-6-63).

MACKIN, JOHN H., Jr., Assistant to the Dean of the College of Liberal Arts and Sciences (Chicago Undergraduate Division), June 21-August 16, 1963, $1,689; this is in addition to his present appointment (5-17-63).

MASON, JAMES H., Instructor in Surgery (Medicine), ½ time, two months from July 1, 1963, $4,700 a year (6-6-63).


McCoy, RAYMOND A., Visiting Lecturer in English, Summer Session of 1963, June 17-August 10, 1963, $2,100 for the period (6-13-63).

McManus, JOHN B., Research Assistant in the Statistical Service Unit, June 16-August 31, 1963, $428.33 a month (6-6-63).

MERRILL, MARVIN F., Assistant in Soil Fertility (Agronomy) (S), three months from June 1, 1963, $416.67 a month, supersedes (6-14-63).

MERRILL, MARY E., Assistant in English, Summer Session of 1963, June 17-August 10, 1963, $889 for the period (6-10-63).

MuKHERJEE, KALINATH, Research Associate in Metallurgical Engineering (C), three months from June 1, 1963, $666.67 a month, supersedes (6-10-63).

Orolp, DONALD E., Special Research Assistant in the State Geological Survey, seven months from July 1, 1963, $6,600 a year (6-12-63).

Patterson, HARLAN R., Assistant Professor of Finance, academic year beginning September 1, 1963, $7,500 (6-6-63).

Perry, GEORGE T., Clinical Instructor in Medicine (Medicine), four months from May 1, 1963, without salary (5-31-63).

Radice, CANIO, Professor of Art (Chicago Undergraduate Division), June 21-August 16, 1963, $2,289; this is in addition to his present appointment (5-31-63).

Ribeiro, SERGIO T., Research Associate in the Digital Computer Laboratory, two months from July 16, 1963, $1,444.44 (5-31-63).

Ripp, SEWARD E., Research Assistant Professor of Management, ½ time, June 18-August 9, 1963, $833, supersedes (6-6-63).

Rohatsch, FRED A., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, $933.32 (6-4-63).

Rowe, JAMES A., Clinical Instructor in Medicine (Medicine), four months from May 1, 1963, without salary (5-31-63).

Rucker, WALTER E., Research Associate in Education (University High School), one year from September 1, 1963, $9,000 (5-31-63).

Shively, RICHARD R., Research Associate in the Digital Computer Laboratory, June 16-July 31, 1963, $1,083.33 (5-31-63).

Shegrude, FRED F., Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, $7,300 a year (5-31-63).
SIEGFRIED, ROBERT, Associate Professor of Chemistry (Division of General Studies), Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $989 for the period (6-13-63).
SIMON, ELLEN M., Research Associate in Zoology, 1/2 time, June 16-August 31, 1963, $222.22 a month, supersedes (6-14-63).
SIMONELLI, LEONARDO, Research Associate in the Coordinated Science Laboratory (C), one year from August 1, 1963, $7,200 (6-6-63).
SNYDER, HAROLD R., Research Professor of Organic Chemistry (College of Liberal Arts and Sciences) and Associate Dean of the Graduate College, two months from June 16, 1963, $3,777.76; this is in addition to his present appointment (6-13-63).
STEIN, SONDRA R., Research Associate in Microbiology, June 16-August 31, 1963, $583.33 a month (6-6-63).
STIPPE, MARVIN C., Professor of Theoretical and Applied Mechanics, Summer Session of 1963, 3/4 time, June 17-August 10, 1963, $1,934 for the period (6-13-63).
STRAUDE, KENNETH H., Assistant in Physical Education for Men (Chicago Undergraduate Division), nine months from September 16, 1963, $4,600; also $500 to be received from the Athletic Association (5-31-63).
THODE, E. WAYNE, Visiting Lecturer in Law, Summer Session of 1963, June 17-August 10, 1963, $3,000 for the period (6-14-63).
THOITS, CHARLES F., III, Research Associate in the State Natural History Survey, two months from July 1, 1963, $580 a month, supersedes (6-6-63).
THYRA, ALEVGI A., Research Assistant in Mechanical Engineering (College of Engineering) and in the Small Homes Council-Building Research Council (College of Fine and Applied Arts), June 16-August 31, 1963, $488.88 a month (6-6-63).
TOVAR, ANTONIO, Professor of the Classics, one month from August 1, 1963, $1,500 (6-4-63).
TURNBAUGH, ROY C., Visiting Lecturer in Education, Summer Session of 1963, June 17-July 14, 1963, $1,000 for the period (6-13-63).
VESTLING, CARL S., Professor of Biochemistry, Summer Session of 1963, June 17-August 10, 1963, $3,400 for the period (6-13-63).
WALES, JANET H., Research Assistant in the Bureau of Economic and Business Research, June 1-August 23, 1963, $408.33 a month, supersedes (6-6-63).
WANKA, FRIEDRICH, Research Associate in Botany, five months from July 1, 1963, $487.50 a month (6-6-63).
WEBB, RICHARD S., JR., Instructor in Surgery (Medicine), 3/4 time, two months from July 1, 1963, $531.25 a month, supersedes (6-6-63).
WEBSTER, LOUIS B., Professor of City Planning and Landscape Architecture, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $1,789 for the period (6-13-63).
WUNDERLE, STEVEN L., Research Assistant in the State Natural History Survey, one month from June 1, 1963, $415 (6-13-63).
YANKOFKY, SAUL A., Research Associate in Microbiology, June 16-August 31, 1963, $500 a month, supersedes his appointment as United States Public Health Service Fellow (Trainee) in Microbiology (6-6-63).
ZAHORSKY, UWE INGOMAR, Research Associate in Chemistry, June 16-August 31, 1963, $508.33 a month; and for one year from September 1, 1963, $6,100 (6-6-63).

GRADUATE FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ANDERSON, SONIA R., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $467 (5-28-63).
Baker, Sheila E., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (5-16-63).
BRILL, WINSTON J., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, $3,200 (5-24-63).

BROASAMLER, GUNNAR, Continental Oil Company Fellow in Mathematics, nine months from September 16, 1963, $2,200, supersedes; and Summer Fellow in Mathematics, two months from June 16, 1963, $375 (6-3-63).

CADKIN, LAWRENCE M., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, $600 (5-3-63).

CALDARELLI, DAVID D., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).

CARNEY, JOSEPH H., Teaching Fellow in Chemistry, nine months from September 16, 1963, $2,000; and two months from June 16, 1964, $500, supersedes; this is in addition to his Sigma Xi Summer 1963 Fellowship (5-31-63).

CHOCHOLA, RONALD G., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).

CHRISTENSEN, JAMES, Jr., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, $500 (6-14-63).

DUROW, IRA W., Medical Student Summer Quarter Fellow in Pathology, three months from June 16, 1963, $600 (5-6-63).

DUKER, NAHUM J., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).

DVORAK, PAUL F., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, $600 (5-18-63).

D'ZURILLA, THOMAS J., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $2,400 (6-3-63).

EMBETTA, MARIA J., Summer Fellow in Spanish, two months from June 16, 1963, $375 (4-16-63).

FARMER, MELVIN L., United States Public Health Service Predoctoral Fellow in Chemistry, one year from June 16, 1963, $3,200 (6-11-63).

FARMER, RICHARD F., Fellow in Economics, nine months from September 16, 1963, $2,000; and two months from June 16, 1963, $500, supersedes (6-10-63).


GLAS, JOSEPH P., Diamond Alkali Summer Fellow in Chemical Engineering, two months from June 16, 1963, $600 (5-27-63).

GOLDSMITH, JEROME, Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-14-63).

FREDERIKSEN, CARL H., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (5-17-63).

FRIEDMAN, THEODORE A., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).

FRYMAN, RICHARD F., Fellow in Economics, nine months from September 16, 1963, $2,000; and two months from June 16, 1963, $500, supersedes (6-10-63).


GLAS, JOSEPH P., Diamond Alkali Summer Fellow in Chemical Engineering, two months from June 16, 1963, $600 (5-27-63).

GOLDSMITH, JEROME, Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-14-63).

GOLDSMITH, JEROME, Medical Student Alternative Quarter Fellow, three months from June 16, 1963, $200 (5-16-63).

GOLSTEIN, ARNOLD S., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, $600 (5-3-63).

GOSFINKEL, HARVEY J., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).

HANCOCK, BRADFORD, Dental Student Summer Quarter Fellow in Histology, three months from June 16, 1963, $600 (5-14-63).


HARRIS, GERALD E., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).


HARRIS, GERALD E., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).

HELM, FREDERIC C., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, $600 (5-3-63).

HENNEIKE, HENRY F., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, $2,800 (6-19-63).

HOLMES, PETER K., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from July 1, 1963, $1,866.69 (5-24-63).
JACOBSON, LEWIS A., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,100; and United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-27-63).

KAHLE, GLENN W., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, $2,600 (5-16-63).

KAISER, DAVID A., Dental Student Summer Quarter Fellow in Pedodontics, three months from June 16, 1963, $600 (5-14-63).

KINDT, THOMAS J., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,100; and United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-28-63).

KLAMA, DALE J., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (5-16-63).

KRUG, RONALD S., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $2,400 (6-3-63).

KUENZI, THOMAS J., National Science Foundation Institute Fellow in Mathematics, three months from June 16, 1963, $1,327.50 (6-14-63).

KUHONTA, PRECIO C., Wright Fellow in Agricultural Economics, nine months from September 16, 1963, $1,800; and two months from June 16, 1964, $600, supersedes (5-31-63).

LABSTROM, L., Medical Student Summer Quarter Fellow in Biochemistry, DONALD, three months from June 16, 1963, $600 (5-3-63).


LUKANIC, MILDRED J., Medical Student Summer Quarter Fellow in Microbiology, three months from June 16, 1963, $600 (5-3-63).

MACLEOD, ROBERT M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1963, $2,666 (6-6-63).

MACNUS, DAVID P., Medical Student Summer Quarter Fellow in Pharmacology, three months from June 16, 1963, $600 (5-3-63).

MCDANIEL, RICHARD T., Dental Student Summer Quarter Fellow in Microbiology, three months from June 16, 1963, $600 (5-14-63).

MCGURK, DONALD J., Hoffman-LaRoche, Inc., Summer Fellow in Chemistry, two months from June 16, 1963, $500 (6-3-63).

MCMANN, MARSHA R., Teaching Fellow in Dance, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375, supersedes (6-4-63).

MILNER, LARRY S., Tobacco Industry Research Fellow in Anatomy at the Medical Center, three months from June 16, 1963, $600 (5-8-63).


MURRAY, CECIL P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,740, supersedes (6-6-63).

MUSLINER, WALTER J., Hoffman-LaRoche, Inc., Summer Fellow in Chemistry, two months from June 16, 1963, $500 (6-3-63).

NIXON, JOSEPH E., United States Public Health Service Fellow (Trainee) in Animal Science, one year from July 1, 1963, $2,600 (6-14-63).

OSTER, MARK O., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, $467 (5-27-63).

PECK, ARNOLD M., Medical Student Alternative Quarter Fellow in Anatomy, three months from December 16, 1963, $200 (5-6-63).

POLSKY, ROBERT N., Medical Student Summer Quarter Fellow in Pathology, three months from June 16, 1963, $600 (5-6-63).

POWER, HARRELL, Fellow in Law, Summer Session of 1963, June 17-August 10, 1963, $375 (6-8-63).

RAHN, DON W., National Science Foundation Graduate Fellow in Electrical Engineering, one year from June 1, 1963, $3,700 (6-14-63).

RESSMAN, RICHARD B., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, $600 (5-3-63).

RHODES, MITCHELL L., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).
ROBINSON, MARIE L., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,100; and United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-27-63).

ROGENESS, GRAHAM A., Medical Student Alternative Quarter Fellow, three months from June 16, 1963, $200 (5-6-63).

SAMUELS, ARNOLD H., Medical Student Summer Quarter Fellow in Biological Chemistry, three months from June 16, 1963, $300 (5-16-63).

SARNAT, HARVEY B., Medical Student Summer Quarter Fellow in Anatomy, three months from June 16, 1963, $600 (5-6-63).

SCHROEDER, WILLIAM F., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from August 1, 1963, $5,700 (6-14-63).

SCHUFFLER, MICHAEL D., Medical Student Summer Fellow in Biochemistry, three months from June 16, 1963, $600 (5-8-63).

SCHULTE, RICHARD H., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $2,400 (6-3-63).

SENELLO, LAWRENCE T., United States Public Health Service Fellow (Trainee) in Food Technology, one year from June 16, 1963, $2,500 (6-14-63).

SCHAFF, RAMADAN I., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1963, $2,666 (6-4-63).

SCHUFFLER, MICHAEL D., Medical Student Summer Fellow in Biochemistry, three months from June 16, 1963, $600 (5-6-63).

SCHUFFLER, MICHAEL D., Medical Student Summer Fellow in Biochemistry, three months from June 16, 1963, $600 (5-8-63).

SCHUFFLER, MICHAEL D., Medical Student Summer Fellow in Biochemistry, three months from June 16, 1963, $600 (5-6-63).

SCHUFFLER, MICHAEL D., Medical Student Summer Fellow in Biochemistry, three months from June 16, 1963, $600 (5-8-63).

SCHUFFLER, MICHAEL D., Medical Student Summer Fellow in Biochemistry, three months from June 16, 1963, $600 (5-6-63).

SHARP, JAMES B., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 1, 1963, $6,300 (6-14-63).

SLATON, DONALD W., United States Public Health Service Fellow (Trainee) in Microbiology, June 16, 1963-August 31, 1964, $2,820 (5-21-63).

SLOAN, DENNIS E., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).


TAYLOR, DOUGLAS H., Fellow in Mathematics, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375, supersedes (6-6-63).

THOMAS, JOHN A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, $445 (5-20-63).

THOMASON, WALTER N., United States Public Health Service Fellow (Trainee) in Civil Engineering (Radiological Health), nine months from September 16, 1963, $2,700 (5-29-63).

VAN DYCK, PETER C., Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (5-6-63).

VETTERLING, JOHN M., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1963, $5,200 (5-29-63).

VICTOR, THOMAS A., Medical Student Alternative Quarter Fellow, three months from June 16, 1963, $200 (6-6-63).

VOILS, DON L., National Science Foundation Institute Fellow in Mathematics, three months from June 16, 1963, $1,470 (6-14-63).

WILLIAMSEN, JOHN A., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $3,000 (6-3-63).

WILLMORE, FLOYD E., National Science Foundation Institute Fellow in Mathematics, three months from June 16, 1963, $1,270 (6-14-63).

WOLFSON, RONALD L., Medical Student Summer Quarter Fellow in Biochemistry, three months from June 16, 1963, $600 (5-3-63).

YOUGERMAN, WILLIAM D., Medical Student Summer Quarter Fellow in Surgery, three months from June 16, 1963, $600 (5-3-63).

ZBARAZ, DAVID, Medical Student Summer Quarter Fellow in Pathology, three months from June 16, 1963, $600 (5-3-63).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

BERGER, BENNETT M., Associate Professor of Sociology — resignation effective September 1, 1963.
CREESE, WALTER L., Professor of Architecture — resignation effective September 1, 1963.
DAVIDSON, RAYMOND A., Assistant Professor of Electrical Engineering — resignation effective September 1, 1963.
DINKINES, FLORA, Associate Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
ELSEY, JOHN C., Research Associate in the Coordinated Science Laboratory — resignation effective July 16, 1963.
FRIEDMAN, ROBERT B., United States Public Health Service Fellow (Trainee) in Biological Chemistry — termination effective June 16, 1963.
GAIDES, GLEN E., Instructor in Physical Science, Division of General Studies — resignation effective September 1, 1963.
GOLD, JOHN R., Instructor in Art — resignation effective September 1, 1963.
GORDON, LOUIS L., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
HALL, BENJAMIN D., Associate Professor of Physical Chemistry and of Biochemistry — resignation effective September 1, 1963.
HEFTEL, DANIEL L., Instructor in Psychology and Counselor in the Student Counseling Service (Chicago Undergraduate Division) — resignation effective July 1, 1963.
HUANG, EUGENE Y., Associate Professor of Civil Engineering — resignation effective September 1, 1963.
HUFFNAGLE, MADELINE A., Research Assistant in Zoology — resignation effective June 1, 1963.
JONES, ROBERT A., Acquisition Assistant in the Library — resignation effective September 1, 1963.
JORDAN, MOREEN C., Associate Professor of English (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
KILLIAN, PAULETTA L., Research Assistant in Chemistry — resignation effective July 1, 1963.
KUPPERMANN, ARON, Associate Professor of Physical Chemistry — resignation effective September 1, 1963.
LEE, DONG W., Fellow in Civil Engineering — resignation effective June 16, 1963.
MINNIS, JOANNE E., Fellow in English — resignation effective June 16, 1963.
MORELLO, MARY R., Assistant to the Director of the Office for Foreign Students — resignation effective July 8, 1963.
MUELLER, THOMAS J., Assistant Professor of Mechanical Engineering — resignation effective September 1, 1963.
NEWMAN, DUANE E., Research Associate in the Natural History Survey — resignation effective July 6, 1963.
NIKOLIN, MRS. DILARA, Instructor in Russian — resignation effective September 1, 1963.
PAULSON, RONALD, Associate Professor of English — resignation effective September 1, 1963.
PINK, PAUL, Research Associate in Biological Chemistry (Medicine) — resignation effective June 26, 1963.
RUINA, JACK P., Professor of Electrical Engineering and Research Professor in the Coordinated Science Laboratory — resignation effective July 1, 1963.
Schulte, Henry F., Instructor in Journalism and Assistant to the Dean of the College of Journalism and Communications—resignation effective July 1, 1963.

Shaner, G. David, Assistant Professor of Art—resignation effective September 1, 1963.

Siegfried, Robert, Associate Professor of Chemistry, Division of General Studies—resignation effective September 1, 1963.

Sjoblom, Lawrence R., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.

Slama, Lucien P., Visiting Research Associate in Electrical Engineering—resignation effective September 1, 1963.

Strobach, Donald R., Research Associate in Chemistry—resignation effective June 16, 1963.

Strout, Donald E., Professor of Library Science—resignation effective September 1, 1963.

Suresh, Kuppa Halli S., Research Associate in Chemistry (Pharmacy)—resignation effective July 1, 1963.

Thompson, Wayne N., Professor of Speech (Chicago Undergraduate Division)—resignation effective September 1, 1963.

Thompson, William R., Assistant in the Graduate School of Library Science, Summer Session of 1963—declination effective June 17, 1963.

Vestling, Mrs. Christina M., Assistant in Library Science—resignation effective July 1, 1963.

Wagner, Lewis E., Professor of Economics—resignation effective September 1, 1963.

Walls, Mrs. Wanda J., Instructor in Textiles and Clothing (Home Economics)—resignation effective September 1, 1963.


Yankofsky, Saul A., United States Public Health Service Fellow (Trainee) in Microbiology—resignation effective June 16, 1963.

Yokoyama, Masauro, Visiting Research Associate in Electrical Engineering—resignation effective September 1, 1963.

Leaves of Absence

Argoudelis, Christos, Assistant Professor of Food Technology, in the Agricultural Experiment Station—leave of absence, without pay, during the month of August, 1963, to be combined with his vacation for travel abroad.

Barry, Alan J., Assistant Professor of Physical Education for Men—leave of absence, without pay, for one year from September 1, 1963, so that he may accept a postdoctoral fellowship at Lankenau Hospital in Philadelphia, Pennsylvania, for a study of the techniques employed there in the study of human work capacity.

Leonard, James W., Associate Professor of Finance—leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Associate Professor at Michigan State University.

Changes in Sabbatical Leaves of Absence

Fosdick, Lloyd D., Research Professor of Physics, in the College of Engineering and in the Digital Computer Laboratory—sabbatical leave of absence for the second semester of 1963-64 with full pay; and leave of absence without pay from September 1, 1964, through February 28, 1965, supersedes previous sabbatical leave of absence granted him for the first semester of 1963-64.

O'Kelly, Lawrence I., Professor of Psychology—sabbatical leave of absence for the first semester of 1963-64 with full pay, supersedes sabbatical leave of absence previously granted him for the full year on one-half pay.

Future Board Meetings

President Clement announced that the Board will hold its next meeting on August 1, 1963, in Chicago, Illinois, with the understanding that if the volume of business does not justify calling a meeting of the full Board, he will cancel the meeting and call a meeting of the Executive Committee.
The regular September Board meeting will be held on Wednesday, September 18, 1963, in Urbana.

The date of the regular October meeting would be Wednesday, October 16, 1963. The 1963 annual meeting of the Association of Governing Boards of State Universities and Allied Institutions which some of the Trustees may wish to attend will be held at Pennsylvania State University beginning October 16, and the Trustees may wish to consider changing the date of its October meeting.

The Secretary was instructed to poll the members of the Board regarding their choice of alternate dates and places for the meeting, with the understanding that the President may order a change in the date if it appears feasible.

EXECUTIVE SESSION

President Clement stated that an executive session was being requested for consideration of reports and recommendations relating to property acquisitions and appointments to the staff; and that no meetings of Board Committees have been scheduled.

On motion of Mrs. Watkins, the Board voted to go into executive session.

The Board considered the following reports and recommendations from the President of the University.

PURCHASE OF PROPERTY AT 1113 WEST ILLINOIS STREET, URBANA, ILLINOIS

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1113 West Illinois Street, Urbana, at a price of $37,000, which is consistent with University appraisals.

The property is a lot 65 feet by 150 feet (9,750 square feet) and is improved with a two and one-half story and basement frame dwelling. The land is within the area needed as a site for the Center for Performing Arts.

The Committee on Buildings and Grounds has been consulted regarding this purchase, and recommends approval.

Funds are available in the state capital appropriations to the University and have been released.

I concur.

On motion of Mr. Hughes, the purchase of this property, at the price recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

PURCHASE OF PROPERTY AT 206 NORTH ROMINE STREET, URBANA, ILLINOIS

(2) The Board of Trustees on March 20, 1963, authorized condemnation proceedings for the acquisition of the property at 206 North Romine Street, Urbana.

Through subsequent negotiations, and prior to filing suit, a price of $25,000 has been agreed upon for the purchase of this property, which is within the limit authorized by the Committee on Buildings and Grounds. It also appears to be the lowest price for which the property can be acquired without condemnation proceedings and incurring the resulting costs.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

I recommend authorization of this purchase, and further recommend that the Board rescind its action of March 20 with respect to condemnation proceedings.
On motion of Mr. Johnston, the Board rescinded its action of March 20 authorizing condemnation proceedings for the acquisition of this property, and authorized its purchase at a price of $25,000; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

AIRPORT IMPROVEMENTS

(3) The Federal Aviation Agency has indicated its interest in proceeding with the installation of an Instrument Landing System (ILS) on the NW/SE runway at the University of Illinois-Willard Airport. This installation can be on land within Airport boundaries, or on land which the F.A.A. has under lease. The ILS installation will be at no cost to the University since it is a part of the improvements to the Interstate Airways System. The estimated investment of $165,000 will improve the safety facilities of the Airport in bad weather.

The F.A.A. policy is to install Approach Lighting Systems (ALS) with an Instrument Landing System wherever practicable. The Agency requests, as a part of its proceeding with the ILS system, that the University formally express its intention of acquiring necessary property rights to permit the ALS installation eventually. The rights needed are approximately nineteen acres of fee title and avigation easements over approximately one hundred and fifteen acres, all land lying off the east and west ends of the NW/SE runway.

It is anticipated that the University will soon receive $39,000 from the federal government for its share of the cost of property acquisition in extending the N/S runway. These funds should be adequate to provide for the additional property rights necessary for the ALS installation.

The Director of the Institute of Aviation recommends that the University: (a) request that the NW/SE runway be designated as the instrument runway and, (b) assure the Federal Aviation Agency that it is the intention of the University, subject to statutory and constitutional limitations binding upon it and to the availability of funds which may lawfully be used for such purpose, to proceed to acquire the necessary land and/or avigation rights on the NW/SE runway to meet the requirements for an instrument runway and provide facilities for an Approach Lighting System.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; present but not voting, Mr. Johnston; absent, Mr. Kerner.

At this point, on motion of Mr. Dilliard, the executive session was extended for consideration of personnel matters; and all University personnel, except members of the Board of Trustees, officers of the Board, the President, the Executive Vice-President and Provost, and the Legal Counsel of the University were excused from the meeting.

At the request of Mr. Pogue, the President and Executive Vice-President and Provost reviewed certain administrative decisions relating to the status of faculty and administrative personnel. Following this review and discussion, it was the consensus of the Board that no matter of Board policy was involved.

On motion of Mr. Williamson, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President
MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

August 1, 1963

The August meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Thursday, August 1, 1963, beginning at 9:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner and Mr. Ray Page were absent.

Also present were Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant (representing Director C. S. Havens), Mr. C. E. Flynn, Assistant to the President and Director of Public Information; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
MINUTES APPROVED

The Secretary presented the minutes of the meeting of the Board of Trustees on February 20, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Johnston, these minutes were approved as printed on pages 359 to 417, inclusive.

BUSINESS PRESENTED BY THE EXECUTIVE VICE-PRESIDENT AND PROVOST OF THE UNIVERSITY

In the absence and on behalf of President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier presented the following reports and recommendations.

APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY

(1) The Committee on Accountancy recommends the appointment of Charles W. Davis, Resident Partner of Hopkins, Sutter, Owen, Mclroy, and Wentz, Lawyers, Chicago, to the Board of Examiners in Accountancy for a three-year term beginning July 1, 1963, to succeed Mr. William W. Emery, whose term expired on June 30, 1963.

I concur.

On motion of Mrs. Watkins, this appointment was approved.

ADVISORY COMMITTEE FOR THE COLLEGE OF VETERINARY MEDICINE

(2) The Dean of the College of Veterinary Medicine recommends the following additional new appointments and reappointments to the Advisory Committee for the College of Veterinary Medicine for terms of three years beginning September 1, 1963.

New Appointments

DR. MERRILL W. G. OTTWEIN, Rural Route 2, Edwardsville
Dr. Ottwein received the D.V.M. degree from the University in 1956, and is one of the College's most able alumni. He is keenly interested in the University, the College, and in advancement of the profession.

DR. HAROLD E. HELD, 1254 South Carroll Street, Freeport
Dr. Held received the D.V.M. degree from Iowa State University in 1942, and has been a leader, both professionally and in civic affairs, in the community in which he resides. Dr. Held is well thought of by his colleagues in the profession and has demonstrated excellent judgment and a progressive attitude.

MR. GEORGE BRAUER, Oakford
Mr. Brauer is a livestock farmer; his appointment is recommended by the Illinois Swine Improvement Association.

Reappointments

DR. O. NORLING-CHRISTENSEN, Wilmette

Dr. Kraeker, Head of the Department of Pathology, College of Medicine, University of Illinois, Chicago

Mr. R. V. McKeever, Washburn

I concur.

On motion of Mr. Hughes, these appointments were approved.

APPOINTMENTS TO CENTER FOR ZOONOSSES RESEARCH

(3) On recommendation of the Dean of the College of Veterinary Medicine and Director of the Center for Zoonoses Research, the following appointments to the staff of the Center have been approved and are reported for record.

Senior Memberships (indefinite tenure)

CHARLES S. ALEXANDER, Associate Professor of Geography, College of Liberal Arts and Sciences, University of Illinois
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Fred W. Foster, Professor of Geography, College of Liberal Arts and Sciences, University of Illinois
Manford E. Mansfield, Professor of Veterinary Extension and of Veterinary Research, Dixon Springs Experiment Station, University of Illinois
William C. Marquardt, Associate Professor of Veterinary Pathology and Hygiene and of Veterinary Extension, College of Veterinary Medicine, University of Illinois
Robert J. Webb, Professor of Agricultural Research and Extension, and Superintendent of Dixon Springs Experiment Station, College of Agriculture, University of Illinois
Harry Wright, Medical Director, Quadri-County Department of Health, Metropolis

Associate Membership (for one year from September 1, 1963)
Gilbert P. Waldbauer, Professor of Entomology, College of Liberal Arts and Sciences, University of Illinois

Consultants (for three years from September 1, 1963)
Carl M. Johnson, Director, Gorgas Memorial Laboratory, Panama, Republic of Panama
Fred D. Maurer, Colonel, Armed Forces Institute of Pathology
Maurice S. Shahan, Plum Island Animal Disease Laboratory, Greenpoint, Long Island, New York

On motion of Mr. Hughes, these appointments were confirmed.

APPOINTMENTS TO THE FACULTY
(4) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.
1. Robert R. Allen, Assistant Professor of English, beginning September 1, 1963, at an annual salary of $7,000.
2. Carl T. Ault, Bailey Professor of Money, Banking, and Finance, beginning September 1, 1963, at an annual salary of $20,000.
3. Alfred J. Banner, Assistant Professor of Housing and Home Furnishings, in the Department of Home Economics, beginning September 1, 1963, at an annual salary of $6,800.
4. Frank H. Beach, Professor of Marketing, Emeritus, and Acting Head of the Department of Marketing, in the College of Commerce and Business Administration, on three-fifths time, for one year beginning September 1, 1963, at a salary of $8,000.
5. John H. Behrens, Assistant Extension Editor, with rank of Assistant Professor, College of Agriculture, for one year from July 15, 1963, at a salary of $12,000.
6. John Black, George A. Miller Distinguished Professor of Economics, for the academic year 1963-64, at a salary of $15,000.
7. César Graña, Visiting Associate Professor of Sociology, beginning September 1, 1963, at an annual salary of $12,000.
8. Harold W. Guthrie, Research Professor in the Bureau of Economic and Business Research, beginning September 1, 1963, at an annual salary of $14,000.
9. Robert H. Kockenot, Professor of Epizootiology and Assistant Director of the Center for Zoonoses Research, beginning August 1, 1963, at an annual salary of $18,000.
10. Gilbert Ososky, Assistant Professor of History, in the Division of Social Sciences, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of $6,750.
11. Chei-Min Paik, Assistant Professor of Business Administration, in the Graduate School of Business Administration, beginning September 1, 1963, at an annual salary of $8,500.
12. John K. Simon, Assistant Professor of French, on two-thirds time, and Assistant Professor of English, on one-third time, beginning September 1, 1963, at an annual salary of $7,500.
13. Mary E. Sullivan, Consultant with rank of Associate Professor, in the Jane Addams Graduate School of Social Work, beginning September 1, 1963, at an annual salary of $11,750.

14. Earle F. Zeigler, Professor of Physical Education for Men, beginning September 1, 1963, at an annual salary of $12,000.

On motion of Mr. Williamson, these appointments were confirmed.

CHAIRMANSHP OF THE DEPARTMENT OF PHILOSOPHY

(5) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Bernard J. Diggs as Chairman of the Department of Philosophy for two years beginning September 1, 1963, at an annual salary of $13,000.

The present Chairman, Professor Frederick L. Will, has asked to be relieved of this administrative assignment so that he may devote full time to teaching and research. This recommendation is submitted on nomination by a search committee, and after consultation with the Executive Committee of the Department, and is concurred in by the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

GRADUATE PROGRAM LEADING TO THE DEGREE OF DOCTOR OF PHILOSOPHY IN BIOLOGY

(6) On recommendation of the School of Life Sciences and with the concurrence of the Executive Committee of the Graduate College, the Urbana-Champaign Senate has recommended establishment of a graduate program leading to the degree of Doctor of Philosophy in Biology, for training graduate students in coordinated interdepartmental areas of biology.

Admission Requirements

A grade-point average of at least 3.75 for the last sixty hours of work.

Students entering the program must meet the admission requirements of the approved area of specialization and in addition have some general training in botany, microbiology, and zoology, with at least a year of college physics, chemistry through organic, and mathematics through analytic geometry.

Requirements for the Degree

College requirements: All students are required to fulfill the general requirements of the Graduate College, including residence, languages, preliminary and final examinations, and the thesis.

Individual programs: A student who elects to major in a particular area of biology and who satisfies the admission requirements in that area will pursue a program of graduate study planned in consultation with his major professor and subject to the approval of the area committee.

Administration of the Program

Major programs in specific areas must be approved by the Executive Committee of the School of Life Sciences, which consists of the Director and the heads or chairmen of the departments. No major program shall be approved until it has been discussed with the departments concerned in that particular area.

Responsibility for the supervision of programs in a major area will rest with an area committee. This committee will consist of an appropriate number of staff members appointed by the Director of the School.

Qualified students may elect as major adviser any staff member participating in the major curriculum. Doctoral committees are recommended by the chairman of an area committee and transmitted through the Director's Office to the Dean of the Graduate College.

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1 George T. Frampton, Professor of Law, Chairman; Bernard J. Diggs, Professor of Philosophy; Max H. Fisch, Professor of Philosophy and Associate Member of the Center for Advanced Study; Norman Kretzmann, Assistant Professor of Philosophy; and Frederick L. Will, Professor and Chairman of the Department of Philosophy.
Catalog Entry

A student may receive a degree of Doctor of Philosophy in Biology with a major in one of the approved areas of specialization.

Applicants for admission must have a minimum grade-point average of 3.75 for their last sixty hours of work and must meet the admission requirements of the approved area of specialization; in addition, they should have some general training in botany, microbiology, and zoology, with at least a year of college physics, chemistry through organic, and mathematics through analytic geometry.

Individual programs are planned in consultation with the faculty adviser and are subject to approval by an area committee. Thesis research may be carried out with the direction of any of the participating staff members under the appropriate departmental research course listings. Students in the program are eligible for assistantships and fellowships in the appropriate department of their major adviser.

Inquiries concerning the program should be sent to the Director of the School of Life Sciences, 131 Burrill Hall.

The Board of Trustees has previously approved a recommendation from the Senate for a graduate program leading to the degree of Master of Science in the Biological Sciences.

Submitted herewith is a supporting statement concerning the proposal for the new degree, a copy of which is filed with the Secretary of the Board for record.

I concur in the recommendation of the Senate for the new program leading to the Doctor of Philosophy degree, subject to further action by the Board of Higher Education; and I further recommend that the title of the master's degree be changed to Master of Science in Biology to be consistent with the title of the Doctor of Philosophy degree.

On motion of Mr. Williamson, this recommendation was approved.

UNDERGRADUATE CURRICULUM IN LANDSCAPE ARCHITECTURE

(7) On recommendation of the Department of City Planning and Landscape Architecture and the College of Fine and Applied Arts, the Urbana-Champaign Senate has approved certain revisions in the undergraduate curriculum in landscape architecture which do not require approval by the Board of Trustees, but included is a recommendation that the name of the degree be changed from Bachelor of Fine Arts in Landscape Architecture to Bachelor of Landscape Architecture. The master's degree will be changed to Master of Landscape Architecture.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

Urbana-Champaign
1. Physical Plant Department
   Moving and air conditioning of houses at 606 and 606½ South Mathews Avenue to 1205 West Nevada Street, to clear land required as a part of the site for construction of a new chemistry laboratory building .................................................. $23,434.00
   Department of City Planning and Landscape Architecture, remodeling two rooms in Mumford Hall for additional office space........ 3,585.00

   Total .................................................................................................................. $33,519.00

   I concur.

   On motion of Mr. Johnston, these appropriations were made by the
following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

PURCHASE OF LLOYD F. NICKELL LIBRARY
(9) The Dean of Library Administration recommends the purchase of the library of the late Dr. Lloyd F. Nickell of Champaign at a price of $45,000.

The library is a collection of eighteenth-century English literature which he assembled over a period of years while living in England. Dr. Nickell, who died about a year ago, was an alumnus of the University of Illinois Class of 1909. A supporting statement from the Dean of Library Administration is submitted herewith and a copy is filed with the Secretary of the Board.

The Library will assign $15,000 from its funds budgeted for acquisitions for 1963-64 and an assignment of $30,000 from Indirect Costs—General funds is requested to provide the balance needed.

I recommend approval.

On motion of Mrs. Watkins, this purchase was authorized and the requested assignment of funds was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

CONTRACT FOR PLUMBING FOR UNDERGROUND STEAM TUNNEL TO MATERIALS RESEARCH LABORATORY
(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $10,170, to the Burdick Plumbing and Heating Company, Inc., Decatur, Illinois, for plumbing installations in the underground steam tunnel extension to the Materials Research Laboratory.

Funds are available in the state capital appropriations for 1961-63 from the Universities Building Fund and have been reappropriated for 1963-65.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

CONTRACT FOR CAMPUS BUS SERVICE
(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Champaign-Urbana City Lines, Inc., for a campus bus service for students and staff along the lines of the bus service operated under a University contract last year. Specific recommendations are that:

Authority be granted to continue the Illi-Bus operation starting September 10, 1963, until November 30, 1963.

The five-cent fare per passenger be continued except that those students living in Orchard Downs will be issued passes to ride free from the Downs to any point on the route; however, the passes will be honored only for a return trip to the Downs from the corner of Nevada Street and Goodwin Avenue, or at any regular bus stop between that corner and Orchard Downs.

The Illi-Bus service be utilized to provide transportation for faculty and staff registering vehicles in accordance with the new University parking regulations to become effective September 1, 1963.

The University be authorized to enter into an agreement with the Champaign-Urbana City Lines, Inc., for the period beginning September 10, 1963, and ending November 30, 1963, based on a rate of $5.15 per bus hour of operation (this includes use of the equipment and employment of necessary personnel to provide the desired bus service, and sufficient insurance to protect both the company and the University against liability for personal injuries or property damages arising out of the operation of this service).
The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

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<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
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<tbody>
<tr>
<td>WILLIAM PAUL AUSMAN</td>
<td>Lawrenceville, Illinois</td>
<td>Alabama</td>
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<tr>
<td>MERLIN MURRAY BAILEY</td>
<td>Indianapolis, Indiana</td>
<td>Indiana</td>
</tr>
<tr>
<td>WALTER P. BOYD</td>
<td>Phoenix, Arizona</td>
<td>Arizona</td>
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<tr>
<td>CHARLES VINCENT DOHERTY</td>
<td>Chicago, Illinois</td>
<td>Pennsylvania</td>
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<tr>
<td>EARL WILLIAM DRUEHL</td>
<td>Davenport, Iowa</td>
<td>Iowa</td>
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<tr>
<td>ROBERT EARLE HEARNES</td>
<td>Charleston, Missouri</td>
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<td>GEORGE FREDERICK HELLER</td>
<td>Wilmette, Illinois</td>
<td>Indiana</td>
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<tr>
<td>PAUL ALLEN HENDRIX</td>
<td>Cape Girardeau, Missouri</td>
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<tr>
<td>JOHN ADOLPH NESBIT</td>
<td>Belleville, Illinois</td>
<td>Missouri</td>
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<tr>
<td>BOB R. KITCHART</td>
<td>Indianapolis, Indiana</td>
<td>Indiana</td>
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<tr>
<td>DONALD MAURICE UREEL</td>
<td>Western Springs, Illinois</td>
<td>Michigan</td>
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I concur.

On motion of Mr. Swain, these certificates were awarded.

**ADVISORY COMMITTEE FOR THE DIVISION OF UNIVERSITY EXTENSION**

(2) The Dean of the Division of University Extension recommends the following appointments to the Division of University Extension Advisory Committee for two years beginning September 1, 1963.

**Representatives of the University**

- PROFESSOR VAN MILLER, College of Education
- PROFESSOR PHILLIP MONTYBERRY, Department of Political Science

These appointees replace Professor Harvey W. Huey, Head, Department of Marketing, and Professor George W. White, Head, Department of Geology, whose terms have expired.

Other representatives of the University on the Committee are: Professor Charles K. Brightbill, Head, Department of Recreation and Municipal Park Administration; Professor Warren F. Doiol, Jr., Department of Art; and Professor Kenneth J. Trigger, Department of Mechanical and Industrial Engineering.
RENEWAL OF LEASES AT NAVY PIER
FOR CHICAGO UNDERGRADUATE DIVISION

(13) The University's leases with the city of Chicago for portions of Navy Pier and the adjacent Drill Hall and parking facilities for the University of Illinois Chicago Undergraduate Division expired June 30, 1963. As a result of negotiations with city officials it has been determined that the University may again renew the leases on the same terms on which the leases were renewed in 1960 and subsequently amended, except for the following changes which have been agreed to by the City:

a. All provisions of the lease for the facilities used by the University on Navy Pier, excluding the provision for parking facilities in the vicinity of the Drill Hall, will be extended to January 1, 1965, with the University having the option to renew the lease on a month-to-month basis thereafter for a period of six months. The rental will be $161,340 per year, a reduction of $5,760 to cover the deletion of parking facilities to be transferred to the Drill Hall lease.

b. All provisions of the lease for the Drill Hall will be extended to June 30, 1965, with the University having the option to extend this lease thereafter for three successive periods of one year each. Said lease will be amended to include the parking facilities in the vicinity of the Drill Hall being deleted from the Navy Pier lease. The rental will be $31,000.08 per year, an increase of $5,760 to cover the use of the parking facilities not previously a part of this lease.

The University's planning for the construction of the Congress Circle Campus anticipates beneficial occupancy by February 1, 1965, with completion in the spring.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize the Secretary of the Board and the Vice-President and Comptroller to execute renewals of the leases for the Navy Pier facilities on the terms set forth above.

I concur.

On motion of Mr. Swain, these leases were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

HOUSING AND HOME FINANCE AGENCY LOAN FOR CONSTRUCTION OF SINGLE GRADUATE RESIDENCE HALL

(14) The Vice-President and Comptroller and the Director of the Physical Plant recommend authorization of:

- An application to the Housing and Home Finance Agency for a loan not to exceed $2,500,000 for construction of a single graduate residence hall to be located at the northwest corner of Chalmers Street and Fifth Street, Champaign, with a capacity of approximately 465 students. The estimated cost is $2,650,000;

- A revenue bond issue of $2,650,000, with at least $150,000 to be sold publicly and the remainder (not more than $2,500,000) to be sold to the Housing and Home Finance Agency. Interest and principal on the revenue bonds will be provided from rental income;

- Employment of Chapman and Cutler, Chicago, as counsel for the bond issue; and

Advertisements for bids on the construction of the residence hall and for the sale of the bonds at times deemed most appropriate by the Vice-President and Comptroller.

I concur.

On motion of Mr. Swain, these recommendations were approved, and authority was given as requested by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.
ADDITION TO CONTRACT FOR CONSTRUCTION OF MEDICAL SCIENCES BUILDING

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $13,066.51 in the contract with Oman and Giden, Inc., Northfield, for the construction of the Medical Sciences Addition to install thirty-five cup sinks and associated piping and twelve utility service enclosures in the third floor laboratories.

These items were required and shown on the preliminary drawings but were unintentionally omitted in the preparation of the contract drawings. The architects state that the amount requested for the work involved is reasonable.

Funds for this work are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Pogue, this change in contract was authorized.

ADDITION TO CONTRACT FOR CONSTRUCTION OF ORCHARD DOWNS, FIRST ADDITION

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $13,460 in the contract with Shapland Construction Company, Champaign, Illinois, for additional paving for three bicycle storage areas and paving adjacent to the entrances at the fourteen buildings in the First Addition to Orchard Downs.

Funds are available in the construction budget.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

CONTINUATION OF ATOMIC ENERGY COMMISSION CONTRACT FOR RESEARCH IN ELEMENTARY PARTICLE PHYSICS

(17) In June, 1962, the University entered into a contract with the Atomic Energy Commission to carry out research in elementary particle physics. Funds in the amount of $871,000 have been provided to reimburse the University for all direct and indirect costs incurred during the period June 1, 1962, through September 30, 1963.

A proposal has been prepared requesting $1,415,403 to support and expand this research project for a twelve-month period beginning October 1, 1963. Because of the substantial increase in the funds requested from the Atomic Energy Commission, the proposal must also be submitted to the Board of Higher Education for approval. The proposal has been approved by the Director of the Engineering Experiment Station, the Secretary of the University Research Board, and the Vice-President and Comptroller.

I recommend authorization of the application, subject to further action by the Board of Higher Education.

On motion of Mr. Swain, this recommendation was approved, and authority was given as requested.

PURCHASES

Purchases Authorized

(18) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.
### Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furnishing of labor, material, equipment, and supervision to move two houses from 606 and 606 1/2 South Mathews Avenue, Urbana, to 1205 West Nevada Street, Urbana</td>
<td>Physical Plant</td>
<td>Belding Engineering Co., West Chicago</td>
<td>$12,340.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One recorder, two-channel ink-writing recording system with a sensitivity of 10 millivolts per millimeter; one strain gage preamplifier for use with the above recorder, and accessories for both instruments</td>
<td>Agency for International Development (India)</td>
<td>Brush Instruments, Division of Clevite Corp., Cleveland, Ohio</td>
<td>$2,783.00 f.o.b. New York</td>
</tr>
<tr>
<td>Print 11,385 housing revenue, Illini Union, and Health Center bonds, $1,000.00 denominations with semi-annual coupons with machine signing services</td>
<td>Comptroller's Office</td>
<td>Northern Bank Note Co., Chicago</td>
<td>4,438.48 f.o.b. delivered</td>
</tr>
<tr>
<td>Soil-bearing test service for Congress Circle Union Building construction</td>
<td>Physical Plant, Chicago</td>
<td>Walter H. Flood &amp; Co., Chicago</td>
<td>5,000.00</td>
</tr>
<tr>
<td>Asphalt primer, type m.c.0. p-a-1 asphalt, E-3 road oil, limestone aggregate and sealer, for use by the Physical Plant in the 1963 street rescaling program on the Urbana campus</td>
<td>Physical Plant</td>
<td>Tomac, Inc., Danville</td>
<td>7,519.00 f.o.b. delivered</td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were approved.

### Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

### Purchases from Appropriated Funds

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<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewal of agreement for general purpose computer system now installed at the Undergraduate Division for period of August 15, 1963, through June 30, 1964</td>
<td>Computer Program, Library, Undergraduate Division</td>
<td>International Business Machines Corp., Chicago</td>
<td>$20,748.00</td>
</tr>
<tr>
<td>One lot of laboratory supplies including assorted glassware, filter paper, rubber stoppers, and chemicals; one-year supply</td>
<td>Pharmacy, Chicago</td>
<td>Chicago Apparatus Co., Chicago</td>
<td>4,762.43 f.o.b. delivered</td>
</tr>
<tr>
<td>One lot of lounge furniture, consisting of 76 chairs, three chaise lounges, one ottoman, thirteen tables, and 120 seaters</td>
<td>Physical Plant, Medical Center</td>
<td>S. Buckman Furniture &amp; Supply Co., Spring Valley</td>
<td>8,761.39 delivered</td>
</tr>
<tr>
<td>One controlled environmental room, of modular construction, fiberglass insulated, Rewired and complete with refrigeration system having water cooled compressor; room will be used for preparation of biological material which requires lower than room temperatures</td>
<td>Animal Science</td>
<td>Hotpack Corp., Chicago</td>
<td>9,312.50 f.o.b. delivered</td>
</tr>
<tr>
<td>180 hog gates, panel type, and accessory material to replace gates and fencing at the Swine Nutrition Farm</td>
<td>Animal Science</td>
<td>V.C.V. Farm Supply, Lebanon</td>
<td>7,044.75 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One truck, 1963 model, gross vehicle weight 23,000 pounds; V-8 engine; chassis only, less trade-in of one truck, 1951 model, model L-180 International with fold-down bed and hoist, mileage 120,000</td>
<td>Dixon Springs Station</td>
<td>International Harvester Co., Springfield</td>
<td>3,283.00 f.o.b. delivered</td>
</tr>
</tbody>
</table>
One duplicator, magnetic recording tape, half-track, 60 inches per second, four-channel, three-duplicates, frequency response 50 to 12,000 cycles

One metal-cutting machine, band type, hydraulically operated feed table, to be used by Physical Plant Department machine shop for maintenance work and special metal work for other departments on Urbana campus

One sweeper, power, heavy duty, self-propelled with scrubbing attachment to be used by Physical Plant Department for cleaning shop areas and corridors of new Physical Plant Services Building

One radial drilling machine, complete with oversize table and power feed to be used by Physical Plant Department machine shop for maintenance work and special job work for other departments on the Urbana campus

One shear, power squaring with six foot extension squaring gauge to be used by the Physical Plant Department tin shop on heavy gauge steel and stainless steel on various jobs for departments on the Urbana campus

Services of engineer for inspection and supervision of overhaul of General Electric turbine-generators and other associated equipment at the Abbott Power Plant for the period August 1, 1963, through June 30, 1965

Eighty units wood book shelf units, size 12 in. deep by 36 in. wide by 82 in. high, each unit to be complete with back and finished end panels

Wood office furniture for faculty offices in new interior addition to the Armory:
Sixty-six L-desks consisting of 60 in. by 30 in. desk and 36 in. by 18 in. L return
One clerical L-desk consisting of 60 in. by 24 in. desk and 38 in. by 18 in. L return
One conference desk, double pedestal, 74 in. by 38 in.
One conference table, 72 in. by 34 in.

Wood office chairs, upholstered, for faculty offices in new interior addition to Armory:
Sixty-seven swivel chairs
Seventy-two side chairs, no arms
One secretarial posture chair

Lounge furniture for the new office quarters and classrooms in the interior addition to the Armory:
Group I
Forty settee-table combination units
Two sofas, upholstered
One chair, fully upholstered, with arms
Two tier corner tables, 34 in. by 34 in. top

Group II
Forty lounge chairs, upholstered

Purchases from Institutional Funds

Publications of Chicago Undergraduate Division weekly newspaper Chicago Illini for the academic years 1963-64 and 1964-65; consisting of 3,600-4,500 eight-page issues and 1,200-4,500 twelve-page issues

<table>
<thead>
<tr>
<th>Department</th>
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<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Laboratory</td>
<td>One duplicator, magnetic recording tape, half-track, 60 inches per second, four-channel, three-duplicates, frequency response 50 to 12,000 cycles</td>
<td>Rawdon Smith Associates, Inc., Washington, D.C.</td>
<td>$3,971.48 f.o.b. delivered</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>One metal-cutting machine, band type, hydraulically operated feed table, to be used by Physical Plant Department machine shop for maintenance work and special metal work for other departments on Urbana campus</td>
<td>Hoffman-Marquard Machinery Co., St. Louis, Mo.</td>
<td>6,038.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>One sweeper, power, heavy duty, self-propelled with scrubbing attachment to be used by Physical Plant Department for cleaning shop areas and corridors of new Physical Plant Services Building</td>
<td>G. H. Tennant Co., Chicago</td>
<td>5,014.69 f.o.b. delivered</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>One radial drilling machine, complete with oversize table and power feed to be used by Physical Plant Department machine shop for maintenance work and special job work for other departments on the Urbana campus</td>
<td>Miller Industrial Supply, Decatur</td>
<td>3,420.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>One shear, power squaring with six foot extension squaring gauge to be used by the Physical Plant Department tin shop on heavy gauge steel and stainless steel on various jobs for departments on the Urbana campus</td>
<td>Balko Tool &amp; Machine Co., Chicago</td>
<td>7,259.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>Services of engineer for inspection and supervision of overhaul of General Electric turbine-generators and other associated equipment at the Abbott Power Plant for the period August 1, 1963, through June 30, 1965</td>
<td>General Electric Co., St. Louis, Mo.</td>
<td>7,500.00</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>Eighty units wood book shelf units, size 12 in. deep by 36 in. wide by 82 in. high, each unit to be complete with back and finished end panels</td>
<td>Physical Plant</td>
<td>1,287.69 f.o.b. delivered</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>Wood office furniture for faculty offices in new interior addition to the Armory:</td>
<td>Physical Plant</td>
<td>6,562.50 f.o.b. delivered</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>Wood office chairs, upholstered, for faculty offices in new interior addition to Armory:</td>
<td>Physical Plant</td>
<td>3,365.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>Lounge furniture for the new office quarters and classrooms in the interior addition to the Armory:</td>
<td>Physical Plant</td>
<td>7,500.00</td>
</tr>
<tr>
<td>Physical Plant</td>
<td>Purchases from Institutional Funds</td>
<td>Physical Plant</td>
<td>6,287.09 f.o.b. delivered</td>
</tr>
</tbody>
</table>

Dean of Students, Chicago Undergraduate Division
Community Publications, Inc., Chicago

1,200-4,500 twelve-page issues
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
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<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One multi-channel photographic polygraph system and accessories</td>
<td>Surgery, College of Medicine, Chicago</td>
<td>Sanborn Co., Chicago</td>
<td>$10 633.00</td>
</tr>
<tr>
<td>One blood flowmeter and probe</td>
<td>Surgery, College of Medicine, Chicago</td>
<td>Medicin, Division of Quality Precision Products, Inc., Los Angeles, Calif.</td>
<td>3 095.00</td>
</tr>
<tr>
<td>Twelve project-o-charts</td>
<td>Ophthalmology, Chicago</td>
<td>New Era Optical Co., Chicago</td>
<td>3 956.20</td>
</tr>
<tr>
<td>Two vertometers</td>
<td>Physical Plant, Chicago</td>
<td>Levin Bros. Paper Corp., Chicago</td>
<td>4 371.00</td>
</tr>
<tr>
<td>40,000 paper trash bags</td>
<td>Physical Plant, Chicago</td>
<td>Ipco Hospital Supply Corp., Chicago</td>
<td>4 118.00</td>
</tr>
<tr>
<td>200 dozen muslin sheets, 72 in. by 108 in.</td>
<td>Agronomy</td>
<td>Shabbona Lumber &amp; Supply, Shabbona</td>
<td>4 357.38</td>
</tr>
<tr>
<td>Construct 14 ft. by 26 ft. addition to house at Northern Illinois Agronomy Research Center, DeKalb, to include foundation, and all electrical, heating, and insulation work to conform to design of original building; the addition will consist of two bedrooms with closets</td>
<td>Animal Science</td>
<td>Madison Silos, Division of Martin Marietta Corp., El Paso</td>
<td>3 390.00</td>
</tr>
<tr>
<td>Two silos, size 12 ft. by 35 ft., including foundation and concrete floor to be furnished and erected at Urbana</td>
<td>Institute of Aviation</td>
<td>Hughes Oil Co., Champaign</td>
<td>6 384.00</td>
</tr>
<tr>
<td>70,000 gallons (approximately) standard, commercial, low S fuel oil, to be furnished as required for heating the Terminal Building at University of Illinois-Willard Airport during the period July 1, 1963, through June 30, 1963</td>
<td>Botany</td>
<td>Better Built Machinery Corp., New York, N.Y.</td>
<td>4 650.00</td>
</tr>
<tr>
<td>One laboratory glassware washer, fully automatic with spindle headers which direct a high speed jet water stream into the glassware</td>
<td>Chemistry and Chemical Engineering</td>
<td>Perkin-Elmer Corp., La Grange</td>
<td>5 265.00</td>
</tr>
<tr>
<td>One spectrophotometer, automatic, double beam, ultraviolet, with ranges: UV 190-390MU and visible 350-750MU, auxiliary readout system, repetitive scanning accessory, and temperature controlled cell mount</td>
<td></td>
<td>Hughes Oil Co., Champaign</td>
<td>6 384.00</td>
</tr>
<tr>
<td>One integrating x-ray goniometer</td>
<td>Chemistry and Chemical Engineering</td>
<td>Picker X-Ray Corp., Chicago</td>
<td>3 172.00</td>
</tr>
<tr>
<td>One straumanis film cassette</td>
<td>Chemistry and Chemical Engineering</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>4 146.85</td>
</tr>
<tr>
<td>One clamp for multiple films</td>
<td>Coordinated Science Laboratory</td>
<td>Raytheon Co., Franklin Park</td>
<td>5 625.00</td>
</tr>
<tr>
<td>Print and bind 3,000 copies of Department of Chemistry and Chemical Engineering History 1951-51, approximately 144 pages per copy, trim size 8½ in. by 11 in.</td>
<td>Digital Computer Laboratory</td>
<td>American Pacmor, Inc., St. Louis, Mo.</td>
<td>2 804.40</td>
</tr>
<tr>
<td>Five storage tubes, recording, electrical readout, resolution 1,000 lines minimum, capable of repeating stored information</td>
<td>Digital Computer Laboratory</td>
<td>IBM Corp., Springfield</td>
<td>3 793.50</td>
</tr>
<tr>
<td>60,000 taper pins</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Six cables, coaxial, 20 wire, each 175 ft. long, to be used to complete a hookup of the IBM 7094 computer in the Digital Computer Laboratory with the film measuring projectors in use in physics research programs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scoring service for approximately 73,000 special answer sheets used in testing program of the Bureau of Educational Research</td>
<td>Office of Educational Testing</td>
<td>Measurement Research Center, Inc., Iowa City, Iowa</td>
<td>8 760.00</td>
</tr>
<tr>
<td>Installation of three-phase electrical power at Bondville Road Field Station of the Department of Electrical Engineering to include the following: Extension of three-phase service to the field station from a location approximately four miles north 75 KVA self-regulating transformers as required</td>
<td>Electrical Engineering</td>
<td>Illinois Power Co., Danville</td>
<td>10 923.00</td>
</tr>
<tr>
<td>25 KVA step-up bank at the proposed site</td>
<td></td>
<td></td>
<td>f.o.b. and delivered</td>
</tr>
<tr>
<td>25 KVA step-down at the present site</td>
<td></td>
<td></td>
<td>f.o.b. and delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
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</tr>
<tr>
<td>One lot laboratory equipment and apparatus including twenty-four balances, twelve transformers, seven cases plastic bottles, and 432 pieces of assorted plastic laboratory apparatus; estimated to be a three-month supply</td>
<td>General Chemical Stores</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$7,800.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One recording microphotometer for the determination of optical density of photographic plates, to be used in a research project in the Department of Physics under a contract with the Atomic Energy Commission</td>
<td>Physics</td>
<td>National Spectrographic Laboratories, Inc., Cleveland, Ohio</td>
<td>$8,225.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One testing machine, universal tension and compression for the study of anharmonic defects in crystals</td>
<td>Physics</td>
<td>Labquip Corp., Chicago</td>
<td>$8,100.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Thirty-six electronics laboratory tables, 72 in. by 36 in. by 38 in. high, wood, with 12 in. deep shelf above top and full depth shelf below</td>
<td>Physics</td>
<td>Walrus Manufacturing Co., Decatur</td>
<td>$5,799.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Twelve general physics laboratory tables, 72 in. by 36 in. by 38 in. high, wood, no shelves</td>
<td>Physics</td>
<td>Minneapolis-Honeywell Regulator Co., Harvey</td>
<td>$5,300.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One potentiometer, six-dial, microvolt, ranges 0 to 111,111.0 in steps of 0.1 microvolt, and 0-11,111.10 in steps of 0.01 microvolt; One galvanometer, photoelectric, thermal emf 0.003 microvolt or less</td>
<td>Physics</td>
<td>Volk Radiochemical Corp., Skokie</td>
<td>$7,724.60 f.o.b. delivered</td>
</tr>
<tr>
<td>Film badge service for the period July 1, 1963, through June 30, 1963, for determination of exposure to radioactive materials, to all personnel so involved, under the direction and authority of the University Health Physicist as follows: 200 beta-gamma film badges every two weeks; 20 beta-gamma film badges every week for nine months (September 15-June 15); 5 beta-gamma finger (ring) badges every two weeks; 55 neutron-beta-gamma film badges every two weeks</td>
<td></td>
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</tr>
<tr>
<td>One analyzer, single channel, one seven-decade electrometer and power supplies, comprising a solid state modular nuclear counting system for use in the teaching laboratory in Stage II of the new Physics Building</td>
<td>Physics</td>
<td>Radiation Instrument Laboratory, Melrose Park</td>
<td>$3,960.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One recording system, ink-rectilinear, four-channel, wired for eight-channel, complete with power supplies, amplifiers, link system, and couplers</td>
<td>Physiology and Biophysics</td>
<td>Offner Division of Beckman Instruments, Inc., c/o Pivan Engineering Co., Chicago</td>
<td>$6,270.00 f.o.b. Schiller Park</td>
</tr>
<tr>
<td>One centrifuge with eight positions, portable, refrigerated, including trun- nation carrier, metal shield and conical head, to be used in research projects in the Department of Physiology and Biophysics</td>
<td>Physiology and Biophysics</td>
<td>Aloe Scientific Division of Brunswick Corp., St. Louis, Mo.</td>
<td>$2,560.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One recording assembly, Ink rectilinear, six-channel, wired for eight, high gain, including all required power supplies, amplifiers, pens, ink system, racks and enclosures, and couplers, and one year's maintenance, including installation</td>
<td>Psychology</td>
<td>Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$8,335.75 f.o.b. delivered</td>
</tr>
<tr>
<td>Storage building, 20 ft. by 50 ft., to be constructed at the Veterinary Research Farm, South Race Street, Urbana, complete with concrete foundation and floor, lumber rigid frame design, plywood exterior, eight windows and two overhead doors</td>
<td>Veterinary Medicine</td>
<td>Alexander Lumber Co., Champaign</td>
<td>$2,874.93 f.o.b. delivered and erected</td>
</tr>
<tr>
<td>1,400 pairs shoes, dress, low quarter, black, Air Force regulation</td>
<td>Purchasing and Military Property Custodian</td>
<td>Clothing Sales Store, Chanute Air Force Base, Illinois</td>
<td>$9,231.60 f.o.b. Chanute Air Force Base</td>
</tr>
<tr>
<td>Item</td>
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<td>Vendor</td>
<td>Cost</td>
</tr>
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</tr>
<tr>
<td>Print and bind 2,500 copies of <em>British Politics in the Suez Crisis</em>, by Leon Epstein, approximately 224 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Rogers Printing Co., Chicago</td>
<td>$3,540 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 2,500 copies of <em>High School Mathematics</em>, Units 1-4, Teachers' Edition, approximately 757 pages per copy, printed on one side only, trim size 8 1/4 in. by 11 in.</td>
<td>University Press</td>
<td>Edwards Brothers, Inc., Ann Arbor, Mich.</td>
<td>8,277 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 12,000 copies of <em>High School Mathematics</em>, Unit 6, Students' Edition, approximately 488 pages per copy, trim size 8 1/4 in. by 11 in.</td>
<td>University Press</td>
<td>George Banta Co., Chicago</td>
<td>8,329 97 f.o.b. Menasha, Wis.</td>
</tr>
<tr>
<td>Print and bind 10,000 copies of <em>High School Mathematics</em>, Unit 7, Students' Edition, approximately 188 pages per copy, trim size 8 1/4 in. by 11 in.</td>
<td>University Press</td>
<td>George Banta Co., Chicago</td>
<td>3,498 00 f.o.b. Menasha, Wis.</td>
</tr>
<tr>
<td>Print and bind 11,000 copies of <em>High School Mathematics</em>, Unit 8, Students' Edition, approximately 258 pages per copy, trim size 8 1/4 in. by 11 in.</td>
<td>University Press</td>
<td>George Banta Co., Chicago</td>
<td>5,651 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 5,000 copies of <em>High School Mathematics</em>, Unit 9, Students' Edition, approximately 388 pages per copy, trim size 8 1/4 in. by 11 in.</td>
<td>University Press</td>
<td>George Banta Co., Chicago</td>
<td>3,427 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Forty-six films, movie, 16 mm., miscellaneous, color and black and white, less return of old editions and damaged prints</td>
<td>Visual Aids Service</td>
<td>Encyclopaedia Britannica Films, Inc., Wilmette</td>
<td>3,780 00 f.o.b. Wilmette</td>
</tr>
<tr>
<td>Ninety-six films, 16 mm., miscellaneous, color and black and white, less ninety-six old editions and damaged prints returned</td>
<td>Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>6,777 20 f.o.b. delivered</td>
</tr>
<tr>
<td>Motion picture production equipment including camera, shutter, galvanometer and optical system, sound track recording amplifier, lamps, wind screen, cables and connectors, film magazines, carrying trunks, zoom lens, microphones, changing bag, tripods, screen, cables and connectors, film tape, sound reader, and portable auto power supply unit</td>
<td>Agricultural Administration, Extension</td>
<td>Behrend's, Inc., Chicago</td>
<td>3,903 08 f.o.b. delivered</td>
</tr>
<tr>
<td>One floor machine, self-propelled, to be used for cleaning of concrete concourse of Assembly Hall as well as walkways, aisles of the arena, and the arena floor</td>
<td>Assembly Hall</td>
<td>Bush Brothers, Inc., Champaign</td>
<td>4,018 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Two each spotlights, carbon arc, complete with lamp housing, lens mechanism, and base, capable of projecting light with a color temperature of 5700° Kelvin and a luminosity of 13,000 lumens, to be operated from the perimeter of the Assembly Hall and when high intensity, small diameter spots of light are required on performance in the center area of the hall</td>
<td>Assembly Hall</td>
<td>Grand Stage Lighting Co., Chicago</td>
<td>3,580 00 f.o.b. Toledo, Ohio</td>
</tr>
<tr>
<td>300 dozen bowls, salad, 7 3/4 in. in diameter, 2 in. deep, approximate weight 12 pounds per dozen, for general use in the Housing Division food centers</td>
<td>Housing Division</td>
<td>E. A. Hinrichs &amp; Co., Chicago</td>
<td>2,613 00 delivered</td>
</tr>
<tr>
<td>Fifteen planting boxes, special</td>
<td>Housing Division</td>
<td>Brewer Woodwork, Urbana</td>
<td>5,550 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Doors, folding, woven of Northern bass wood slats as follows: 252 pairs for openings 9 ft. 4 in. by 7 ft. 7 in., 126 pairs for openings 8 ft. 8 in. by 7 ft. 7 in.</td>
<td>Housing Division</td>
<td>Harlan E. Moore &amp; Co., Champaign</td>
<td>10,502 10 f.o.b. delivered</td>
</tr>
<tr>
<td>Six rugs, all wool, Chinese fret design, colors to be selected, as follows: three 8 ft. by 18 ft.; two 8 ft. by 29 ft.; one 8 ft. by 22 ft.</td>
<td>Illini Union</td>
<td>Sackets Furniture Store, Champaign</td>
<td>2,885 00 f.o.b. delivered</td>
</tr>
<tr>
<td>225 folding leg tables, 72 in. long by 32 in. wide by 29 in. high, with plastic laminate top, to be used in the new addition to the Illini Union</td>
<td>Illini Union</td>
<td>Rochelle's, Inc., Chicago</td>
<td>6,525 00 f.o.b. delivered</td>
</tr>
</tbody>
</table>
Three cash registers equipped to have the following required features: re- laking device, solenoid key operation, cork lined cabinet, locked up group totals, tear off receipt, visible detail strip showing last ten transactions, seven accumulating totals, 999,99 keyboard, receipt and detail strip, automatic change feature with dis- penser and grand total to be controlled by separate key.

248 storage cabinets, 18 in. deep
Thirty storage cabinets, 24 in. deep
Six wardrobe cabinets, 18 in. deep
Nine wardrobe cabinets, 24 in. deep
Approximately 200 tons 50 per cent sodium hydroxide commercial grade, 66° electrolite grade
The above quantities are an estimated two-year supply and orders will be placed during this period in amounts as required for water treatment operation at the Abbott Power Plant.

Automotive and industrial lubricants as required by the Physical Plant

6,600 pounds grass seed for use in seeding new lawns during the fall of 1963.

6,000 diodes, type TI-235

235 mattresses, innerspring 4/6, full size
235 box springs to fit above mattresses

Eighty-four sets bowling pins, plastic coated, ABC approved, to be used in Illini Union bowling lanes; guaranteed

Steel office chairs as follows:
341 swivel arm chairs, upholstered
Sixty swivel chairs, no arms, upholstered
246 side arm chairs, upholstered
444 side chairs, no arms, upholstered
272 typist posture swivel chairs, upholstered

40,000 sheets Verifax Matrix
Ninety-six cartons Verifax activator

Four film inspection machines, 15 mm., double unit, stacked, variable speed, capacity of 400 to 2,000 feet per each 16 mm. film reel

(Note: This purchase will be made from both Appropriated Funds, $9,261.00, and Institutional Funds, $9,261.00, for a total of $18,522.00.)

240 parking meters, sealed, single-cylinder type collection system, to be furnished and installed in various parking areas about the Urbana campus, with an option to purchase, as required, an additional quantity up to 300 during the period ending June 30, 1964.

On motion of Mr. Johnston, these purchases were authorized.

COMPTROLLER’S REPORT OF CONTRACTS

(19) The Comptroller’s report of contracts executed during the period July 1 to 31, 1963.

With Whom Purpose Amount to be Paid to the University Effective Date
National Sand and Gravel Association Site development problems related to sand and gravel pit operations $ 6,000.00 September 1, 1963
## BOARD OF TRUSTEES

### Purpose

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Air Force AF-AFOSR-400-63</td>
<td>Theory of functions of a complex variable</td>
<td>$25,263.08</td>
<td>June 1, 1963</td>
</tr>
<tr>
<td>United States Air Force AF 29(601)-6101</td>
<td>Fabrication and installation of 4-ft. diameter dynamic gas loading facility</td>
<td>$205,000.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>United States Army DA-11-032-CIVENG-63-56</td>
<td>Course of instruction in water resources planning</td>
<td>$60,341.00</td>
<td>June 17, 1963</td>
</tr>
<tr>
<td>United States Army DA-18-108-AMC-108-A (sub-contract with FMC Corp.)</td>
<td>Compounds to be synthesized and/or evaluated and biological evaluation techniques</td>
<td>$27,500.00</td>
<td>March 20, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1302</td>
<td>Wholesomeness evaluation of radiation sterilized food products</td>
<td>$143,933.00</td>
<td>June 1, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(29-1)-789 (sub-contract with Sandia Corp.)</td>
<td>Determine the coefficient of friction for pairs of 17-4 ph stainless steel, 20 degrees involute spur gears of 96 pitch, 96 teeth in each gear</td>
<td>$37,027.00</td>
<td>May 15, 1963</td>
</tr>
<tr>
<td>United States Department of Agriculture 12-04-100-28</td>
<td>Appraise farmers' group or pool buying of feed ingredients in selected localities in Illinois</td>
<td>$4,150.00</td>
<td>June 27, 1963</td>
</tr>
<tr>
<td>United States Department of Agriculture 12-14-100-7150(72)</td>
<td>Chemical investigations of cyclopropenoids to develop means of eliminating or physiologically inactivating the cyclopropenoids in cottonseed products</td>
<td>$45,737.00</td>
<td>June 26, 1963</td>
</tr>
<tr>
<td>United States Department of Health Education, and Welfare OE-3-16-028</td>
<td>Survey of the development and use of television recorded materials, films, and other simulated materials for application to teacher education in extending professional laboratory experiences</td>
<td>$9,095.00</td>
<td>June 25, 1963</td>
</tr>
<tr>
<td>United States Department of Health Education, and Welfare PII-86-63-144</td>
<td>Conduct a demonstration program for the early detection of oral malignancies</td>
<td>$30,000.00</td>
<td>May 1, 1963</td>
</tr>
<tr>
<td>United States Federal Housing Administration HA (.....-jh-872)</td>
<td>Factors that influence the quality of site design of multifamily housing projects and investigation of single-family housing</td>
<td>$21,850.00</td>
<td>June 19, 1963</td>
</tr>
<tr>
<td>United States Office of Civil Defense OCD-OS-63-66</td>
<td>Gamma ray penetration of various structural geometries</td>
<td>$66,527.00</td>
<td>June 7, 1963</td>
</tr>
<tr>
<td>United States Office of Civil Defense OCD-OS-63-128</td>
<td>Conduct civil defense training and conferences and courses through extension</td>
<td>$57,390.00</td>
<td>June 12, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr(G)-00062-63</td>
<td>Acquisition of a Bendix LP-12 printer</td>
<td>$14,900.00</td>
<td>June 19, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$754,713.08</td>
<td></td>
</tr>
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</table>

### Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Business Machines Corp.</td>
<td>One keypunch</td>
<td>$604.80</td>
<td>June 5, 1963</td>
</tr>
<tr>
<td>LaSalle-Madison Hotel Co. (Renewal)</td>
<td>Rental of east portion, twentieth floor, LaSalle Hotel, Chicago, from July 1, 1963, to June 30, 1965, for use by Illini Center</td>
<td>$21,600.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>(Renewal)</td>
<td>Rental of room 212, 338 Missouri Avenue, East St. Louis, from July 1, 1963, to June 30, 1965, for use by Extension Division</td>
<td>$1,020.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>(Renewal)</td>
<td>Rental of suite 301-03, 188 Randolph Tower, Chicago, from July 1, 1963, to June 30, 1965, for use by Agricultural Extension Division</td>
<td>$9,000.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>(Renewal)</td>
<td>Rental of property at 400 South Grand Avenue, West, Springfield, from July 1, 1963, to June 30, 1965, for use by Extension Division</td>
<td>$1,440.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$83,664.80</td>
<td></td>
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</table>
UNIVERSITY OF ILLINOIS

Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isotopes, Inc.</td>
<td>Study of rainout of radioactivity in Illinois</td>
<td>$27,930.00</td>
<td>June 14, 1963</td>
</tr>
<tr>
<td>(sub-contract under Atomic Energy Commission (11-1)-1199)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Texas Technological College (sub-contract under United States Navy Contract No. 1834(02))</td>
<td>Development of radio wave direction-finding techniques</td>
<td>13,152.00</td>
<td>May 27, 1963</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$41,082.00</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Cyanamid</td>
<td>Insecticides for control of insects on wheat</td>
<td>3,150.00</td>
<td>June 3, 1963</td>
</tr>
<tr>
<td>Co.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.</td>
<td>Safety with high temperature water systems</td>
<td>6,300.00</td>
<td>June 20, 1963</td>
</tr>
<tr>
<td>American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.</td>
<td>Selection and application of air-measuring devices</td>
<td>7,400.00</td>
<td>June 20, 1963</td>
</tr>
<tr>
<td>American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.</td>
<td>Steam and condensate flow in pipes</td>
<td>8,200.00</td>
<td>June 20, 1963</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration NAG-242-62</td>
<td>Thermal contact resistance in a vacuum environment</td>
<td>30,010.00</td>
<td>June 1, 1963</td>
</tr>
<tr>
<td>National Lime Association</td>
<td>Extend the use of lime minerals into new fields and continue research in lime stabilization of soils</td>
<td>21,762.50</td>
<td>July 10, 1963</td>
</tr>
<tr>
<td>State of Illinois</td>
<td>Fisheries research</td>
<td>32,500.00</td>
<td>June 11, 1963</td>
</tr>
<tr>
<td>Department of Conservation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State of Illinois</td>
<td>Wildlife studies</td>
<td>100,439.00</td>
<td>June 24, 1963</td>
</tr>
<tr>
<td>Department of Conservation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Air Force AF 41(609)-1481</td>
<td>Determinants of monitoring behavior in complex tasks</td>
<td>20,500.00</td>
<td>May 1, 1963</td>
</tr>
<tr>
<td>United States Army DA-ARO(D)-31-124-5366</td>
<td>Influence of ionic aggregation on rates and products of several reactions</td>
<td>7,687.20</td>
<td>June 12, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1)-415</td>
<td>Unclassified research on electronic high-speed digital computers</td>
<td>50,000.00</td>
<td>June 15, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1)-758</td>
<td>Basic research relating to atomic energy</td>
<td>23,181.00</td>
<td>June 15, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1)-791</td>
<td>Effect of X-ray irradiation on enzymatic activity and nucleic acid metabolism in seeds and seedlings of sea mays</td>
<td>25,000.00</td>
<td>June 10, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT (11-1)-891</td>
<td>Chemical reactions of energetic atoms produced by nuclear recoil or by heterogeneous flash photolysis</td>
<td>22,000.00</td>
<td>June 15, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-12-064</td>
<td>Counseling and guidance training institute</td>
<td>750.00</td>
<td>June 5, 1963</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$357,229.70</td>
<td></td>
</tr>
</tbody>
</table>

Adjustments Made in 1962-63 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry F. Fisher</td>
<td>Six items: $25.00 to $600.00</td>
<td>$1,792</td>
<td>June 63</td>
</tr>
<tr>
<td>(Plastering)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Summary

Amount to be paid to the University: $1,111,942.78
Amount to be paid by the University: $76,536.86

This report was received for record.
REPORT OF THE FINANCE COMMITTEE ON THE TREASURER’S BOND

(20) The Finance Committee reports that it has received from Robert R. Manchester, Treasurer of the University, a bond in the amount of $6,000,000 with the Continental Casualty Company as surety.

The bond has been approved by the Legal Counsel of the University and by the Business Office. The Finance Committee has accepted the bond and reports its receipt for record.

On motion of Mr. Williamson, the action of the Committee was confirmed.

INVESTMENT REPORT

Report of the Finance Committee

(21) The Finance Committee reported the following changes in investments of endowment funds for the months of February, March, April, and May, 1963:

Endowment Pool

<table>
<thead>
<tr>
<th>Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 shares Ingersoll Rand common</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exchange</th>
</tr>
</thead>
<tbody>
<tr>
<td>$100,000 U. S. Treasury bonds 3 per cent</td>
</tr>
<tr>
<td>85,000 U. S. Treasury bonds 2 1/2</td>
</tr>
<tr>
<td>185,000 U. S. Treasury bonds 3 3/4</td>
</tr>
<tr>
<td>100,000 U. S. Treasury bonds 3</td>
</tr>
<tr>
<td>30,000 U. S. Treasury notes 3 1/2</td>
</tr>
<tr>
<td>130,000 U. S. Treasury bonds 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 shares Goodyear Tire and Rubber common</td>
</tr>
<tr>
<td>90/100 share Standard Oil Company of California common</td>
</tr>
<tr>
<td>$25,000 U. S. Treasury bonds 4 per cent</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ceramic Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 shares Avnet Electronics Corporation common</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dennis Children</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exchange</td>
</tr>
<tr>
<td>2,000 U. S. Treasury certificates 3 3/4 per cent</td>
</tr>
<tr>
<td>2,000 U. S. Treasury certificates 3 3/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Miller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sale</td>
</tr>
<tr>
<td>500 rights Consolidated Edison Company</td>
</tr>
<tr>
<td>30/100 share Standard Oil Company of California common</td>
</tr>
<tr>
<td>29/50 share International Paper common</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wallace</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exchange</td>
</tr>
<tr>
<td>6,500 U. S. Treasury bonds 2 1/2 per cent</td>
</tr>
<tr>
<td>6,500 U. S. Treasury bonds 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chicago—Pharmacy Scholarship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sale</td>
</tr>
<tr>
<td>10 shares Jewel Tea Company common</td>
</tr>
</tbody>
</table>

Report of the Comptroller

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

Current Funds

Restricted Group (June 20, 1962)

<table>
<thead>
<tr>
<th>Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000,000 U. S. Treasury certificates 3 1/2 per cent</td>
</tr>
<tr>
<td>500,000 U. S. Treasury certificates 3 3/4</td>
</tr>
</tbody>
</table>
### 1963]

#### UNIVERSITY OF ILLINOIS

<table>
<thead>
<tr>
<th>Exchange</th>
<th>U. S. Treasury certificates</th>
<th>2/15/63 for</th>
</tr>
</thead>
<tbody>
<tr>
<td>$500 000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>500 000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>U. S. Treasury bills</th>
<th>2/28/63</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1 500 000</td>
<td></td>
<td>$1 497 537 22</td>
</tr>
<tr>
<td>200 000</td>
<td></td>
<td>199 768 33</td>
</tr>
<tr>
<td>1 000 000</td>
<td></td>
<td>996 200 00</td>
</tr>
<tr>
<td>500 000</td>
<td>General Electric Credit Corporation</td>
<td>9/13/63</td>
</tr>
<tr>
<td>1 000 000</td>
<td>U. S. Treasury bills</td>
<td>5/2/63</td>
</tr>
<tr>
<td>1 000 000</td>
<td>U. S. Treasury bills</td>
<td>5/31/63</td>
</tr>
<tr>
<td>500 000</td>
<td>U. S. Treasury bills</td>
<td>6/20/63</td>
</tr>
<tr>
<td>500 000</td>
<td>Beneficial Finance Company</td>
<td>10/30/63</td>
</tr>
<tr>
<td>500 000</td>
<td>General Motors Acceptance Corp.</td>
<td>10/30/63</td>
</tr>
<tr>
<td>1 400 000</td>
<td>U. S. Treasury bills</td>
<td>8/1/63</td>
</tr>
</tbody>
</table>

#### Construction Funds

**Assembly Hall (June 23, 1959, and March 17, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>U. S. Treasury bills</th>
<th>3/14/63</th>
</tr>
</thead>
<tbody>
<tr>
<td>$515 000</td>
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<td>$514 161 87</td>
</tr>
<tr>
<td>265 000</td>
<td></td>
<td>263 753 54</td>
</tr>
<tr>
<td>537 000</td>
<td></td>
<td>534 391 97</td>
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<tr>
<td>450 000</td>
<td></td>
<td>448 012 00</td>
</tr>
<tr>
<td>400 000</td>
<td></td>
<td>398 138 22</td>
</tr>
<tr>
<td>60 000</td>
<td></td>
<td>59 642 30</td>
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**Illini Union and Health Center (December 21, 1960)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>U. S. Treasury bills</th>
<th>5/16/63</th>
</tr>
</thead>
<tbody>
<tr>
<td>$290 000</td>
<td></td>
<td>$287 890 25</td>
</tr>
<tr>
<td>100 000</td>
<td></td>
<td>99 287 50</td>
</tr>
<tr>
<td>135 000</td>
<td></td>
<td>134 056 00</td>
</tr>
<tr>
<td>300 000</td>
<td></td>
<td>297 928 83</td>
</tr>
<tr>
<td>55 000</td>
<td></td>
<td>54 544 80</td>
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</table>

**Illinois Street Residence Halls (October 17, 1962)**

<table>
<thead>
<tr>
<th>Sale</th>
<th>U. S. Treasury bills</th>
<th>2/14/63</th>
</tr>
</thead>
<tbody>
<tr>
<td>$10 000</td>
<td></td>
<td>$9 991 81</td>
</tr>
<tr>
<td>170 000</td>
<td>U. S. Treasury bills</td>
<td>5/16/63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>169 894 22</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>U. S. Treasury bills</th>
<th>9/12/63</th>
</tr>
</thead>
<tbody>
<tr>
<td>$248 000</td>
<td></td>
<td>$344 330 21</td>
</tr>
<tr>
<td>50 000</td>
<td>U. S. Treasury bills</td>
<td>9/19/63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>49 424 11</td>
</tr>
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</table>

**Orchard Downs and SG-2 (June 14, 1960)**

<table>
<thead>
<tr>
<th>Sale</th>
<th>U. S. Treasury bills</th>
<th>3/21/63</th>
</tr>
</thead>
<tbody>
<tr>
<td>$13 000</td>
<td></td>
<td>$12 954 66</td>
</tr>
<tr>
<td>1 000</td>
<td>U. S. Treasury bills</td>
<td>5/16/63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>998 21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>U. S. Treasury bills</th>
<th>4/18/63</th>
</tr>
</thead>
<tbody>
<tr>
<td>$120 000</td>
<td></td>
<td>$119 742 40</td>
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<tr>
<td>120 000</td>
<td>U. S. Treasury bills</td>
<td>5/16/63</td>
</tr>
<tr>
<td>139 000</td>
<td>U. S. Treasury bills</td>
<td>6/13/63</td>
</tr>
<tr>
<td>120 000</td>
<td>U. S. Treasury bills</td>
<td>7/15/63</td>
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<tr>
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<td>119 483 00</td>
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**Orchard Downs Addition (May 24, 1962)**

<table>
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<tr>
<th>Sale</th>
<th>U. S. Treasury notes 3% per cent</th>
<th>2/15/63</th>
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<td>$180 000</td>
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<td>$180 281 25</td>
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<td>300 000</td>
<td>U. S. Treasury notes 3%</td>
<td>5/16/63</td>
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<tr>
<td></td>
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<td>300 421 88</td>
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<table>
<thead>
<tr>
<th>Purchase</th>
<th>U. S. Treasury bills</th>
<th>2/14/63</th>
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</thead>
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<td>$179 000</td>
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<td>$178 860 78</td>
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<tr>
<td>134 000</td>
<td>U. S. Treasury bills</td>
<td>3/14/63</td>
</tr>
<tr>
<td>10 000</td>
<td>U. S. Treasury bills</td>
<td>4/15/63</td>
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<tr>
<td>75 000</td>
<td>U. S. Treasury bills</td>
<td>5/16/63</td>
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<td>146 000</td>
<td>U. S. Treasury bills</td>
<td>6/13/63</td>
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<tr>
<td>225 000</td>
<td>U. S. Treasury bills</td>
<td>7/18/63</td>
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<p>|          |                      | 223 641 50 |</p>
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<tr>
<th>Description</th>
<th>Date</th>
<th>Bills</th>
<th>Amount</th>
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<td>Peabody Drive (October 21, 1959)</td>
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<tr>
<td><strong>Purchase</strong></td>
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<td>6/24/63</td>
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<td><strong>Pennsylvania Avenue Residence Halls (June 21, 1961)</strong></td>
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<tr>
<td><strong>Sale</strong></td>
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<td>2/21/63</td>
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<tr>
<td><strong>Purchase</strong></td>
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<td>$130,000 U.S. Treasury bills</td>
<td>4/15/63</td>
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<tr>
<td><strong>Student Services (May 17, 1961)</strong></td>
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<tr>
<td><strong>Purchase</strong></td>
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<td>$70,000 U.S. Treasury bills</td>
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<td>14,951 88</td>
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<tr>
<td><strong>Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)</strong></td>
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<tr>
<td><strong>Purchase</strong></td>
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<tr>
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<td>7/18/63</td>
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<tr>
<td><strong>Sinking Funds</strong></td>
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<td><strong>Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)</strong></td>
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<tr>
<td><strong>Sale</strong></td>
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<td>8/15/63</td>
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<td><strong>Illini Union and Health Center (December 21, 1960)</strong></td>
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<tr>
<td><strong>Purchase</strong></td>
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<td><strong>Men's Residence Halls of 1956 (March 23 and September 18, 1956)</strong></td>
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<tr>
<td><strong>Purchase</strong></td>
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<td>$3,000 U.S. Treasury certificates</td>
<td>2/15/64</td>
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<td>13,967 57</td>
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<td><strong>Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)</strong></td>
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<tr>
<td><strong>Purchase</strong></td>
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<td>$217,491 33</td>
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<tr>
<td><strong>Student Services (May 17, 1961)</strong></td>
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<tr>
<td><strong>Purchase</strong></td>
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<tr>
<td>$26,000 U.S. Treasury bills</td>
<td>3/21/63</td>
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<td>8/22/63</td>
<td></td>
<td>10,854 26</td>
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<td><strong>Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)</strong></td>
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<tr>
<td><strong>Purchase</strong></td>
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<tr>
<td>$36,000 U.S. Treasury bills</td>
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<td>$5,000 U.S. Treasury notes</td>
<td>8/15/64</td>
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<td>5,050 00</td>
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<td><strong>Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)</strong></td>
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<td><strong>Exchange</strong></td>
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<td>2/15/66</td>
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<td>$197,000 U.S. Treasury bonds</td>
<td>2/15/80</td>
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</table>
Report of the Finance Committee

The Finance Committee reported the following changes in investments of endowment funds for the month of June, 1963:

Endowment Pool
Purchase
$  66 500 U. S. Treasury bonds 4 per cent  8/15/72 $  66 645 47

Cole Living Trust
Purchase
$_  2 000 State of California bonds 3 per cent 11/1/85 $  1 920 90

Garner
Purchase
90/100 share Dow Chemical Company common $  59 36

Goldstine
Purchase
7 shares Walgreen Company common $  307 13

Wallace
Purchase
$_  500 U. S. Treasury bonds 4 per cent 2/15/80 $  500 03

Report of the Comptroller

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

Current Funds
Restricted Group (June 20, 1962)
Purchase
$1 000 000 U. S. Treasury bills 6/27/63 $998 977 22
500 000 U. S. Treasury bills 8/15/63 497 418 75
400 000 Sears Roebuck Acceptance Corporation 12/11/63 393 250 00
500 000 Household Finance Corporation 12/30/63 491 468 75
500 000 Ford Motor Credit Corporation 12/30/63 491 468 75

Executive Development Center Building (June 20, 1962)
Purchase
$_  10 000 U. S. Treasury bonds 33/4 per cent 8/15/68 $  9 993 75

Construction Funds
Assembly Hall (June 23, 1959, and March 17, 1962)
Purchase
$_  390 000 U. S. Treasury bills 8/15/63 $388 114 46
189 000 U. S. Treasury bills 9/12/63 187 873 24

Illini Union and Health Center (December 21, 1960)
Purchase
$_  75 000 U. S. Treasury bills 9/12/63 $  74 461 69

Pennsylvania Avenue Residence Halls (June 21, 1961)
Purchase
$_  39 000 U. S. Treasury bills 9/19/63 $  38 706 72
Student Services (May 17, 1961)
Purchase
$ 50,000 U. S. Treasury bills 7/18/63 $ 49,877.29
30,000 U. S. Treasury bills 8/15/63 29,857.42

On motion of Mr. Swain, the actions of the Committee were confirmed.

DEANSHIP OF COLLEGE OF ENGINEERING.
CHICAGO UNDERGRADUATE DIVISION
(22) The Vice-President for the Chicago Undergraduate Division recommends the appointment of Dr. Robert B. Banks, presently Director of Research and Professor of Engineering at the Southeast Asia Treaty Organization Graduate School of Engineering, Bangkok, Thailand, as Professor of Fluid Mechanics on indefinite tenure and Dean of the College of Engineering for two years, beginning September 1, 1963, at an annual salary rate of $21,000, on a twelve-month service basis.

This appointment is within the new organizational framework of the University of Illinois at Congress Circle authorized by the Board of Trustees on January 18 and February 15, 1961. Associate Professor Rupert M. Price of the Department of Physics has been serving as Acting Dean and will continue to serve until September 1.

This recommendation was submitted after consultation with the Academic Advisory Council at the Chicago Undergraduate Division, and with the Dean and several department heads of the College of Engineering at Urbana-Champaign. It is concurred in by the Executive Vice-President and Provost and the Dean of the Graduate College.

On behalf of the President of the University, I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

UNIT VENTILATORS FOR CLASSROOM COMPLEX BUILDING
AT CONGRESS CIRCLE
Mr. Pogue, for the Committee on Buildings and Grounds, presented the following report:

At the meeting of the Board of Trustees on May 15, 1963, when contracts for construction of Congress Circle were being awarded, a representative of a manufacturer of unit ventilators inquired why an alternate bid on the heating, piping, refrigeration, and automatic temperature control installations in the construction of the Classroom Complex Building at Congress Circle was not accepted since the alternate provided for a reduction in price. It is a standard practice to include alternates in bid documents as a safeguard in case base bids are in excess of engineering estimates of cost of the preferred type of equipment and construction, and the University reserves the right to accept or reject the alternates. Since bids on construction of Congress Circle in all cases were well within estimates, it was not necessary to select alternates on the basis of cost savings alone.

Officials of the company whose representative had raised the question requested a hearing. The Committee on Buildings and Grounds held a hearing on July 1, 1963, attended by representatives of the manufacturers concerned and Skidmore, Owings, and Merrill, Architects and Engineers, all of whom addressed the meeting. Examples of the unit ventilators were available for inspection.

After giving due consideration to the presentations made at this hearing, the Committee concluded that, due to the special conditions and requirements of the Classroom Complex Building, no changes should be made in the contract with respect to unit ventilators as awarded by the Board of Trustees on May 15, 1963.

On motion of Mr. Johnston, this report was accepted by the Board, without dissent.

LETTER FROM THE PRESIDENT OF THE UNITED STATES
President Clement presented a letter he received from President John F. Kennedy concerning the civil rights problem faced by this Nation —
and with special reference to equal educational opportunities and equal opportunities for employment—with the request that the letter be discussed with Mr. Clement's colleagues on the Board. Copies of President Kennedy's letter and of Mr. Clement's reply had been sent to all Trustees in advance of today's meeting, and copies have been filed with the Secretary of the Board.

The subject of the letter was discussed and University policies relating thereto were discussed.

**HULL HOUSE RESTORATION**

President Clement announced that Major Lenox R. Lohr, President of the Museum of Science and Industry and Chairman of the University of Illinois Citizens Committee, has accepted the post of General Chairman of the Jane Addams Memorial Fund of the University of Illinois campaign for the restoration of Hull House. Mr. C. E. Flynn reported informally on the status of the fund-raising campaign.

**MEDICAL CENTER UNION**

Dr. Joseph S. Begando made an informal report on the status of the campaign for funds for the Medical Center Union Building. He announced that Mr. Donald R. Grimes of the Class of 1928, and President of the Independent Grocers Alliance, has accepted the post of Chairman of the Committee to raise funds for this building.

**FUTURE BOARD MEETINGS**

President Clement announced that the next regular meeting will be held on Wednesday, September 18, 1963, in Urbana, at a place and according to a schedule to be arranged by him and the Secretary of the Board.

On motion of Mr. Williamson, the Board voted to change the date of the regular October meeting from the third Wednesday to Saturday, October 26, 1963, to be held in Urbana.

Consideration was also given to changing the date of the regular November meeting from the third Wednesday. It was the consensus of the Trustees that Tuesday, November 26, 1963, be tentatively reserved for that meeting, subject to a final decision later.

**SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, cancellations, declinations, and termination; leaves of absence; changes in sabbatical leaves of absence; cancellation of sabbatical leaves of absence.

**APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

**ABBASI, ABDULSATTAR, Research Assistant in Pediatrics (Medicine), one year from July 1, 1963, $6,000 (7-5-63).**

**ANDERSEN, D., Assistant in English, nine months from September 16, 1963, $4,600 (7-1-63).**

**ARMSTRONG, BEULAH M., Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, $1,956 for the period (7-1-63).**

**BAILEY, WILLIAM E., Assistant in Dermatology (Medicine), six months from July 1, 1963, $429.17 a month (6-24-63).**
Balmain, Keith G., Research Associate in Electrical Engineering (S), two months from July 1, 1963, $875 a month, supersedes (6-24-63).

Barkley, Mrs. Clare E., Assistant in the Division of General Studies, nine months from September 16, 1963, $4,200 (7-5-63).

Batten, George W., Jr., Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1963, $6,500 (7-1-63).

Bennemann, Karl-Heinz, Research Associate in Physics (C), one year from September 1, 1963, $8,000 (6-24-63).

Berlande, Jacques, Visiting Research Associate in Electrical Engineering (S), one year from September 1, 1963, $7,200 (7-5-63).

Bialecke, Edward, Research Associate in Electrical Engineering (S), two months from July 1, 1963, $666.67 a month, supersedes (6-24-63); and one year from September 1, 1963, $8,000 (7-1-63).

Boardman, Richard P., Research Assistant in Medical Education (Medicine), two months from July 1, 1963, $550 a month (6-24-63).

Bowman, Mrs. Mary A., Engineering Library Assistant in the Library, one year from September 1, 1963, $5,500 (7-1-63).

Bowman, Billie R., Assistant Reference Librarian in the Library, with rank of Instructor, one year from September 1, 1963, $6,800 (7-1-63).

Brawner, David H., Assistant in History, Summer Session of 1963, June 17-August 10, 1963, $889 for the period, supersedes previous Summer Session appointment (6-28-63).

Brooker, Elmer W., Research Assistant in Civil Engineering (C), four months from September 1, 1963, $555.56 a month (7-1-63).

Brooker, Mrs. Elizabeth, Research Assistant in the Digital Computer Laboratory, nine months from September 16, 1963, $4,200 (7-1-63).

Buchholz, Eugene K., Assistant in Mechanical Engineering (C), nine months from September 16, 1963, $5,500 (7-5-63).

Caldwell, Roderick, Visiting Lecturer in Mathematics, Summer Session of 1963, June 17-August 10, 1963, $1,823 for the period (7-1-63).

Callahan, Joseph P., Research Associate in Theoretical and Applied Mechanics (C), ½ time, academic year beginning September 1, 1963, $2,600 (7-5-63).

Camey, Mrs. Louise M., House Director-Delta Cooperative, ten months from September 1, 1963, $2,300; for the convenience of the University, she will also be furnished room and board valued at $31 a month (6-24-63).

Campbell, James L., Instructor in Music, Summer Session of 1963, June 17-August 10, 1963, $423 for the period (7-1-63).

Corley, Robert E., Associate Professor of Sociology (Chicago Undergraduate Division), ½ time, June 21-August 16, 1963, $944, additional to present appointment and to Summer Session appointment on ½ time (6-24-63).

Crandaio, Coryl, Assistant in English, nine months from September 16, 1963, $4,600 (7-1-63).

Crawford, William R., III, Research Assistant in Medicine Administration (Medicine Education) (College of Medicine), one year from September 1, 1963, $8,500 (6-21-63).

Crew, John E., Research Assistant Professor of Physics (C), one month from July 1, 1963, $1,000 (6-24-63).

Crow, W. D. L., Research Associate in Chemistry, November 18, 1963-August 31, 1964, $6,600 a year, supersedes (7-1-63).

Dawkins, William P., Research Assistant in Civil Engineering (C), nine months from September 16, 1963, $6,000 (6-19-63).

DeMaine, Margaret M., Research Associate in Chemistry, one year from September 1, 1963, $7,000 (6-6-63).

DePalma, Rudolph, Research Associate in Oral Medicine, and Social Aspects of Dentistry (Dentistry), ½ time, one year from September 1, 1963, $2,950 (7-1-63).


Ehman, John, Research Associate in Physics (C), three months from June 1, 1963, $700 a month, supersedes (6-24-63).

Ellis, Virginia, Head Resident, Allen Hall (North), ten months from September 1, 1963, $5,250; for the convenience of the University, she will also
receive an apartment and meals while the dining rooms are in operation (6-24-63).

ENG, WILLIAM, Associate Professor of Architecture, Summer Session of 1963, June 17-August 10, 1963, $2,223 for the period (7-3-63).

FERELL, ARTHUR L., Assistant in History, nine months from September 16, 1963, $4,200 (7-1-63).

FIELD, MARY L., Assistant to the Dean of Women, ¾ time, nine months from September 16, 1963, $3,300 (7-3-63).

FITCH, HORATIO M., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963, June 17-August 10, 1963, $1,823 for the period, supersedes previous Summer Session appointment (6-17-63).

FLENNER, ROSS H., Senior Research Programmer in the Digital Computer Laboratory, one year from September 1, 1963, $10,500 (7-1-63).


GARVEY, JOHN C., Professor of Music, Summer Session of 1963, 2/3 time, June 17-August 10, 1963, $1,586 for the period, supersedes previous Summer Session appointment (7-1-63).

GARVIN, FRANK G., Assistant in English, nine months from September 16, 1963, $4,200 (7-1-63).

GAUDETTE, HENRI E., Research Associate in Geology, one year from September 1, 1963, $7,500 (6-24-63).

GEIGER, DAVID S., Research Associate in Physics (C), ½ time, one year from September 1, 1963, $4,000 (6-1-63).

GEILARD, JOHN F., Research Associate in Chemistry, one year from September 1, 1963, $6,100 (6-24-63).

GELDER, HARVEY M., Visiting Lecturer in Mathematics and in Education (University High School), one year from September 1, 1963, $14,300 (6-17-63).

GIORDANO, CHARLES B., Instructor in German, Summer Session of 1963, June 17-August 10, 1963, $1,334 for the period, supersedes previous Summer Session appointment (6-20-63).

GIORDANO, CHARLES B., Instructor in German, Summer Session of 1963, June 17-August 10, 1963, $1,334 for the period, supersedes previous Summer Session appointment (6-20-63).

GOLDSMITH, MRS. ELEANOR, Head Resident, Evans Hall, ten months from September 1, 1963, $12,000 (6-8-63).
HARRIS, MARVYN R., Instructor in French, academic year beginning September 1, 1963, $6,600 (7-1-63).

HAWKINS, HELEN A., Head Resident, Saunders Hall, ten months from September 1, 1963, $5,300; for the convenience of the University, she will be furnished room and board valued at $31 a month (6-24-63).

HAYASHI, MAKOTO, Research Associate in Psychiatry (Medicine), August 15, 1963-August 31, 1964, $6,500 a year (6-28-63).

HEILES, WILLIAM H., Instructor in Music, academic year beginning September 1, 1963, $5,000 (5-23-63).

HENLEY, STEPHEN P., Associate Professor of Administration and Supervision (College of Education), June 16-August 15, 1963, $2,134, supersedes Summer Session appointment (6-13-63).

HENDERLEITER, W. M., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, ½ time, June 21-August 16, 1963, $1,075 for the period (6-26-63).

HENDERLEITER, W. M., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, ½ time, June 21-August 16, 1963, $1,075 for the period (6-26-63).

HILL, ORDFLE G., Assistant in English, nine months from September 16, 1963, $4,600 (7-1-63).

HILL, ROGER G., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, ½ time, June 21-August 16, 1963, $1,279 for the period (6-26-63).

HODGES, CHARLES E., Assistant in English, nine months from September 16, 1963, $4,600 (7-1-63).

HODGES, THOMAS K., Assistant Professor of Horticulture (C and S), July 1, 1963-August 31, 1963, $8,600 a year, supersedes (6-14-63).

HUANG, YEN-CHIEN, Research Associate in Metallurgy (C), June 12-August 31, 1963, $666.66 a month, supersedes (7-1-63).


INHABER, HERBERT, Research Assistant in Physics (C), two months from June 16, 1963, $934 (6-24-63).

JAMES, JUDSON L., Instructor in Political Science, academic year beginning September 1, 1963, $6,500 (6-24-63).

JENSEN, RUSSELL S., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963, ½ time, June 17-August 10, 1963, $900 for the period, supersedes previous Summer Session appointment (6-17-63).

JOHNSTON, A. BEAUMONT, II, Clinical Associate in Neurological Surgery, Department of Neurology and Neurological Surgery (Medicine), ½ time, one year from September 1, 1963, $1,800 (6-26-63).

JOHNSON, ROBERT G., Assistant in English, nine months from September 16, 1963, $4,600 (7-1-63).

JOHNSON, WELDON A., Registered Pharmacist in Hospital Pharmacy (Pharmacy), June 16-August 31, 1963, $625 a month (6-26-63).


KADERAYEK, MILAN R., Instructor in Music, academic year beginning September 1, 1963, $6,500 (5-23-63).

KAPPAUF, WILLIAM E., Professor of Psychology, Summer Session of 1963, June 17-August 10, 1963, $3,134 for the period (6-28-63).

KAVIN, HYMIE, Research Assistant in Medicine (Medicine), one year from July 1, 1963, $6,000 (6-26-63).

KELLOGG, KING, Associate Professor of Music, Summer Session of 1963, June 17-August 10, 1963, $2,223 for the period, supersedes previous Summer Session appointment (7-1-63).

KEMP, JOHN S., Assistant Coordinator, School-University Articulation (Office of Admissions and Records), and Research Assistant in Education (College of Education), one year from September 1, 1963, $5,500 (6-8-63).


KINGERY, ROSS A., Assistant Editor, College of Engineering, one year from September 1, 1963, $9,200 (7-1-63).
Klassen, Peter P., Professor of Sociology (Chicago Undergraduate Division), June 21-August 16, 1963, $2,534, additional (6-24-63).
Klassen, Waldemar, Research Associate in Zoology, one year from September 1, 1963, $6,500 (6-6-63).
Klug, Michael A., Assistant in English, nine months from September 16, 1963, $4,400 (7-1-63).
Kohlmeyer, Frederick, Assistant Professor of Economics, one year from July 1, 1963, $11,000, supersedes (7-3-63).
Kotatnur, Mohan G., Research Associate in Animal Science (S), one year from September 1, 1963, $6,700 (6-8-63).
Kyuno, Eishin, Research Associate in Chemistry, one year from September 1, 1963, $7,200 (6-6-63).
La Velle, Faith W., Research Associate in Anatomy (Medicine), ½ time, academic year beginning September 1, 1963, $3,200 (6-28-63).
Leach, James L., Assistant Coordinator, International Cooperation Programs (Provost's Office), ½ time, July 1-August 31, 1963, $583.33 a month, additional (7-1-63).
Leslie, James J., Research Associate in Physics (C), three months from June 1, 1963, $625 a month, supersedes (6-25-63).
Levitov, Edith S., Research Assistant in Psychiatry (Medicine), July 1, 1963-August 31, 1964, $6,200 a year, supersedes (6-14-63).
Lieu, Mrs. Katherine H., Research Associate in Chemistry, June 10-August 31, 1963, $445 a month (7-10-63); and one year from September 1, 1963, $5,340 (7-10-63).
Liggett, John P., Extension Specialist in Civil Defense (Division of University Extension), August 1, 1963-August 31, 1964, $9,600 a year (7-1-63).
Lissitz, Robert W., Research Assistant in Psychiatry (Medicine), June 24, 1963-August 31, 1964, $5,150 a year (6-14-63).
Long, Charles A., Instructor in Zoology, academic year beginning September 1, 1963, $5,000 (7-1-63).
Lower, William D., Assistant in English, nine months from September 16, 1963, $4,400 (7-1-63).
Macnamara, Patricia E., Head Resident, Lincoln Avenue Residence (North), ten months from September 1, 1963, $4,900; for the convenience of the University, she will also receive an apartment and meals furnished while the dining rooms are in operation (6-24-63).
Maduros, Bill P., Clinical Associate in Medicine (Medicine), three months from June 1, 1963, without salary (7-1-63).
Martin, Milliecent V., Assistant Professor of Child Development, Summer Session of 1963, June 17-August 10, 1963, $1,445 for the period (6-24-63).
Martin-Trigona, Mrs. Helen, Assistant in Speech and Theatre, nine months from September 16, 1963, $4,800 (6-19-63).
Martinano, Salvatore J., Visiting Composer of Music, nine months from September 16, 1963, $8,500 (6-6-63).
McCintock, Norman E., Visiting Lecturer in Education, Summer Session of 1963, July 15-August 10, 1963, $1,000 for the period (6-24-63).
Meada, Naomi M., Head Resident, Blaisdell Hall, ten months from September 1, 1963, $4,900; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
Metcalf, Charles W., Clinical Instructor in Medicine (Medicine), June 22-August 31, 1963, without salary (7-1-63).
Meyerholz, George W., Assistant Professor of Veterinary Extension, Department of Veterinary Pathology and Hygiene (College of Veterinary Medicine) (E and C), June 16, 1963-August 31, 1965, $11,600 a year (6-17-63).
Miller, Jerald, Instructor in Periodontics, Department of Applied Medicine and Therapeutics (Dentistry), ½ time, one year from September 1, 1963, $1,600 (6-28-63).
Miller, William H., Associate Professor of Music, Summer Session of 1963, June 17-August 10, 1963, $1,912 for the period, supersedes previous Summer Session appointment (7-1-63).
Mims, R. Sue, Head Resident, Taft Hall, ten months from September 1, 1963, $4,700; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).
MITCHELL, JUNE D., Head Resident, Lincoln Avenue Residence (South), ten months from September 1, 1963, $5,100; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).

MORRIS, JOHN R., Extension Specialist in Civil Defense, Division of University Extension, August 1, 1963-August 31, 1964, $10,200 a year (7-1-63).

MUELLER, JOSEPH E., Research Associate in Education (University High School), one year from September 1, 1963, $11,000 (6-8-63).

NAJAFI, HASSAN, Research Associate in Surgery (Medicine), 7/10 time, one year from July 1, 1963, $6,000, supersedes nonsalaried appointment (6-26-63).

NEAL, RICHARD H., Clinical Instructor in Medicine (Medicine), June 10-August 31, 1963, without salary (6-28-63).

NEDELSKY, LEO, Research Associate in Teacher Education (Dentistry), 1/4 time, one year from September 1, 1963, $3,750 (7-1-63).

NELSON, WILFRED H., Research Associate in Chemistry, eleven months from October 1, 1963, $6,100 a year (7-1-63).

NICHOLS, GLENN O., Assistant in History, Summer Session of 1963, June 17-August 10, 1963, $889 for the period, supersedes previous Summer Session appointment (6-28-63).

NOLLAN, GRACE M., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, 3/4 time, June 21-August 16, 1963, $1,260 for the period (6-26-63).

NOVAR, LEON, Visiting Lecturer in Political Science (Chicago Undergraduate Division), Summer Session of 1963, 1/2 time, June 21-August 16, 1963, $750 for the period (6-26-63).

OKADA, KATUKI, Research Associate in Psychiatry (Medicine), August 15, 1963-August 31, 1963, $6,500 a year (6-28-63).

OLSEN, CHARLES E., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,512 for the period, supersedes previous Summer Session appointment (6-26-63).

PERLMUTTER, MRS. SHIRLEY, Instructor in Occupational Therapy (Medicine), 3/4 time, June 3-August 31, 1963, $3,930 a year, supersedes leave of absence and previous appointment (6-24-63).

PINEO, Clifford W., Research Associate in Education (University High School), one year from September 1, 1963, $11,500 (6-8-63).

PORTER, LAURELLEN, Head Resident, Triad, five months from September 1, 1963, $500 a month; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).

PRANINSKAS, MRS. JEAN, Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, $6,700 a year (7-1-63).

PURITT, PAUL, Research Assistant in Anthropology, two months from June 1, 1963, $444.44 a month (6-24-63).

RAINS, MRS. RUTH R., Assistant Professor of French, two years from September 1, 1963, to render service during each academic year, $6,900 a year (7-1-63).

RAMAIAH, KOMMİNENI, Research Associate in Chemistry, one year from September 1, 1963, $6,100 (6-6-63).

REBER, ROBERT J., Research Assistant in Animal Science (S), June 5-August 31, 1963, $5,000 a year; and one year from September 1, 1963, $5,200 (6-14-63).

REMEIKIS, NIJOLE, Instructor in Endodontics, Department of Applied Materials and Therapeutics (Dentistry), one year from September 1, 1963, $8,600 (6-28-63).

RIBEIRO, SERGIO T., Research Associate in the Digital Computer Laboratory, academic year beginning September 1, 1963, $6,500 (7-1-63).

RIEDY, MRS. SONIA C., Assistant to the Director of Foreign Student Affairs, August 1, 1963-August 31, 1964, $6,500 a year (7-5-63).

RINGERS, PATRICIA, Illini Union Browsing Room Librarian in the Library, with rank of Assistant, one year from September 1, 1963, $5,800 (7-1-63).

RINGLER, ELLIN J., Assistant in English, nine months from September 16, 1963, $4,600 (7-1-63).
Ritchie, Mrs. Florence, Head Resident, Van Doren Hall, ten months from September 1, 1963, $4,950; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).

Roberts, Donald M., Associate Professor of Economics, 3/4 time, and of Mathematics, 3/4 time, indefinite tenure from September 1, 1963, to render service during each academic year, $10,000 a year (7-5-63).

Rogers, Philip E., Assistant in English, nine months from September 16, 1963, $4,200 (7-1-63).

Russo, Alexander J., Assistant in the Radiocarbon Laboratory, two months from June 16, 1963, $525 a month (6-17-63).

Sandberg, Mrs. Karen R., Research Assistant in Chemistry (Pharmacy), one year from September 1, 1963, $5,150 (7-1-63).

Sanders, Walter J., Assistant Professor of Mathematics and of Education (University High School), one year from September 1, 1963, $11,000 (6-13-63).

Sasner, John J., Jr., Research Associate in Physiology and Biophysics, one month from September 1, 1963, $550 (6-8-63).

Schill, William J., Assistant Professor of Education, Summer Session of 1963, 3/4 time, and in the College of Education, 1/4 time, June 17-August 10, 1963, $1,889 for the period, supersedes previous Summer Session appointment (6-28-63).

Scolomiti, N. C., Assistant Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1963, 3/4 time, June 21-August 16, 1963, $1,325 for the period (6-26-63).

Sears, Helen W., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,467 for the period, supersedes previous Summer Session appointment (6-26-63).

Sexton, Haskell O., Professor of Music, Summer Session of 1963, 3/4 time, June 17-August 10, 1963, $1,767 for the period, supersedes previous Summer Session appointment (7-1-63).

Shaw, Paul L., Assistant Professor of Plant Pathology (C and S), one year from July 1, 1963, $9,000, supersedes (7-5-63).

Shindo, Hideyo, Research Associate in Chemistry, one year from September 1, 1963, $6,500 (6-24-63).

Skornia, Lorene M., Assistant to the Dean of Women, 3/4 time, nine months from September 16, 1963, $3,400 (7-3-63).

Smith, George H., Jr., Instructor in Social Sciences (Chicago Undergraduate Division), Summer Session of 1963, 3/4 time, June 21-August 16, 1963, $889 for the period (6-26-63).

Sohn, David M., Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral and Maxillofacial Surgery (Dentistry), 1/2 time, one year from September 1, 1963, $3,750 (6-28-63).

Spellman, Mrs. Mary S., Commerce and Sociology Library Assistant in the Library, one year from September 1, 1963, $5,500 (7-5-63).

Spreenke, Case M., Assistant Professor of Economics and Assistant Dean of the College of Commerce and Business Administration, Summer Session of 1963, two months from June 16, 1963, $1,934 for the period (6-13-63).

Srinivasan, Rangaswamy, Research Associate in Chemistry, eight months from January 1, 1964, $6,100 a year (6-6-63).

Stoops, Betty, Extension Specialist in Visual Aids Service (Division of University Extension), one month from July 1, 1963, $888.89; and nine months from September 1, 1963, $933.33 a month (6-24-63).

Tagger, Michel, Instructor in Endodontics and in Periodontics, Department of Applied Materia Medica and Therapeutics (Dentistry), one year from September 1, 1963, $7,000 (6-28-63).

Talbot, George A., Lecturer in Social Science and Sociology (Division of General Studies and Department of Sociology), academic year beginning September 1, 1963, $6,800 (7-1-63).

Tanaka, Ryo, Research Associate in Psychiatry (Medicine), six months from April 1, 1963, $625 a month, supersedes (6-24-63).
TELLING, MRS. FERN H., Head Resident, Cedar Hall, and Coordinator of Arbor Suites, ten months from September 1, 1963, $4,650; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).

TERRELL, GLENN, JR., Professor of Psychology and Dean of the College of Liberal Arts and Sciences (Chicago Undergraduate Division), one month from August 1, 1963, $1,750 (6-24-63).

TESTA, MRS. JANICE M., Instructor in French, academic year beginning September 1, 1963, $6,600 (7-1-63).

TEXTOR, CHARLES S., II, Clinical Assistant Professor of Neurology and Neurological Surgery (Medicine), 1/10 time, one year from September 1, 1963, $1,200 (6-28-63).

THODEY, A. R., Assistant in Agricultural Economics (S), July 22-August 31, 1963, $602.50 (7-3-63).

THOMSON, JOSEPH W., Research Assistant in English, three months from June 16, 1963, $1,750 (6-21-63).

TICHENOR, DUANE, Instructor in Education, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, $667 for the period (6-28-63).

TRIPPET, MARY M., Assistant in English, nine months from September 16, 1963, $4,400 (7-1-63).

TUFTS, THOMAS B., Assistant in English, nine months from September 16, 1963, $4,200 (7-31-63).

VEDRAL, MRS. ROSE H., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, 1/2 time, June 21-August 16, 1963, $1,260 for the period (6-26-63).

VIA, JOHN, Assistant in English, nine months from September 16, 1963, $4,400 (7-1-63).

Vogel, wolfgang H., Research Associate in Pharmacology (Medicine), one year from August 1, 1963, $8,500 (6-27-63).

WANG, HAN-CHUNG, Research Associate in Theoretical and Applied Mechanics (C), 1/2 time, academic year beginning September 1, 1963, $2,500 (6-10-63).

WellS, MRS. CATHERINE N., Head Resident, Busey Hall, ten months from September 1, 1963, $4,950; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (6-24-63).

WENTWORTH, RUPERT A. D., Research Associate in Chemistry, June 24-August 31, 1963, $583.33 a month; and one year from September 1, 1963, $7,000 (6-24-63).

ZAHARKE, DANIEL S., Research Associate in Physiology and Biophysics, two months from June 16, 1963, $1,090.90 (6-17-63).

ZBICX, RAYMOND, Clinical Instructor in Anesthesiology, Department of Surgery (Medicine), three months from June 1, 1963, without salary (6-28-63).

ZWIER, MARCIA D., Psychologist in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 45/100 time, June 17-August 10, 1963, $400 for the period (7-1-63).

FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

AKITT, DONALD P., Sperry-Gyroscope Fellow in Electrical Engineering, nine months from September 16, 1963, $2,500 (6-20-63).

ALCALDE, VICTOR M., United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1963, $6,500 (7-2-63).

ANSERIO, JOHN F., Ford Foundation Medical Student Summer Quarter Fellow in Physiology, three months from June 16, 1963, $600 (6-18-63).

ARNOFF, WILLIAM H., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $12,000 (6-20-63).

AUST, RICHARD B., National Science Foundation Graduate Fellow in Chemical Engineering, nine months from September 16, 1963, $1,650 (6-11-63).

BAGBY, ROLAND M., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, $2,666 (7-3-63).
BINGEL, AUDREY S., United States Public Health Service Fellow (Trainee) in Physiology, ten months from September 1, 1963, $1,833.33 (7-9-63).

BOGART, ELIZABETH A., National Science Foundation Graduate Fellow in Zoology, one year from September 1, 1963, $2,000 (6-11-63).

BRANDT, RICHARD C. National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, $2,400 (4-25-63).

BUCKOWSKI, ZBIGNIEW, Postdoctoral Fellow in Chemistry, one year from September 1, 1963, $6,000 (7-5-63).

CARMICHAEL, J. W., Jr., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, $2,200 (6-11-63).


CORY, ROBERT P., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, $2,500 (6-18-63).

CONGER, ANTHONY J., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (6-3-63).

D'AGOSTINO, ANTHONY N., United States Public Health Service Fellow (Trainee) in Pharmacology, three months from June 16, 1963, $600 (7-9-63).

DEWITT, WALTER G., III, National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $2,500 (6-14-63).

DOROSZ, LEON C., United States Public Health Service Fellow (Trainee) in Physiology, nine months from September 16, 1963, $3,000 (6-20-63).

DUERINCK, WAYNE C., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, $2,400 (7-8-63).


FORD, THOMAS E., International Business Machines Fellow in Electrical Engineering, nine months from September 16, 1963, $2,500 (6-21-63).

FRIEDMAN, ROBERT B., United States Public Health Service Fellow (Trainee) in Biochemistry, September 16, 1963-June 30, 1964, $1,820.77 (7-3-63).

GOODMAN, EDWARD L., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $3,000 (6-14-63).

GOODMAN, HARRY E., National Science Foundation Fellow in Pharmacy, one year from June 17, 1963, $4,000 (6-28-63).

GOSSUM, SANDRA A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170, supersedes (6-19-63).

GRALLER, JACK L., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $3,000 (6-18-63).

HUBER, FLOYD M., United States Public Health Service Predoctoral Fellow in Plant Pathology, one year from July 1, 1963, $3,000 (7-10-63).
HURST, DAVID O., National Science Foundation Graduate Fellow in Chemistry, nine months from September 16, 1963, $1,500 (6-18-63).

IRGENS, ROARL., United States Public Health Service Fellow (Trainee) in Microbiology, seven months from July 1, 1963, $1,866.69 (5-24-63).

JAO, RODOLFO L., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, $6,000 (7-2-63).

JOHANSEN, CARLYLE E., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $2,400 (6-20-63).

KAMINSKY, MURIEL, National Institute of Mental Health Predoctoral Fellow in Anthropology, one year from June 16, 1963, $2,058 (6-11-63).

KAUFMAN, RICHARD V., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $2,400 (6-20-63).

KEARNS, THOMAS J., National Science Foundation Graduate Fellow in Mathematics, one year from September 1, 1963, $2,000 (6-24-63).

KEFALIDES, NICHOLAS A., United States Public Health Service Fellow (Trainee) in Medicine, one year from July 1, 1963, $8,000 (6-13-63).

Kenny, MARGARET A., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1963-June 30, 1964, $1,820.83 (7-8-63).

KERS, KARLENE, United States Public Health Service Fellow (Trainee) in Psychology, one year from July 1, 1963, $2,400 (6-20-63).

KOOPMAN, RAYMOND F., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $2,400 (6-21-63).

LAWTON, IRENE, United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, $2,300 (7-10-63).

Lefkowitz, Lewis B., Jr., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, $7,500 (7-8-63).

Lerner, ALAN E., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $3,000 (6-20-63).

Levy, WILLIAM H., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $2,400 (6-20-63).

LIEB, WILLIAM R., National Science Foundation Graduate Fellow in Biophysics, nine months from September 16, 1963, $1,875 (6-24-63).

Lilje, GERALD W., Fellow in Philosophy, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375, supersedes (6-19-63).

Litwack, MARCIA D., United States Public Health Service Fellow (Trainee) in Biochemistry, one year from July 1, 1963, $2,300 (7-3-63).

LOEVY, HANNELORE, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from July 1, 1963, $6,000 (6-18-63).

LOWE, JOHN T., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, $2,500 (6-18-63).

MAGLIONE, FRANK D., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, $850 (6-14-63).

Mandy, William J., Postdoctoral Fellow (Trainee) in Microbiology, two months from July 1, 1963, $625 a month (6-24-63).

MARCUM, HOWARD B., National Science Foundation Graduate Fellow in Psychology, nine months from September 16, 1963, $1,500 (6-18-63).

MARSHALL, JOHN A., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from June 16, 1963, $2,400 (6-18-63).

Martin, Preston K., United States Rubber Company Summer Fellow in Chemistry, two months from June 16, 1963, $500 (6-28-63).

Mayfield, ERNEST D., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1963, $2,600 (7-16-63).

McGuirk, DONALD J., Fellow in Chemistry, nine months from September 16, 1963, $1,800; and two months from June 16, 1964, $600, supersedes (6-10-63).

McQueen, RALPH D., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, three months from June 1, 1963, $1,260 (6-28-63).

Medens, MRS. RUTE, United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1963, $6,700 (7-2-63).

Melton, MARILYN R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, $500 (6-14-63).
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MER, SANFORD B., Fellow (Trainee) in Otolaryngology, one year from July 1, 1963, $7,000 (7-2-63).
MERKEL, HENRY, Radio Corporation of America Fellow in Electrical Engineering, nine months from September 16, 1963, $2,700 (6-19-63).
MERRILL, TIMOTHY N., United States Public Health Service Fellow (Trainee) in Medicine, June 17-August 23, 1963, $600 (7-8-63).
MIDDAGH, RICHARD L., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $2,200 (6-18-63).
MIESEL, JOHN, National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $2,000 (6-18-63).
MONEE, BRUCE M., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $2,000 (6-18-63).
MUKHERJI, PARTHA N., Fellow in Sociology, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375 (6-6-63).
MULLEN, LOUIS E., General Electric Foundation Fellow in Accounting, nine months from September 16, 1963, $1,500 (6-20-63).
NADOR, FRANK, United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $12,000 (6-20-63).
NANCE, JON R., National Science Foundation Graduate Fellow in Physics, one year from June 16, 1963, $3,200 (6-18-63).
NEIDINGER, JOSEPH W., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, $2,800 (7-9-63).
O'BRIEN, MARGARET A., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1963-June 30, 1964, $1,820.77 (7-8-63).
O'CONNOR, BRIAN R., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $2,700 (6-18-63).
PAYNE, WILLIAM H., Edward Orton Jr. Ceramic Foundation Fellow in Ceramic Engineering, nine months from September 16, 1963, $1,600, supersedes (6-19-63).
PERKINS, JOHN C., United States Public Health Service Fellow (Trainee) in Infectious Disease (Medicine), one year from July 1, 1963, $7,500 (7-8-63).
PICKENS, WILLIAM F., United States Public Health Service Predoctoral Fellow in Chemistry, one year from June 16, 1963, $2,000 (7-10-63).
PERRET, ROBERT F., National Science Foundation Graduate Fellow in Physics, nine months from September 16, 1963, $1,500 (6-18-63).
PICKERT, RICHARD E., National Science Foundation Graduate Fellow in Civil Engineering, nine months from September 16, 1963, $1,500 (6-18-63).
PIZER, ESTHER R., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $12,000 (6-20-63).
PURCELL, KEITH F., Union Carbide Corporation Fellow in Chemistry, nine months from September 16, 1963, $2,100 (5-6-63).
RANKIN, CAROLYN, Millican College Fellow in Education, nine months from September 16, 1963, $1,500, supersedes (6-27-63).
REEDY, STANLEY G., Medical Student Summer Quarter Fellow in Biological Chemistry, three months from June 16, 1963, $600 (6-11-63).
REILLY, MATTHEW J., National Science Foundation Graduate Fellow in Chemical Engineering, one year from June 16, 1963, $3,000 (6-17-63).
ROBBINS, PAUL C., United States Public Health Service Fellow (Trainee) in Medicine (Endocrinology and Metabolism), June 28-September 15, 1963, $1,000 (7-8-63).
ROSENBLOOM, CARL, United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, $1,916.60 (7-9-63).
ROUK, DONALD J., General Electric Foundation Fellow in Accounting, nine months from September 16, 1963, $1,000 (6-26-63).
SAMPLE, STEVEN B., National Science Foundation Graduate Fellow in Electrical Engineering, nine months from September 16, 1963, $2,250 (6-18-63).
SHER, GEORGE D., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, $2,700 (6-18-63).
SILVERGLADE, LEE B., United States Public Health Service Fellow (Trainee) in Oral Pathology, two months from July 1, 1963, $1,083.32 (7-2-63); and ten months from September 1, 1963, $5,833.33 (7-3-63).
SIMONE, JOSEPH V., United States Public Health Service Fellow (Trainee) in Pediatrics, one year from July 1, 1963, $6,500 (7-2-63).
SLATER, DONALD N., United States Public Health Service Fellow (Trainee) in Microbiology, June 16, 1963-September 1, 1964, $3,407.50, supersedes (7-1-63).
SMITH, AUSTIN M., General Electric Foundation Fellow in Accounting, nine months from September 16, 1963, $1,000 (6-20-63).
SMITH, JACK L., Postdoctoral Fellow (Trainee) in Animal Science, two months from July 1, 1963, $533.33 a month (6-24-63); and United States Public Health Service Postdoctoral Fellow in Animal Science, ten months from September 1, 1963, $6,400 a year (7-5-63).
SMOLER, J., United States Public Health Service Fellow (Trainee) in Otolaryngology, one year from July 1, 1963, $5,500 (6-13-63).
STANKO, JOSEPH A., National Science Foundation Graduate Fellow in Chemistry, one year from June 16, 1963, $2,500 (6-18-63).
SZILVASSY, IVAN P., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from July 1, 1963, $5,500 (6-20-63).
TURK, CHARLES E., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $2,400 (6-20-63).
TURNER, L. P., United States Rubber Company Summer Fellow in Chemistry, two months from June 16, 1963, $500 (6-28-63).
VERMEULEN, CARL W., United States Public Health Service Predoctoral Fellow in Biochemistry, one year from July 1, 1963, $2,500 (7-12-63).
Vice, JOHN L., Graduate College Fellow in Microbiology, nine months from September 16, 1963, $1,800 (6-18-63).
VOLNER, PATSY R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, $500 (6-14-63).
WARD, LINDA R., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, $500 (6-14-63).
WHITAKER, SIDNEY M., National Science Foundation Graduate Fellow in Geology, nine months from September 16, 1963, $1,500 (6-18-63).
WILSON, JOHN E., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $2,200 (6-18-63).
WILSON, ROBERT G., National Science Foundation Fellow in Pharmacy, one year from June 18, 1963, $3,000 (6-28-63).
WRZESZCZ, OWEN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,310, supersedes (6-19-63).
YOUNG, PHILIP D., National Institute of Mental Health Predoctoral Fellow in Anthropology, one year from June 1, 1963, $4,500 (6-11-63).
ZARYCKY, OKSANA M., United States Public Health Service Fellow (Trainee) in Biochemistry, one year from July 1, 1963, $2,400 (7-3-63).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATION

ADAMS, MARY, Assistant Professor of Nursing — resignation effective July 1, 1963.
AGUSTIN, CESAR C., Research Assistant in Physical Medicine and Rehabilitation (Medicine) — resignation effective August 15, 1963.
AYERS, MRS. CHARLOTTE S., Serials Cataloger in the Library, with rank of Instructor — resignation effective June 27, 1963.
BACH, GERHARD L., Research Assistant in Medicine (Medicine) — resignation effective July 1, 1963.
BERGER, JACQUES, Instructor in Zoology — resignation effective September 1, 1963.
BERGLUND, WINTFRED V., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
BISWAS, DEBAJIT K., Research Associate in Animal Science — resignation effective September 1, 1963.

BRYSON, LARRY, United States Public Health Service Fellow (Trainee) in Psychiatry — termination effective February 1, 1963.

CHENOWETH, MRS. LYNN, Assistant in Nursing — resignation effective June 7, 1963.

CHRISTENSEN, JAMES, JR., Office of Vocational Rehabilitation Fellow (Trainee) in Education — cancellation effective June 15, 1963.

CHU, GODWIN C., Research Assistant Professor in the Institute of Communications Research — resignation effective September 1, 1963.

DETWILER, BETTY C., Instructor in Mathematics — resignation effective September 1, 1963.

DONOHUE, JOHN T., Fellow in Chemistry — resignation effective May 1, 1963.

ERICKSEN, ALVIN W., Research Associate in Plant Breeding (Agronomy), in the Agricultural Experiment Station — resignation effective August 1, 1963.

FAY, ALICE M., Assistant Professor of Nursing — resignation effective September 1, 1963.

FEINSTEIN, GARY N., Summer Fellow in Electrical Engineering — cancellation effective June 15, 1963.

FOULK, MRS. DOROTHY A., Law Library Assistant, with rank of Instructor — resignation effective September 1, 1963.

FRANK, EVELYN, Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.


GLEN, DONALD L., Research Associate in Surgery (Medicine) — resignation effective July 1, 1963.

GROSBOIS, MARTIN P., Summer Fellow in Chemical Engineering — cancellation effective June 16, 1963.

HAVERKAMP, MRS. CAROL A., Assistant in Nursing — resignation effective July 1, 1963.

HEALY, JAMES H., Research Associate in Mechanical Engineering — resignation effective September 1, 1963.

HERUM, FLOYD L., Assistant Professor of Agricultural Engineering, in the Extension Service in Agriculture and Home Economics and in the Agricultural Experiment Station — resignation effective September 1, 1963.

HILDEBETH, MILDRED, Assistant Reference Librarian, with rank of Instructor — resignation effective September 1, 1963.


KLASSEN, PETER P., Professor of Sociology (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.

KONA, MRS. MARTHA, Cataloger in the Library, with rank of Instructor (Medicine) — resignation effective July 26, 1963.


LANDIS, MARTHA, Illini Union Browsing Room Librarian, with rank of Instructor — resignation effective September 1, 1963.

LASSO, ANDREW, Bibliographer in the Library, with rank of Instructor — declination effective September 1, 1963.


LOGAN, JOHN F., Instructor in Philosophy — resignation effective September 1, 1963.


MANDY, WILLIAM J., Research Associate in Microbiology — resignation effective July 1, 1963.


Mick, Roger M., Assistant Professor of Psychology (Social Science) and Counselor in Student Counseling Service (Chicago Undergraduate Division) — resignation effective July 18, 1963.

Molbo, Doris, Instructor in Nursing — resignation effective July 10, 1963.

Munse, William H., Professor of Civil Engineering, Summer Session of 1963 — resignation effective June 17, 1963.

Narayanasamy, R., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering — resignation effective September 1, 1963.

O'Neill, William P., National Science Foundation Cooperative Fellow in Chemistry — resignation effective September 1, 1963.


Pietrokovski, Jaime, Research Assistant in Pedodontics (Dentistry) — resignation effective July 1, 1963.

Read, Helen J., Instructor in Medical Social Work (Medicine) — resignation effective August 20, 1963.


Segovia, Jose L. De, Research Associate in the Coordinated Science Laboratory — resignation effective September 1, 1963.


Toussaint, Eunice, History and Political Science Librarian, with rank of Assistant Professor — resignation effective September 1, 1963.

Wales, Hugh G., Professor of Marketing, Summer Session of 1963 — resignation effective June 17, 1963.

Wenninger, Mrs. Nancy, Chemistry Library Assistant in the Library — resignation effective September 1, 1963.

Wilson, Betty R., Extramural Loans Librarian in the Library, with rank of Instructor — resignation effective September 1, 1963.


LEAVES OF ABSENCE

Bardeen, John, Professor of Electrical Engineering and of Physics, and Member of the Center for Advanced Study — leave of absence, without pay, March 1, 1964, through August 31, 1964, so that he may accept a position as Visiting Professor of Physics at Yale University.

Birch, John W., Assistant Professor of Economics — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a Visiting Professorship at Tulane University in New Orleans.

Djurup, Frans M., Jr., Assistant Professor of Mathematics — leave of absence, without pay, beginning June 1, 1963, and continuing through August 31, 1964, so that he may accept an invitation to spend next year at the Institute for Defense Analyses, Princeton, New Jersey.

Fettig, Lyle P., Assistant Professor of Agricultural Economics, in the College of Agriculture and in the Extension Service in Agriculture and Home Economics — leave of absence, without pay, for two months from June 15, 1963.

Frith, Donald E., Associate Professor of Art — leave of absence, without pay, granted him for next year is cancelled, without prejudice.

Johnson, Charles E., Associate Professor of Education — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Professor at the University of Puerto Rico.

Mayer, Leon A., Extension Specialist in the Division of University Extension — leave of absence, without pay, beginning July 29 and continuing through
August 11, 1963, so that he may complete the final two weeks of study in summer school at the University of Illinois.

Nikelly, Arthur G., Clinical Psychologist and Assistant Professor of Hygiene—leave of absence, without pay, beginning July 15 and continuing to August 1, 1963, so that he may serve as a Consultant to the Peace Corps in Washington, D.C.

Page, David, Associate Professor of Education, University High School—leave of absence, without pay, for two years beginning August 1, 1963, so that he may serve as Senior Staff Member with Educational Services Incorporated in Watertown, Massachusetts.

Shelden, Miriam A., Dean of Women—leave of absence on account of sickness, with full pay, for the period July 1 to September 1, 1963, or as much of that period as may be required.

CANCELLATION OF SABBATICAL LEAVES OF ABSENCE

Hyde, Victor A., Professor of Community Planning—sabbatical leave of absence granted him for six months from September 1, 1963, is cancelled, without prejudice.

McMahon, Walter W., Associate Professor of Economics—sabbatical leave of absence on one-half pay granted him for the academic year 1963-64 is cancelled, without prejudice.

CHANGES IN SABBATICAL LEAVES OF ABSENCE

Lewis, Oscar, Professor of Anthropology—sabbatical leave of absence granted him for the academic year 1963-64 on one-half pay has been changed to sabbatical leave during the first semester on full pay.

Osgood, Charles E., Research Professor of Communications Research, Director of the Institute of Communications Research, and Professor of Psychology—sabbatical leave of absence during 1963-64 changed from a full year at one-half pay to the first semester on full pay.

Stice, Leslie F., Professor of Grain Marketing Extension (Agricultural Economics), in the Extension Service in Agriculture and Home Economics—sabbatical leave of absence granted him for the academic year 1963-64 on one-half pay has been changed to leave of absence, without pay, from July 1 through December 31, 1963, and sabbatical leave with full pay from January 1 through June 30, 1964.

West, Vincent I., Professor of Price and Statistics (Agricultural Economics), in the College of Agriculture and in the Agricultural Experiment Station—sabbatical leave of absence granted him for the academic year 1963-64 on one-half pay or six months from February 1, 1964, on full pay, has been changed to leave of absence, without pay from September 1, 1963, through February 29, 1964, and sabbatical leave with full pay from March 1 through August 31, 1964.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested for consideration of reports and recommendations relating to property acquisitions.

On motion of Mrs. Watkins, an executive session was ordered, following a brief recess.

When the Board reconvened in executive session, the same members, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes.

The Board considered the following matters of business.

PURCHASE OF PROPERTY AT 1206 WEST OREGON STREET,
URBANA, ILLINOIS

(1) The Board of Trustees on June 19, 1963, authorized condemnation proceedings for the acquisition of property at 1206 West Oregon Street, Urbana, Illinois. Through subsequent negotiations, and prior to filing suit, a price of $38,000
has been agreed upon for the purchase of this property, which is within the limit authorized by the Committee on Buildings and Grounds. It also appears to be the lowest price for which the property can be acquired without condemnation proceedings and incurring the resulting costs.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I recommend authorization of this purchase, and further recommend that the Board rescind its action of June 19 with respect to condemnation proceedings.

On motion of Mr. Pogue, the purchase of this property at the price recommended was authorized, and the resolution adopted by the Board on June 19, 1963, was rescinded; these actions were taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

Funds for the Purchase of Movable Equipment

(2) As reported previously to the Board of Trustees, the Universities Building Fund (proceeds from funds secured from the sale of the State Bond Issue) may not be used to purchase movable equipment. The Board authorized a request to the Seventy-third General Assembly in the amount of $4,779,500 for movable equipment for buildings financed by the State Bond Issue. The buildings include the following:

Urbana-Champaign
Addition to the Physics Building
Addition to the Library
Physical Plant Service Building
Addition to the Electrical Engineering Building
Turner Hall (Plant Sciences Building)
Addition to the Armory

Chicago Medical Center
Addition to the Medical Sciences Building

The General Assembly did not appropriate such funds to the University from the General Revenue of the state, but rather declared the movable equipment "to be in the public interest," which authorizes the Illinois State Building Authority to borrow funds to purchase the equipment and to lease it to the University.

Some of the above listed buildings can be occupied in the fall of 1963 if movable equipment is available but purchase orders must be placed promptly to insure such availability. The Illinois Building Authority has not yet developed its procedures to a point which will enable it to borrow funds in time to permit the fall occupancy of these buildings.

In consultation with the Illinois Building Authority, a procedure has been developed wherein the University of Illinois Foundation can secure short-term financing from the First National Bank of Chicago to buy approximately $900,000 of the equipment needed for the buildings that will be ready for use this year. The Foundation would buy the equipment, lease it to the University of Illinois for a rental adequate to pay the Foundation's fiscal expenses, and, when the Building Authority is in a position to borrow money for movable equipment, it could then purchase the equipment from the Foundation and lease it to the University.

The First National Bank of Chicago has agreed to loan the Foundation up to $900,000, the estimated cost of the equipment required, at an interest rate of 2½ per cent per annum.

The Vice-President and Comptroller recommends approval of this arrangement and requests authorization to execute a lease with the University of Illinois Foundation for movable equipment, the annual rental to be an amount equal to 2½ per cent per annum of the cost of the equipment and the term of which lease
would not extend beyond June 30, 1965. Funds for the payment of such rental are available in the General Reserve of the University.

On motion of Mr. Williamson, this recommendation was approved, and authority was given as requested by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

On motion of Mr. Johnston, the Board adjourned.

A. J. JANATA
Secretary

Howard W. Clement
President
MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

September 18, 1963

The September meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, September 18, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson, Mr. Irving Dilliard, Mr. Earl M. Hughes, and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary. Mr. C. W. Sanford, Dean of Admissions and Records, was present at the beginning of the meeting.
MINUTES APPROVED
The Secretary presented the minutes of the meetings of the Board of Trustees on March 20 and April 17, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mr. Pogue, these minutes were approved as printed on pages 419 to 482, inclusive.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT
President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

Dean of Admissions and Records C. W. Sanford presented a report on the enrollment for 1963-64 and then left the meeting.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES
(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard written examination given in May, 1963, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943 as amended.

JOHN BLAIR ALVAREZ, Chicago, Illinois
ROBERT CHARLES ARMSTRONG, Aurora, Illinois
JAMES THEODORE ARNOLD, Mount Prospect, Illinois
RONALD EMIL BAUER, Chicago, Illinois
RICHARD ERNEST BARTLE, Blue Island, Illinois
FRANCIS WILLIAM BAUER, Chicago, Illinois
DAVID ALAN BEIRIGER, Clarendon Hills, Illinois
DONALD HARVEY BENTSEN, Barrington, Illinois
ALAN BEROVITZ, Chicago, Illinois
HUBERT LLOYD BERNHEIM, Chicago, Illinois
VICTOR HERBERT BEZMAN, Chicago, Illinois
RICHARD EARL BRAYDE, Chicago, Illinois
FRANK ANTHONY BRODY, Chicago, Illinois
JAMES JAY BUCK, Jr., Pekin, Illinois
WILLIAM ELDAN BUFORD, Chicago Heights, Illinois
JAMES ELLSWORTH BURK, Oak Park, Illinois
ERNEST EUGENE CALL, Chicago, Illinois
DENNIS JAY CARLIN, Chicago, Illinois
ROBERT WILBUR CAUDILL, La Grange, Illinois
HOWARD STUART CHAPMAN, Chicago, Illinois
GERALD DAVID CHISS, Chicago, Illinois
WILLIAM RICHARD CHROSZY, Jr., Berwyn, Illinois
RICHARD BROCKMAN COHEN, Chicago, Illinois
LAWRENCE MATTHEW COHN, Chicago, Illinois
GEORGE TIMOTHY COLLIER, Chicago, Illinois
EUGENE ANTHONY COSTABILE, Chicago, Illinois
EUGENE JOHN COVENY, Oak Lawn, Illinois
DON ROBERT DASEKE, Elk Grove Village, Illinois
WILLARD JOHN DEFILIPPI, Chicago, Illinois
VIRGIL BRUNO DEL GHINGARO, Chicago, Illinois
JOHN JAMES DESMOND, Urbana, Illinois
THOMAS ARNOLD DEWINTER, Park Forest, Illinois
MERRILL DAVID DIEKEN, Champaign, Illinois
RICHARD ROBERT DOCKWEILER, Urbana, Illinois
PAUL EDWARD DUCKWORTH, Newman, Illinois
CHARLES ARTHUR DUNKEL, Chicago, Illinois
VON LELAND ELBERT, Villa Park, Illinois
ROLAND RAY EMERSON, Berwyn, Illinois
STEPHEN NORMAN ENGBERG, Chicago, Illinois
EDWARD ALBERT ENGEL, Morton Grove, Illinois
SHELDON DAVID ENGEL, Chicago, Illinois
JOSEPH EARLE EHRENSTEIN, Chicago, Illinois
ROBERT DOUGLAS FARRE, Park Ridge, Illinois
ROBERT JAMES FELLER, Chicago, Illinois
JOSEPH EDGAR FLEMING, Fairlfield, Illinois
FREDERICK LOUIS HAHN, Highland Park, Illinois
JAMES EDWARD HALLER, Skokie, Illinois
THOMAS CARTER HARKNESS, Lombard, Illinois
JOHN PARKER HARNES, Chicago, Illinois
MARY ELIZABETH HAUGH, Chicago, Illinois
RAY EDWARD HETTINGER, Aurora, Illinois
JOHN DOUGLAS HEWITT, Urbana, Illinois
DAVID EDWARD HILQUIST, Park Ridge, Illinois
JACK HEMEL, Des Plaines, Illinois
JOHN PATRICK HINES, Chicago, Illinois
PAUL EDWARD HIFFLE, Charleston, Illinois
RALPH ARTHUR HOFFMAN, Chicago, Illinois
WALTER SCOTT HUFF, Jr., Peoria, Illinois
WILLIAM DAVID HUGHES, Chicago, Illinois
MICHAEL DENNIS HUNT, Chicago, Illinois
KATHRYN MARY ILIFF, Sycamore, Illinois
RICHARD IZEN, Chicago, Illinois
RICHARD DANIEL JACOBSON, Chicago, Illinois
KENNETH LE ROY JOHNSON, Park Forest, Illinois
WAYNE ANTON JOHNSON, Urbana, Illinois
ELIAS GUS KALOMIRIS, Chicago, Illinois
DONALD JEROME KAMIN, Chicago, Illinois
SHELBY H. KANARISH, Skokie, Illinois
JEROLD KAREL, Chicago, Illinois
RICHARD JOHN KASTEN, Glen Ellyn, Illinois
WALTER MICHAEL KELLY, Jr., Oak Park, Illinois
MICHAEL ALAN KLEINMAN, Chicago, Illinois
THEODORE HERMAN KOHL, Chicago, Illinois
JOHN ANTHONY KOPECKY, Lake Villa, Illinois
LOREN BERNARD KRAMER, Chicago, Illinois
HAROLD KENNETH KROGER, Chicago, Illinois
HARVEY NORMAN KUFFER, Chicago, Illinois
CHARLES RUDER LAFF, Lincolnwood, Illinois
BENJAMIN EARL LINSKY, Chicago, Illinois
DON GALEN LOCKHART, Champaign, Illinois
MICHAEL RAYMOND LOONEY, Chicago, Illinois
ANTHONY MARIO MANDOLINI, Niles, Illinois
CRAIG LEE MARION, Rockford, Illinois
DAVID AARON MASON, Chicago, Illinois
LLOYD MILTON McCLURE, Beardstown, Illinois
WILLIAM GRIFFITH McMILLAN, Chicago, Illinois
JOHN JOSPEH MENAS, Chicago, Illinois
WILLIAM EDGAR MERCEER, Neponset, Illinois
EDMUND ROBERT MEYER, Jr., Palatine, Illinois
ROGER JOHN MODDER, Chicago, Illinois
JAMES SYDNEY MORRIS, Chicago, Illinois
STUART ANDREW MORRIS, Chicago, Illinois
EDWARD JAMES MUDRA, North Riverside, Illinois
ROBERT WILLIAM MUHS, Skokie, Illinois
JOHN HENRY MULHERN, Jr., Chicago, Illinois
ALVIN JOHN MUNSTERTER, Jr., Western Springs, Illinois
HAROLD RICHARD MURPHY, Decatur, Illinois
BERNARD ALOYSIUS NABOROWSKI, Chicago, Illinois
IRA STANLEY NATHAN, Chicago, Illinois
EDWIN JOHN NEMEC, Western Springs, Illinois
THOMAS JAMES NESSINGER, Chicago, Illinois
LOUIS HARLIN NEWTON, Mount Prospect, Illinois
PAUL ARTHUR NORSBERG, Chicago, Illinois
PATRICK MARY O'CONNOR, Chicago, Illinois
ALAN PAUL OLSCHWANG, Chicago, Illinois
EDWARD THOMAS OSSMAN, Des Plaines, Illinois
MICHAEL NEIL OWEN, Park Forest, Illinois
RICHARD FRANKLIN PAGE, Glenview, Illinois
SIMON REED PEARLMAN, Chicago, Illinois
ARTHUR DONALD PERRONE, Jr., Chicago, Illinois
RONALD CARL PETERS, Chicago, Illinois
WILLIAM EDWARD PETERSON, Collinsville, Illinois
FRANK KING PHELPS, Oak Lawn, Illinois
LAWRENCE CHARLES PRAZAK, Riverside, Illinois
IRA L. PRITZKER, Peoria, Illinois
RODNEY ANDREW RAWLS, Chicago, Illinois
ROBERT DALE READY, Riverdale, Illinois
ARTHUR ROBERT REELAND, Chicago, Illinois
JEROME PHILIP REHAT, Chicago, Illinois
ROBERT WILLIAM RENINGER, Niles, Illinois
JEROME FRED RICHMAN, Chicago, Illinois
RICHARD GEORGE ROBERTS, Jr., Chicago, Illinois
RONALD CARL ROBERTSON, Elmhurst, Illinois
THEODORE HEAVENRICH ROBINSON, Chicago, Illinois
JOHN HARRISON SAXTON, Peru, Illinois
MARGARET EVELYN SCHAROW, Bensenville, Illinois
KENNETH IRWIN SCHAEFER, Chicago, Illinois
TERRY MICHAEL SCHLADE, Chicago, Illinois
JERRY LEE SEILER, Urbana, Illinois
PAUL FREDERICK JEFFERSON SELLERS, Orlando, Florida
JERRY ELIUS SELIN, Chicago, Illinois
MYRON DAVID SHAPIRO, Chicago, Illinois
WILLIAM JOSEPH SHARPTIS, Cicero, Illinois
THOMAS EUGENE SHEPHERD, Champaign, Illinois
NICHOLAS CHARLES SHORTINO, Carpentersville, Illinois
ROBERT FLETCHER SHUCK III, Chicago, Illinois
WILLIAM FREDERICK SKEMP, Chicago, Illinois
KENNETH IRA SOLOMON, Chicago, Illinois
ORPHEUS JAVARAS SOPRANOS, Chicago, Illinois
FREDERICK LOUIS SPECHT, Chicago, Illinois
JAMES ARTHUR STARK, Northbrook, Illinois
EDWARD STEGMAN, Aurora, Illinois
MAURICE ALBERT STEINER, Chicago, Illinois
SCOTT FREDERIC STERNFIELD, Chicago, Illinois
GEORGE RICHARD STEVENS, Cicero, Illinois
HARRY EFFINGER STEWART, Champaign, Illinois
ROBERT LEE STONE, Champaign, Illinois
MASON DENNIS SULLIVAN, Oak Park, Illinois
DONALD EDWARD SWARTZ, Naperville, Illinois
DONALD ODEAN TEIGEN, Chicago, Illinois
KENNETH RUSSELL TODD, Jr., Chicago, Illinois
HARRY WING TONG, Chicago, Illinois
DAVID EDWIN TRIMBLE, Brookfield, Illinois
JOE ARDEN TRINE, Urbana, Illinois
RICHARD WAYNE TRUELICK, Chicago, Illinois
GUST SAM VALLAS, Chicago, Illinois
VERL ROBERT VAN DYKE, Forest Park, Illinois
JAMES SUTTON VAN PELT, Jr., Washington, D.C.
The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>WILLIAM PAUL AUSMAN</td>
<td>Lawrenceville, Illinois</td>
<td>Alabama</td>
</tr>
<tr>
<td>MERLIN MURRAY BAILEY</td>
<td>Indianapolis, Indiana</td>
<td>Indiana</td>
</tr>
<tr>
<td>WALTER P. BOYD</td>
<td>Phoenix, Arizona</td>
<td>Arizona</td>
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<tr>
<td>CHARLES VINCENT DOHERTY</td>
<td>Chicago, Illinois</td>
<td>Pennsylvania</td>
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<tr>
<td>EARL WILLIAM DRUEHL</td>
<td>Davenport, Iowa</td>
<td>Iowa</td>
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<tr>
<td>ROBERT EARLE HEARNES</td>
<td>Charleston, Missouri</td>
<td>Missouri</td>
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<tr>
<td>GEORGE FREDERICK HELLER</td>
<td>Wilmette, Illinois</td>
<td>Indiana</td>
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<tr>
<td>PAUL ALLEN HENDRIX</td>
<td>Cape Girardeau, Missouri</td>
<td>Missouri</td>
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<tr>
<td>JOHN ADOLPH NESBIT</td>
<td>Belleville, Illinois</td>
<td>Missouri</td>
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<tr>
<td>BOB R. RITCHHART</td>
<td>Indianapolis, Indiana</td>
<td>Indiana</td>
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<tr>
<td>DONALD MAURICE UREEL</td>
<td>Western Springs, Illinois</td>
<td>Michigan</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Swain, these certificates were awarded.

ADVISORY COMMITTEE FOR THE DIVISION OF UNIVERSITY EXTENSION

(2) The Dean of the Division of University Extension recommends the following appointments to the Division of University Extension Advisory Committee for two years beginning September 1, 1963.

Representatives of the University

Professor Van Miller, College of Education

Professor Phillip Monypenny, Department of Political Science

These appointees replace Professor Harvey W. Huegy, Head, Department of Marketing, and Professor George W. White, Head, Department of Geology, whose terms have expired.

Other representatives of the University on the Committee are: Professor Charles K. Brightbill, Head, Department of Recreation and Municipal Park Administration; Professor Warren F. Doolittle, Jr., Department of Art; and Professor Kenneth J. Trigger, Department of Mechanical and Industrial Engineering.
Non-University Representatives
Curt E. Eckert, Eckerts, Inc., Rural Route 1, Belleville
C. Groeteke, Illinois State Representative, American Federation of State, County, and Municipal Employees, Room 228, United Mine Workers Building, Fourth and Monroe Streets, Springfield
W. G. Young, President, Case Manufacturing Company, Robinson
These appointees replace Russell L. Guin, President, Interstate Printers and Publishers, Inc., Danville; Lloyd McBride, Sub-district Director, United Steel-workers of America, Granite City; and Earl I. Swords, President of Peoria Tractor Company, Peoria, whose terms have expired.
Other non-University representatives are William R. McIntosh, Superintendent, Rockford Public Schools, 201 South Madison Street, Rockford; and Gerald Plank, Director, Department of Personnel, Caterpillar Tractor Company, Joliet.
I concur.
On motion of Mr. Johnston, these appointments were approved.

APPOINTMENTS TO THE FACULTY
(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.
1. Samuel M. Adler, Visiting Professor of Art and Associate Member of the Center for Advanced Study, for four and one-half months from February 1, 1964, at a salary of $7,000.
2. Joseph Agassi, Associate Professor of Philosophy, for three years beginning September 1, 1963, at an annual salary of $11,500.
3. Rene Amon, Assistant Professor of Engineering, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of $7,250.
4. Richard C. Anderson, Research Assistant Professor of Educational Psychology, beginning September 1, 1963, at an annual salary of $10,500.
5. Robert B. Ash, Associate Professor of Electrical Engineering, beginning September 1, 1963, at an annual salary of $10,000.
6. David J. Bordua, Associate Professor of Sociology, beginning March 1, 1964, at an annual salary of $10,500.
7. Esther Louise Brown, Assistant Professor of Home Economics, beginning September 1, 1963, at an annual salary of $10,000.
8. Geoffrey Bruun, Visiting Professor of History and in the Division of General Studies, for the academic year 1963-64, at a salary of $20,000.
9. Alvin G. Burstein, Assistant Professor of Psychology, Department of Psychiatry, College of Medicine, beginning September 1, 1963, at an annual salary of $10,500.
10. John C. Clarke, Assistant Professor of English, beginning September 1, 1963, at an annual salary of $7,300.
11. Augustus I. Dhar, Assistant Professor of Physics, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of $8,600.
12. Martin L. Eichman, Assistant Professor of Pharmacy, beginning September 2, 1963, at an annual salary of $8,600.
13. John J. Gilman, Professor of Physics and of Metallurgy, in the Department of Physics and the Department of Mining, Metallurgy, and Petroleum Engineering, beginning September 1, 1963, at an annual salary of $18,500.
14. Gene S. Gilmore, Assistant Professor of Journalism, beginning September 1, 1963, at an annual salary of $8,200.
15. Frank Goldy, Visiting Professor of Anatomy, College of Medicine, for nine months from September 1, 1963, at a salary of $13,995.
17. John D. Henderson, Visiting Professor of Library Science, Graduate School of Library Science, for the second semester of 1963-64, at a salary of $5,700.
18. Margaret M. Heyman, Assistant Professor in the Jane Addams Graduate School of Social Work, beginning September 1, 1963, on one-fifth time, at an annual salary of $2,000.
19. GEORGE A. HINDS, Professor of Architecture, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of $10,000.

20. HIROHIDE HINOMOTO, Assistant Professor of Industrial Administration, beginning September 1, 1963, at an annual salary of $9,200.

21. PAULT. HOFFMAN, Visiting Associate Professor of German, for the first semester of 1963-64, at a salary of $5,000.

22. JOANNE HOLDEN, Assistant Professor of Nursing, from September 30, 1963, through December 21, 1963, on three-tenths time, at a salary of $900.

23. NICK HOLONYAK, JR., Professor of Electrical Engineering, beginning September 1, 1963, at an annual salary of $15,000.

24. JAMES C. HÖRGER, Visiting Assistant Professor of Educational Psychology, College of Education, for the academic year 1963-64, at a salary of $9,000.

25. JOHN L. HUDSON, Assistant Professor of Chemical Engineering, Department of Chemistry and Chemical Engineering, beginning September 1, 1963, at an annual salary of $7,800.

26. JOAN M. KING, Assistant Professor of Nursing, beginning September 1, 1963, at an annual salary of $9,000.

27. FRANK B. KNIGHT, Visiting Assistant Professor of Mathematics, for one year from September 1, 1963, at a salary of $8,500.

28. JOSEPH R. LARSEN, Jr., Assistant Professor of Entomology, in the Department of Entomology and the Department of Physiology and Biophysics, for two months from July 1, 1963, at a salary of $2,000, and from September 1, 1963, at an annual salary of $9,000.

29. ARNOLD LEARNER, Assistant Professor of Mathematics, beginning September 1, 1963, at an annual salary of $8,500.

30. J. N. LEWIS, Visiting Professor of Agricultural Economics, for one year from September 1, 1963, on one-half time, at a salary of $7,200.

31. HENRY MAYER, Visiting Professor of Political Science, for the second semester of 1963-64, at a salary of $7,000.

32. GUY B. MAXNARD, Jr., Assistant Professor of Hygiene and Staff Physician, in the Health Center and McKinley Hospital, beginning September 1, 1963, at an annual salary of $17,000.

33. VIRGINIA M. OHLSON, Associate Professor of Nursing, beginning September 1, 1963, on one-fifth time, at an annual salary of $2,060; beginning January 1, 1964, on full time, at an annual salary of $10,300.

34. HERSHEL PANKER, Assistant Professor of English, beginning September 1, 1963, at an annual salary of $7,000.

35. PRAMOD PATHAK, Visiting Assistant Professor of Mathematics, for one year from September 1, 1963, at a salary of $8,500.

36. SHELDON J. PLAGER, Visiting Associate Professor of Law, beginning September 1, 1963, at an annual salary of $14,700.

37. RICHARD L. PRAIRIE, Assistant Professor of Biochemistry, Department of Chemistry and Chemical Engineering, beginning September 1, 1963, at an annual salary of $7,400.

38. RONALD A. ROHRER, Assistant Professor in the Department of Electrical Engineering and in the Coordinated Science Laboratory, beginning September 1, 1963, at an annual salary of $8,800.

39. MAHENDAR K. SINGAL, Visiting Assistant Professor of Mathematics, for one year from September 1, 1963, at a salary of $7,000.

40. EDITH D. STANLEY, Research Assistant Professor of Medicine, beginning September 1, 1963, at an annual salary of $9,000.

41. RONALD W. STERKEL, Associate Professor of Art, beginning September 1, 1963, at an annual salary of $9,500.

42. GALEN D. STUCKY, Assistant Professor of Inorganic Chemistry, Department of Chemistry and Chemical Engineering, beginning January 1, 1964, at an annual salary of $7,800.

43. GAI SII TAKEUTI, Visiting Associate Professor of Mathematics, for one year from September 1, 1963, at a salary of $10,000.

44. ANNE E. TRASK, Assistant Professor in the Bureau of Educational Research, beginning September 1, 1963, at an annual salary of $10,650.

45. LEONARD P. ULLMAN, Visiting Associate Professor of Psychology, for one year from September 1, 1963, at a salary of $10,650.
46. Jo Anne Whitaker, Associate Professor of Pediatrics, assigned to the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, for two years from August 16, 1963, at an annual salary of $17,000.

On motion of Mrs. Watkins, these appointments were confirmed.

APPOINTMENT OF STAFF ASSOCIATE IN THE PRESIDENT'S OFFICE
(4) I have approved the appointment of Colonel Clair M. Worthy, U.S.A., Professor and Head of the Department of Military Science, who is retiring from active service in the Army, as Staff Associate in the Office of the President and Associate Director of the Citizens Committee, beginning October 1, 1963, at an annual salary of $7,500 on a twelve-month service basis and request confirmation of this action.

Colonel Worthy will have responsibility for local hospitality to distinguished guests, both from abroad and from other universities in this country. Because of his background and experience, he will be able to deal graciously with important visitors, and will make a real contribution both to saving staff time and to improving our handling of visitors.

In addition, Colonel Worthy will work with the Director of the Citizens Committee in making arrangements for meetings and follow-up activities, as well as handling the event at the time of the meeting.

On motion of Mr. Pogue, this appointment was confirmed.

APPOINTMENT OF ACTING DEAN OF THE GRADUATE COLLEGE
(5) On recommendation of the Executive Committee of the Graduate College, and with the concurrence of the Executive Vice-President and Provost, I have appointed Dr. Herbert E. Carter, Professor of Biochemistry and Head of the Department of Chemistry and Chemical Engineering, as Acting Dean of the Graduate College, beginning September 1, 1963, at an additional salary at an annual rate of $1,000 for this administrative service.

He will succeed Dr. F. T. Wall, who has asked to be relieved of this administrative assignment in order to devote full time to teaching and research.

Confirmation of this action is requested.

On motion of Mr. Swain, this appointment was confirmed.

NONSALARIED FACULTY OF THE COLLEGE OF MEDICINE, 1963-1964
(6) I present the following list of appointments to the nonsalaried faculty of the College of Medicine for the academic year beginning September 1, 1963.

The designation "Rush" in a title is used to identify former members of the Rush Medical College faculty who were taken over by the University in 1941 as part of the affiliation with the former Presbyterian Hospital, now Presbyterian-St. Luke's Hospital, by authority of the Board of Trustees.

The list includes new appointments and reappointments. Professors and Associate Professors who have been on indefinite tenure in the past are being continued in that status. However, all new appointments at, or promotions to, the rank of Associate Professor are for one year (indicated by the symbol "DY"), and subsequent reappointments of such staff members will be on an annual basis.

On motion of Mrs. Watkins, these appointments were approved as listed below.

<table>
<thead>
<tr>
<th>Department</th>
<th>1962-63</th>
<th>1963-64</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>5 (1)*</td>
<td>5 (1)</td>
</tr>
<tr>
<td>Biological Chemistry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermatology</td>
<td>15</td>
<td>13</td>
</tr>
<tr>
<td>Medical Social Work</td>
<td>28 (3)</td>
<td>28 (2)</td>
</tr>
<tr>
<td>Medicine</td>
<td>286 (27)</td>
<td>305 (29)</td>
</tr>
<tr>
<td>Microbiology</td>
<td>5 (1)</td>
<td>6</td>
</tr>
<tr>
<td>Neurology and Neurological Surgery</td>
<td>11 (1)</td>
<td>17 (1)</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>97 (2)</td>
<td>100 (4)</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>50 (4)</td>
<td>56 (4)</td>
</tr>
</tbody>
</table>

* The figures in parentheses indicate the number of emeritus members.
Department | 1962-63 | 1963-64
--- | --- | ---
Orthopaedic Surgery | 27 (2) | 30 (2)
Otolaryngology | 69 (8) | 74 (9)
Pathology | 40 (2) | 46 (2)
Pediatrics | 78 (7) | 85 (5)
Pharmacology | 3 | 3
Physical Medicine and Rehabilitation | 5 | 4
Physiology | 2 (1) | 2 (1)
Preventive Medicine | 11 (1) | 11 (1)
Psychiatry | 124 (2) | 136 (2)
Public Health | 7 | 6
Radiology | 30 (1) | 25 (1)
Surgery (including Urology and Anesthesiology) | 221 (11) | 233 (13)
Total | 116 (74) | 189 (77)

Anatomy

GUSTAVE L. ZECHEL, Lecturer with the rank of Associate Professor, Emeritus
PHILIP CASELLA, Clinical Assistant Professor
ARTHUR F. CIFOLLA, Clinical Assistant Professor
FRANK A. VICARI, Clinical Assistant Professor
DWIGHT D. DAVIS, Lecturer

Biological Chemistry

MAX K. HORWITT, Professor
MAX E. RAEFELSON, JR., Professor
HERMANN G. MATTENHEIMER, Associate Professor (DY)¹
RICHARD D. COLEMAN, Assistant Professor
ALVIN DUBIN, Assistant Professor
CLARENCE F. DECKER, Assistant Professor
ALVIN J. GLASKY, Assistant Professor
JAMES A. HAYASHI, Assistant Professor
TOHRU INOUE, Assistant Professor
CHARLES F. LANGE, Assistant Professor
JOSEPH SAMACHSON, Assistant Professor
HOWARD H. SKY-PECK, Assistant Professor
HYOOG SINOHARA, Research Associate

Dermatology

LEONARD F. WEBER, Clinical Professor, Emeritus
CLARK W. FINNERUD, Clinical Associate Professor (Rush), Emeritus
ALFRED B. FALK, Clinical Associate Professor
PAUL R. GRIFFITH, Clinical Associate Professor
JOHN B. HAEBERLIN, Clinical Associate Professor
IRENE NEUMAUSER, Clinical Associate Professor
MILTON ROBIN, Clinical Associate Professor
ALBERT H. SLEPYAN, Clinical Associate Professor
SIDNEY BARSKY, Clinical Associate Professor (DY)
SAMUEL W. BECKER, JR., Clinical Associate Professor (DY)
STEFAN BIELINSKI, Clinical Assistant Professor
IRVING H. DISTELHEIM, Clinical Assistant Professor
ALLEN S. PEARL, JR., Clinical Assistant Professor
LOUIS RUBIN, Clinical Assistant Professor
EDWIN M. SMITH, Clinical Assistant Professor

¹ The symbol DY indicates the appointment for one year from September 1, 1963, on a twelve-month service basis, and is used here to designate those who are being appointed to the rank of Associate Professor for one year only. Where the symbol DY does not appear, the appointment of a Professor or an Associate Professor is on indefinite tenure.

² Also Resident at Presbyterian-St. Luke's Hospital.
³ Also Resident at Research and Educational Hospitals.
⁴ Also Resident at Hines Veterans Administration Hospital.
⁵ Also Resident at Research and Educational Hospitals and Illinois Eye and Ear Infirmary.
⁶ Also Resident at Research and Educational Hospitals, assigned to the Institute for Juvenile Research.
⁷ Also Resident at Cook County Hospital.
BOARD OF TRUSTEES

BERNARD YAFFE, Clinical Assistant Professor
IRMA ALESHEIRE, Clinical Instructor
CHESTER L. KROLL, Clinical Instructor
JOHN D. MCGRAE, Jr., Clinical Instructor (fourteen months from July 1, 1963)
HAROLD M. SPINKA, Clinical Instructor
SEYMOUR WEINSTEIN, Clinical Instructor
BRUCE B. BURGESS, Assistant
SYDNEY A. DIAMOND, Assistant
HARVEY J. FAGELSON, Assistant (one year from July 1, 1963)
JACK M. FOX, Assistant
RAYMOND M. HANDLER, Assistant
WILFRED L. SCHERER, Clinical Assistant
JOSEPH R. SHANNON, Assistant (eleven months from August 1, 1963)

Medical Social Work

NANCY V. GILSON, Assistant Professor
DOROTHY N. MURPHY, Assistant Professor
RENEE E. HACK, Instructor
LOIS A. MCPADDEN, Instructor

Medicine

WALTER C. ALVAREZ, Lecturer in Medicine with rank of Professor, Emeritus
AARON ARKIN, Clinical Professor (Rush), Emeritus
JAMES B. EVERLY, Clinical Professor (Rush), Emeritus
LOUIS FELDMAN, Clinical Professor, Emeritus
MORRIS FISHELBEIN, Lecturer in Medicine with rank of Professor (Rush), Emeritus
ELLIS B. FREILICH, Clinical Professor, Emeritus
WILLIAM H. HIBBS, Clinical Professor (Rush), Emeritus
FRANK B. KELLY, Clinical Professor (Rush), Emeritus
WILBUR E. POST, Clinical Professor (Rush), Emeritus
SIDNEY STRAUSS, Clinical Professor, Emeritus
WILLIAM A. THOMAS, Clinical Professor (Rush), Emeritus
ALBERT VANDERKLOOT, Clinical Professor, Emeritus
WILLARD L. WOOD, Clinical Professor (Rush), Emeritus
EVAN M. BARTON, Clinical Professor (Rush)
JAMES A. CAMPBELL, Professor
RICHARD B. CAPPS, Clinical Professor
PAUL Heller, Professor
HAROLD C. LUETH, Clinical Professor
KARL H. PFUETZE, Clinical Professor
THEODORE B. SCHWARTZ, Professor
GEORGE W. STUPPY, Clinical Professor (Rush)
BENJAMIN GOLDBERG, Clinical Associate Professor, Emeritus
ALVA A. KNIGHT, Clinical Associate Professor (Rush), Emeritus
FRANK B. LUSK, Clinical Associate Professor, Emeritus
SAMUEL PERLSTEIN, Clinical Associate Professor, Emeritus
HOWARD M. SHEAFF, Clinical Associate Professor (Rush), Emeritus
EUGENE F. TRAUT, Clinical Associate Professor (Rush), Emeritus
RALPH W. TRIMMER, Clinical Associate Professor (Rush), Emeritus
HOWARD WAKEFIELD, Clinical Associate Professor, Emeritus
MELVIN L. AFREMOW, Clinical Associate Professor
ARTHUR BERNSTEIN, Clinical Associate Professor
HERBERT C. BREUHaus, Clinical Associate Professor (Rush)
GEORGE V. BYFIELD, Clinical Associate Professor
THOMAS J. COOGAN, Clinical Associate Professor
JACOB W. FISCHER, Clinical Associate Professor
MURRAY FRANKLIN, Clinical Associate Professor
JOHN S. GRAETTINGER, Associate Professor
EARLE GRAY, Clinical Associate Professor (Rush)
EDWIN N. IRONS, Clinical Associate Professor
ROBERT O. LEVITT, Clinical Associate Professor
MEYER R. LICHTENSTEIN, Clinical Associate Professor
ARMAND LITTMAN, Associate Professor
CLAYTON J. LUNDY, Clinical Associate Professor (Rush)
J. CHARLES McMILLAN, Jr., Clinical Associate Professor
MILTON M. MOSKO, Clinical Associate Professor
JEROME T. PAUL, Clinical Associate Professor
ISAAC PILOT, Clinical Associate Professor
THEODORE Z. POLLEY, Clinical Associate Professor
EUGENE J. RANKE, Clinical Associate Professor
SAMUEL H. ROSENBLUM, Clinical Associate Professor
WILLIAM SAPHIR, Clinical Associate Professor
ARMIN F. SCHICK, Clinical Associate Professor (Rush)
JAMES A. SCHOENBERGER, Clinical Associate Professor
MITCHELL A. SPELLBERG, Clinical Associate Professor
IRVING E. STECK, Clinical Associate Professor
FRANKE TROBAUGH, JR., Associate Professor
MAX BERG, Clinical Associate Professor (DY)
LIONEL M. BERNSTEIN, Associate Professor (DY)
GEORGE H. BERRYMAN, Clinical Associate Professor (DY)
ANGELO P. CRETICOS, Clinical Associate Professor (DY)
AARON GUNThER, Clinical Associate Professor (DY)
WILLIAM J. HAND, Clinical Associate Professor (DY)
JANET R. KINNEY, Clinical Associate Professor (DY)
SHELDON E. KRASNOW, Clinical Associate Professor (DY)
JULES H. LAST, Clinical Associate Professor (DY)
BERTRAM G. NELson, Clinical Associate Professor (Rush) (DY)
LAWRENCE PERLMAN, Clinical Associate Professor (DY)
ROBERT M. POSKE, Clinical Associate Professor (DY)
MARJORIE M. PYLE, Clinical Associate Professor (DY)
PAUL MAVENNA, Clinical Associate Professor (DY)
PAUL J. SANAZARO, Clinical Associate Professor (DY)
JOHN T. SHARP, Clinical Associate Professor (DY)
GRAHAM A. VANCE, Clinical Associate Professor (DY)
GERALD A. WILLIAMS, Clinical Associate Professor (DY)
LEO E. AMTMAN, Clinical Assistant Professor, Emeritus
JOHN A. GARDINER, Clinical Assistant Professor (Rush), Emeritus
BENJAMIN H. HILKEVITCH, Clinical Assistant Professor (Rush), Emeritus
GRANT H. LAING, Clinical Assistant Professor, Emeritus
OSMUND H. AKRE, Clinical Assistant Professor
DAVID BALDWIN, Clinical Assistant Professor
ROBERT J. BECKER, Clinical Assistant Professor
HERBERT E. BESsINGER, Clinical Assistant Professor
ALBIN M. BRIEYE, JR., Clinical Assistant Professor
RALPH G. BROWN, Clinical Assistant Professor
RICHARD A. CARLETON, Assistant Professor
CHESTER COGGESHALL, Clinical Assistant Professor
NICHOLAS V. COSTEA, Assistant Professor (fourteen months from July 1, 1963)
JOHN A. DETWEILER, Clinical Assistant Professor
HENRY D. DEYOUNg, Clinical Assistant Professor
MICHAEL M. DIGILIO, Clinical Assistant Professor
DEAN F. DIMICK, Clinical Assistant Professor
PETER J. FARAGO, Clinical Assistant Professor
ROBERT E. FELIX, Clinical Assistant Professor
BENUM W. FOX, Clinical Assistant Professor
DONALD T. FOXWORTHY, Clinical Assistant Professor
SANFORD A. FRANZBLAUS, Clinical Assistant Professor
ROBERT C. FRUIN, Clinical Assistant Professor
RAYMOND M. GALT, Clinical Assistant Professor
MORTON A. GOLDMANN, Clinical Assistant Professor
BUFORD HALL, Clinical Assistant Professor
HARRY L. HUNTER, Clinical Assistant Professor
FRANK W. JONES, Clinical Assistant Professor
PHILIP N. JONES, Clinical Assistant Professor
BENJAMIN M. KAPLAN, Clinical Assistant Professor
ERVIN KAPLAN, Clinical Assistant Professor
BOARD OF TRUSTEES

Roland L. Kesler, Clinical Assistant Professor (Rush)
Wallace W. Kirkland, Jr., Clinical Assistant Professor
Seymour Kopman, Assistant Professor
Charles H. Lawrence, Clinical Assistant Professor
Bruce D. Lee, Clinical Assistant Professor
Jerome S. Mielman, Clinical Assistant Professor
Morgan M. Meyer, Clinical Assistant Professor
Thomas Morrison, Clinical Assistant Professor
Robert C. Muehrcke, Clinical Assistant Professor
Joseph J. Muenster, Jr., Assistant Professor
John R. Necheles, Clinical Assistant Professor
Joseph R. Nora, Clinical Assistant Professor
John Post, Clinical Assistant Professor (Rush)
Oldrich Prec, Clinical Assistant Professor
Sophie J. Presley, Clinical Assistant Professor
Alexander N. Ruggie, Clinical Assistant Professor
Seymour R. Salberg, Clinical Assistant Professor
Anthony R. Sapienza, Clinical Assistant Professor
Harold Schoolman, Clinical Assistant Professor
Harold A. Shafter, Clinical Assistant Professor
Robert E. Slayton, Clinical Assistant Professor
Donald W. Tarun, Clinical Assistant Professor
Andrew Thomson, Assistant Professor
Angelo Toigo, Clinical Assistant Professor
Seymour W. Weisberg, Clinical Assistant Professor
Edward J. Wiss, Clinical Assistant Professor
Alexander Wolf, Clinical Assistant Professor
Charles K. Wolfe, Jr., Clinical Assistant Professor
Simon Zivin, Clinical Assistant Professor
Hugo O. Deus, Lecturer
William S. Hoffman, Lecturer
Herman A. Levy, Lecturer
Oglesby Paul, Lecturer
Alfred H. Rosenblum, Lecturer
Frederick Sargent, II, Lecturer
Elizabeth K. Straus, Lecturer (Rush)
John H. Talbott, Lecturer
Luke J. Grimelli, Clinical Associate, Emeritus
Eugene Grosz, Clinical Associate, Emeritus
Robert N. Heiges, Clinical Associate, Emeritus
J. Lisle Williams, Associate, Emeritus
Frank C. Carter, Clinical Associate
John L. Cirzan, Clinical Associate
G. William Cotts, Clinical Associate
Joseph A. Davis, Clinical Associate
George A. Dejong, Clinical Associate
Ramon H. Garcia-Camilo, Research Associate (one year from July 1, 1963)
Carl A. Hedblom, Jr., Clinical Associate
Robert L. Herting, Clinical Associate
William H. Highstone, Clinical Associate
Walter F. Hoeppner, Clinical Associate
Nathan J. Iglitzen, Clinical Associate
Louis C. Johnston, Clinical Associate
Irene G. Kaganiec, Clinical Associate
William J. Kirby, Clinical Associate (Rush)
Eugene S. Krasnow, Clinical Associate
Sydney Kopman, Clinical Associate
Audley R. Mamby, Clinical Associate
Wayne E. Mathy, Clinical Associate
Samuel Matlin, Clinical Associate
Peter S. Mayer, Clinical Associate
Paul A. Meredith, Clinical Associate
Clark A. Montgomery, Clinical Associate
Bill P. Maduro, Clinical Associate
DONALD E. O'BRIEN, Clinical Associate
JOSHUA ODEN, JR., Clinical Associate
GLOUCESTER A. PRICE, JR., Clinical Associate
ANITA ROBBINS, Clinical Associate
RIGBY C. ROSEKELLEY, Clinical Associate
RALPH A. SCALA, Clinical Associate
JEROME F. STRAUSS, JR., Clinical Associate
KASSRIEL TAUSK, Clinical Associate
RAYMOND TLPLITZ, Clinical Associate
CHESTER B. THRIFT, Clinical Associate
CHARLES S. VIL, Clinical Associate
EARL A. VONDRASEK, Clinical Associate
JAMES R. ZVETINA, Clinical Associate
EARL T. ANDERSON, Instructor (one year from July 1, 1963)
ALAN R. ARONSON, Clinical Instructor
FRANKO. BECKER, Clinical Instructor (fourteen months from July 1, 1963)
SAMUEL BERGER, Clinical Instructor
BERNARD B. BLAAUW, JR., Instructor (one year from July 1, 1963)
WILLIAM V. BLAZER, Instructor (on leave of absence for military service) (four
teen months from July 1, 1963)
JEB BOSWELL, Clinical Instructor (two months from July 1, 1963)
ALLEN F. BOWYER, Instructor (one year from July 1, 1963)
ROBERT W. BOXER, Clinical Instructor
JOSEPH T. BRANIT, Clinical Instructor
WILLIAM C. BROWN, Clinical Instructor
MILDA BUDRYS, Clinical Instructor
RAMON E. CASAS, Clinical Instructor
JAMES G. CLARK, Instructor (one year from July 1, 1963)
WILLIAM CLAY, Clinical Instructor
THOMAS D. DALE, Clinical Instructor
ROBERT E. DEEMON, Instructor (one year from July 1, 1963) (also in Micro-
biology)
LOUIS E. DONOANVILLE, Clinical Instructor
NORRIS R. DOUGHERTY, Clinical Instructor
PETER G. ECONOMOU, Instructor
ADOLFO A. FERNANDEZ, Clinical Instructor
WILLIAM E. FISHERMAN, Clinical Instructor
GEORGE C. FLANAGAN, Instructor
RICHARD P. FOTH, Clinical Instructor
RONALD E. FOX, Clinical Instructor
WILLIAM I. FREUD, Clinical Instructor
RAIMONDS G. GAILITIS, Clinical Instructor
WILLIAM R. GARR, Clinical Instructor
WILLIAM M. HAMBY, Clinical Instructor
PAUL K. HANASHIRO, Instructor (one year from July 1, 1963)
DONALD H. HANSCOM, Clinical Instructor
ROBERT N. HEDGES, JR., Clinical Instructor
JOHN P. HENRY, Clinical Instructor
ALBERT W. HOLMES, JR., Instructor (one year from July 1, 1963) (also in Micro-
biology)
MOHAMMAD INAYATULLAH, Instructor (one year from July 1, 1963)
MEILUTE A. INGREIKA, Clinical Instructor
RODNEY A. JAMIESON, Clinical Instructor
HAROLD L. JENSEN, Clinical Instructor
JOHN C. JONES, Clinical Instructor
ROBERT S. KASSRIEL, Clinical Instructor
FRANK B. KELLY, JR., Clinical Instructor
WILLIAM J. KRISTY, Clinical Instructor
JERRY P. LEWIS, Instructor (one year from July 1, 1963)
JOSEPH LIRNOCH, Clinical Instructor
THOMAS B. LONGABAUGH, Clinical Instructor
JAMES C. LOWE, II, Instructor (one year from July 1, 1963)
GORDAN D. LUCAS, Instructor (one year from July 1, 1963)
BOARD OF TRUSTEES

PATRICIA A. MCCLURE, Clinical Instructor
JULIA MARIS, Clinical Instructor
VIVIEN E. MENDIS, Clinical Instructor
CHARLES W. METCALF, Clinical Instructor
EDWIN B. MILLER, Clinical Instructor
RICHARD H. NEAL, Clinical Instructor
GEORGE A. NELSON, Jr., Instructor (one year from July 1, 1963)
ERNEST E. NEUSTÄDT, Clinical Instructor
JULIUS S. NEWMAN, Clinical Instructor
LEONARD OHRINGER, Clinical Instructor
CHARLES P. PERLA, Instructor
GEORGE T. PERRY, Clinical Instructor
WILLIAM H. PHELPS, Clinical Instructor
PETER PULOS, Clinical Instructor
ELIZABETH F. RUBEN, Instructor (one year from July 1, 1963)
MARTIN S. ROSENBERG, Instructor (fourteen months from July 1, 1963)
DEAN A. ROSE, Clinical Instructor
JAMES A. ROSE, Clinical Instructor
BOHUMIL A. SAM, Instructor (one year from July 1, 1963)
BRUCE J. SAVILLE, Instructor (one year from July 1, 1963)
GEORGE S. SCHOLLY, Instructor (one year from July 1, 1963)
ROGER R. SCHUESSLER, Clinical Instructor
WILLIAM K. SCHUPHAN, Clinical Instructor
VITOLO R. SILINS, Instructor
JOSEPH R. SIMON, Instructor (one year from July 1, 1963)
MARSHALL J. SNAPP, Clinical Instructor
WILLIAM R. STARR, Clinical Instructor
HARRY B. STONE, Clinical Instructor
MARILYN S. TARZYNski, Clinical Instructor
JOAN H. TAUMAN, Clinical Instructor
W. RANDOLPH TUCKER, Instructor (one year from July 1, 1963)
ALSTON C. TWISS, Clinical Instructor
RUSSELL J. VASTINE, JR., Clinical Instructor
PAUL L. WINTER, Clinical Instructor
RICHARD W. ZALAR, Clinical Instructor
DONALD W. AARONSON, Clinical Assistant
ARTHUR L. ABBOTT, Assistant (one year from July 1, 1963)
ARTHUR J. ANDERSON, Assistant (one year from July 1, 1963)
ALLAN B. CADY, Clinical Assistant
JOSEPH C. CHISHOLM, Jr., Assistant (one year from July 1, 1963)
THOMAS J. COOGAN, Jr., Assistant (one year from July 1, 1963)
DAVID H. COKER, Assistant (one year from July 1, 1963)
MARGARET DEANZELI, Assistant (one year from July 1, 1963)
JOSEPH S. GONNELLA, Assistant (one year from July 1, 1963)
NANCY J. GUINNESS, Assistant (one year from July 1, 1963)
BURT B. HAMRELL, Assistant (one year from July 1, 1963)
LEONARD J. HERTZ, Assistant (one year from July 1, 1963)
CHARLES J. HORKY, Jr., Assistant (one year from July 1, 1963)
RODERIC S. HUBER, Clinical Assistant
THOMAS M. KILBRIDGE, Assistant (one year from July 1, 1963)
CHARLES W. KOLYUM, Assistant (one year from July 1, 1963)
LEONARD A. KOZOV, Clinical Assistant
REYNOLD T. LARSEN, Assistant (one year from July 1, 1963)
ROBERT D. LEASURE, Assistant (one year from July 1, 1963)
JAMES LUMEN, Assistant (one year from July 1, 1963)
ALBERT F. NIBBE, Assistant (one year from July 1, 1963)
DIEGO NORENA, Research Assistant (one year from July 1, 1963)
LOIS F. O'GRADY, Assistant (one year from July 1, 1963)
ROSS G. OLSON, Assistant (eight and one-half months from October 12, 1963)
LUCIA T. F. PAP, Clinical Assistant
DONALD E. RAGER, Assistant (one year from July 1, 1963)
NORMAN W. REAM, Assistant (one year from July 1, 1963)
JOHN W. RILEY, III, Assistant (one year from July 1, 1963)
ARTHUR E. SAVITT, Clinical Assistant
JOHN A. SABBARO, Assistant (one year from July 1, 1963)
COLEMAN R. SESKIND, Assistant (one year from July 1, 1963)
STANLEY S. SHIMOBA, Assistant (one year from July 1, 1963)
ALAN J. SORSCHER, Clinical Assistant
LYNNE L. STETTBAECHER, Research Assistant (one year from July 1, 1963)
ARMANDO SUSMANO, Research Assistant (one year from July 1, 1963)
LUCIA R. TORRIENTE, Clinical Assistant
PARK W. WAGERS, Assistant (one year from July 1, 1963)
JORDAN D. WAXMAN, Assistant (one year from July 1, 1963)
ISAAC WEISZER, Assistant (eight months from November 5, 1963)
HOWARD G. WILCOX, Assistant (one year from July 1, 1963)
RAYMOND L. Yockey, Clinical Assistant
EDMUND M. ZIOLOWSKI, Clinical Assistant

Microbiology
FRIEDRICH W. DEINHARDT, Associate Professor
RALPH H. HUBBLE, Lecturer
ROBERT E. DEDMON, Instructor (one year from July 1, 1963) (also in Medicine)
ALBERT W. HOLMES, JR., Instructor (one year from July 1, 1963) (also in Medicine)
WILLIAM LANDAU, Instructor
ELTA W. KNOLL, Assistant, Emeritus

Neurology and Neurological Surgery
LOREN W. AVERY, Clinical Professor (Rush), Emeritus
HAROLD C. VORIS, Clinical Professor (DY)
ARTHUR ARNOLD, Clinical Assistant Professor
JACK DROPH, Clinical Assistant Professor
VIRGINIA R. SORUM, Clinical Associate
NATHAN ZOLT, Clinical Associate
RICHARD O. BURNS, Jr., Clinical Instructor
ELI TOBIAS, Clinical Instructor
BELISARIO ARIAS, Assistant
ROBERT BEATTY, Assistant (one year from July 1, 1963)
THOMAS E. BRACKETT, Assistant (one year from July 1, 1963)
CHARLES A. HOPKINS, Assistant
JOHN L. HUBBARD, Assistant
JOHN A. JANE, Assistant
RONALD A. PAWL, Assistant (one year from July 1, 1963)
WALTER WHISLER, Assistant
DAVID YASHON, Assistant

Obstetrics and Gynecology
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EUGENE A. EDWARDS, Clinical Professor, Emeritus
HARRY BOYSEN, Clinical Professor (Rush)
ARTHUR H. KLAWS, Clinical Professor (Rush)
ABRAHAM F. LASH, Clinical Professor
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JAMES P. FITZGIBBONS, Clinical Associate Professor
ALFRED J. KOBACK, Clinical Associate Professor
RICHARD A. LIFVENDAL, Clinical Associate Professor
FRED O. PRIEST, Clinical Associate Professor (Rush)
GEORGE H. REZEL, Clinical Associate Professor
HARRY K. WADDINGTON, Clinical Associate Professor
JOHN R. WOLFF, Clinical Associate Professor
DEANE M. FARLEY, Clinical Associate Professor (DY)
JOHN P. HARBORD, Jr., Clinical Associate Professor (DY)
ARMAND J. MAZURY, Clinical Associate Professor (DY)
ALFONS R. BACON, Clinical Assistant Professor, Emeritus
HARRY SERED, Clinical Assistant Professor, Emeritus
HUGO C. BAUM, Clinical Assistant Professor (Rush)
ROBERT A. BEEBE, Clinical Assistant Professor
SOL J. BENENSOHN, Clinical Assistant Professor
MICHAEL H. Boley, Clinical Assistant Professor
CLAIR M. CAREY, Clinical Assistant Professor
ALLAN G. CHARLES, Clinical Assistant Professor
PETER J. CHER, Clinical Assistant Professor
SOL T. DELZ, Clinical Assistant Professor
VINCENT S. DIGULIO, Clinical Assistant Professor
CECIL DRAA, Clinical Assistant Professor (Rush)
GEORGE C. FINOLA, Clinical Assistant Professor
WILLIAM F. GIRTMANN, Clinical Assistant Professor
RALPH L. GIBSON, Clinical Assistant Professor
ROBERT J. GLENNER, Clinical Assistant Professor
CHARLES J. HEIBERGER, Clinical Assistant Professor
BERNARD M. KAYE, Clinical Assistant Professor
CHARLES D. KRAUSE, Clinical Assistant Professor
VINCENT A. LAVIERE, Clinical Assistant Professor
ROCCO V. LORBAICO, Clinical Assistant Professor
JOHN S. LONG, Clinical Assistant Professor
WILLIAM J. MARSHALL, Clinical Assistant Professor
WILLIAM S. MILLER, Clinical Assistant Professor
JOHN W. PAYNE, Clinical Assistant Professor
GEORGE PEPPER, Clinical Assistant Professor
LOWELL F. PETERSON, Clinical Assistant Professor
MICHAEL P. PILL, Clinical Assistant Professor
FREDERICK J. ROOS, Clinical Assistant Professor
MEYER D. RUTGARD, Clinical Assistant Professor
JOSEPH B. TETON, Clinical Assistant Professor
VASIL TRUCHLY, Clinical Assistant Professor
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JOSEPH S. ANGELL, Clinical Instructor
JOHN F. BARTELS, Clinical Instructor
DONALD M. FAHRENBAUM, Clinical Instructor
EDWIN L. FALLOON, Clinical Instructor
EARL S. FULLER, Instructor (one year from July 1, 1963)*
WILLIAM M. GARDNER, Instructor (one year from July 1, 1963)*
THOMAS HEJNA, Instructor (one year from July 1, 1963)
JOHN R. KOSTELNY, Clinical Instructor
LAWRENCE LEVINE, Clinical Instructor
JOSEPH J. MULLEN, Clinical Instructor
EDWIN E. NYMAN, Clinical Instructor
GABRIEL A. RODRIGUEZ, Clinical Instructor (fourteen months from July 1, 1963)
MARVIN A. ROSNER, Clinical Instructor
EUGENE D. ROTHENBERG, Instructor (one year from July 1, 1963)*
JACK A. SAMSON, Clinical Instructor
IRVING SHIPKOWITZ, Instructor (one year from July 1, 1963)*
ROBERT G. STONE, Clinical Instructor
LAWRENCE J. SYKORA, Clinical Instructor
EDGAR B. SYLVESTER, Clinical Instructor
NATHAN TOLWINSKY, Clinical Instructor
NANCY C. TREADWELL, Clinical Instructor
GEORGE P. VLASIS, Clinical Instructor
LAVERNE M. WALKIESE, Clinical Instructor
ALVIN F. WIERMSMANN, Clinical Instructor
JOHN A. AIMONE, Clinical Assistant
DERALD E. BRACKMANN, Assistant (one year from July 1, 1963)*
JOSEPH H. CLEVENGER, JR., Assistant (one year from July 1, 1963)*
DELOS R. COZAD, Clinical Assistant
WILLIAM H. DONOVAN, JR., Clinical Assistant
FREDERICK M. GAWECKI, Assistant (one year from July 1, 1963)*
TERRENCE C. HANSEN, Assistant (one year from July 1, 1963)*
MARIO A. IRIGOYEN, Clinical Assistant
ELMER J. JUSTEMA, Clinical Assistant
SIDNEY C. KAHN, Clinical Assistant
ANTHONY N. KENWICK, Clinical Assistant
JOHN H. MATTOX, Assistant (one year from July 1, 1963)*
ROBERT H. OBERHELMAN, Clinical Assistant
ADRIAN R. OLECK, Clinical Assistant
ROBERT P. OLSON, Assistant (one year from July 1, 1963)*
RICHARD G. PATTERSON, Assistant (one year from July 1, 1963)*
BERNARD E. RUDER, Assistant (one year from July 1, 1963)*
PETER D. SCALZITTI, Assistant (one year from July 1, 1963)*
KENNETH M. SUSSMAN, Assistant (one year from July 1, 1963)*
TOSHIRO TATEIWA, Assistant (one year from July 1, 1963)*

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CARL APPLE, Clinical Associate Professor, Emeritus
EARLE B. FOWLER, Clinical Associate Professor (Rush), Emeritus
GEORGIANA D. THEOBALD, Clinical Associate Professor and Clinical Pathologist, Emerita
JOSEPH S. HAAS, Clinical Associate Professor
DANIEL SNYDACKER, Clinical Associate Professor
THEODORE N. ZEKMAN, Clinical Associate Professor
ROBERT R. HERBST, Clinical Assistant Professor
GILBERT ISER, Clinical Assistant Professor
BURTON M. KRAMMER, Clinical Assistant Professor
DAVID B. MAHER, Clinical Assistant Professor
H. ISABELLE MCGARRY, Clinical Assistant Professor
VALDO P. OLEARI, Clinical Assistant Professor
EDWARD A. PUSHKIN, Clinical Assistant Professor
BURTON A. RUSSMAN, Clinical Assistant Professor
SAMPL. M. SCHALL, Clinical Assistant Professor
KARL. J. SCHERIBEL, Clinical Assistant Professor (Rush)
MANUEL L. STILLERMAN, Clinical Assistant Professor
JOSEPH TATAR, Clinical Assistant Professor
KARL E. TICHIO, Clinical Assistant Professor
MORTON J. URIST, Clinical Assistant Professor
HOWARD L. WILDER, Assistant Professor
VERNON M. LEECH, Clinical Associate (Rush), Emeritus
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MICHAEL E. CARROLL, Clinical Associate
VIVIAN A. CATION, Clinical Associate
WILLIAM E. DEUTSCH, Clinical Associate
LEONA R. FORDON, Clinical Associate
ALIDONA A. JUSKA, Clinical Associate
ARTHUR LIGHT, Clinical Associate
JUDITH V. PERRY, Clinical Associate
BARBARA SPIRO, Clinical Associate
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JACK TRESLEY, Clinical Associate
SHERWIN A. FOX, Clinical Instructor
ERNST J. HOLLAND, Clinical Instructor
NORBERT J. NOWICKI, Clinical Instructor
DAVID C. WHITSHELL, Clinical Instructor
PAUL S. YOCUM, Clinical Instructor
MOH'D A. ASGAR, Assistant (one year from July 1, 1963)*
MICHAEL BELSON, Assistant (one year from July 1, 1963)*
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Richard Ey, Assistant (one year from July 1, 1963)
Carl Garfinkle, Assistant (one year from July 1, 1963)
Emil P. Grabow, Assistant (one year from July 1, 1963)
Donald R. Jorgensen, Assistant (one year from July 1, 1963)
Theodore Lawwill, Assistant (one year from July 1, 1963)
David S. McDaniel, Assistant (six months from July 1, 1963)
Frank I. Mendelblatt, Assistant (one year from July 1, 1963)
Hans J. Renpenning, Assistant (one year from July 1, 1963)
Allen K. Rice, Assistant (one year from July 1, 1963)
Leo J. Roberts, Assistant (one year from July 1, 1963)
Phillip I. Rossmann, Assistant (one year from July 1, 1963)
Bernard Slatt, Assistant (one year from July 1, 1963)
Albert Vaiser, Assistant (one year from July 1, 1963)

Orthopaedic Surgery

Frank G. Murphy, Clinical Associate Professor, Emeritus
Carlo S. Scuderi, Clinical Associate Professor in Orthopaedics
Fred Shapiro, Clinical Associate Professor (Rush)
Horace E. Turner, Clinical Assistant Professor, Emeritus
William A. Marshall, Clinical Assistant Professor
Robert P. Meaney, Clinical Assistant Professor
Leo F. Miller, Clinical Assistant Professor
Raymond J. Pellicore, Clinical Assistant Professor
Donald Ross, Clinical Assistant Professor
Tawfik Y. Sabet, Research Associate
Karl H. Muehler, Research Associate
James F. Ahstrom, Clinical Instructor
Kamez Aquad, Instructor (one year from July 1, 1963)
Ronald L. DeWald, Instructor (on leave of absence for military service)
Jorge O. Galante, Instructor (one year from July 1, 1963)
Charles E. Gavin, Clinical Instructor
Robert C. Hamilton, Clinical Instructor
William A. Hark, Clinical Instructor
William F. Hejna, Clinical Instructor
Robert V. Johnson, Instructor (one year from July 1, 1963)
William H. Newman, Clinical Instructor
Clifford O. Nyman, Clinical Instructor
Walter R. Petersen, Clinical Instructor
James P. Zettas, Clinical Instructor
Virginia M. Badger, Assistant
Rsid Barnada, Assistant
Don A. Fischer, Assistant (one year from July 1, 1963)
Thomas W. McNeill, Assistant (one year from July 1, 1963)
Robert J. Rothman, Assistant
Jules Shapira, Assistant

Otolaryngology

Daniel B. Hayden, Clinical Professor (Rush), Emeritus
Abraham R. Hollender, Professor, Emeritus
Walter H. Theobald, Clinical Professor, Emeritus
Oliver E. VanAlstyne, Clinical Professor, Emeritus
Albert H. Andrews, Jr, Clinical Professor of Bronchoesophagology
George J. Becker, Clinical Professor
Stanton A. Friedberg, Clinical Professor
G. Kenneth Lewis, Clinical Professor
George S. Livingston, Clinical Associate Professor, Emeritus
Samuel M. Morwitz, Clinical Associate Professor, Emeritus
Richard W. Watkins, Clinical Associate Professor, Emeritus
Walter W. Dalitsch, Clinical Associate Professor
Robert B. Lewy, Clinical Associate Professor
Maurice F. Smitman, Clinical Associate Professor
Linden J. Walner, Clinical Associate Professor (Rush)
Louis Savitt, Clinical Associate Professor, Emeritus
HELMUT BLUMENTHAL, Clinical Assistant Professor
EDWARD L. CHAINSKI, Clinical Assistant Professor
ARTHUR J. COOMBS, Clinical Assistant Professor
ELMER A. FRIEDMAN, Clinical Assistant Professor
LOIS D. GREENE, Clinical Assistant Professor
RICHARD E. MARCUS, Clinical Assistant Professor
ARTHUR L. RATKO, Clinical Assistant Professor
LEO A. SATZ, Clinical Assistant Professor
JOHN A. WEIDEMANN, Clinical Assistant Professor
WILLIAM A. SMILEY, Clinical Associate, Emeritus
I. ERLIN BARTLETT, Clinical Associate
BRUNO BLUMKLOTZ, Clinical Associate
DAVID O. DAVE, Clinical Associate
JOSEPH GYORKEY, Clinical Associate
ANDREW G. KOBIRO, Clinical Associate
ROLAND A. KOWAL, Clinical Associate
MILTON E. KURTH, Clinical Associate
COLETTE JEANTET, Clinical Associate
MARIO D. MANSUETO, Clinical Associate
JOSEPH F. ORRICO, Clinical Associate
KARL H. SIEDENTOPH, Clinical Associate
Pierce W. Theobald, Clinical Associate
ALAN R. KAHN, Research Associate
ROBERT H. BORKENHAGEN, Clinical Instructor
RALPH A. CASCIARO, Clinical Instructor
JOSE LUIS FERRER, Clinical Instructor
DINO G. MAURIZI, Clinical Instructor
PHILLIP I. MOZER, Clinical Instructor
EDWARD A. RAZIM, Clinical Instructor
THADEUS S. PIERCE, Clinical Instructor
LOUIS F. SCARAMELLA, Clinical Instructor
JOYCE A. SCHILD, Clinical Instructor
KURT SPRINGER, Clinical Instructor
ALDO C. SIRUCA, Clinical Instructor
LOUIS T. TENTA, Clinical Instructor
BLAINE L. BLOCK, Assistant (one year from July 1, 1963)
RonalD J. BLUMENFELD, Assistant (one year from July 1, 1963)
ARTHUR I. BRODER, Assistant (one year from July 1, 1963)
RUSI N. BRODER, Assistant (one year from July 1, 1963)
JOHN N. COMITO, Assistant
ROGER A. EGGERT, Assistant (fourteen months from July 1, 1963)
ROBERT S. FAGELSON, Assistant (one year from July 1, 1963)
DAVID L. FAGELSON, Clinical Assistant
JERRY E. FRIEDMAN, Assistant (one year from July 1, 1963)
THOMAS E. GRIFFITH, Assistant (fourteen months from July 1, 1963)
GERALD E. GREENBERG, Clinical Assistant
KEITH M. HOLMES, Assistant (one year from July 1, 1963)
DONALD L. JEROME, Assistant (one year from July 1, 1963)
HAROLD L. LAKER, Assistant (one year from July 1, 1963)
FRANKLIN S. MASSARI, Assistant (one year from July 1, 1963)
FLORIAN R. NYKIEL, Assistant (one year from July 1, 1963)
JOHN P. McPHerson, Assistant (one year from July 1, 1963)
S. BRUCE MEREDITH, Assistant (one year from July 1, 1963)
WILLIAM M. SERMONTE, Assistant (one year from July 1, 1963)
JOSE SMOLER, Assistant (one year from July 1, 1963)
ROBERT J. TOOHILL, Assistant (one year from July 1, 1963)
JOHN D. VANNUYS, Clinical Assistant
JOSEPH P. VELEK, JR., Assistant (one year from July 1, 1963)

Pathology

GEORGE M. HASS, Professor
LESTER S. KING, Clinical Professor
CHARLES E. CAHN-BRONNER, Professorial Lecturer, Emeritus
BOARD OF TRUSTEES [September 18

JERRY J. KEARNS, Clinical Associate Professor, Emeritus
FREDERIC C. BAUER, Jr., Clinical Associate Professor
HAROLD A. GRIMM, Clinical Associate Professor
COYE C. MASON, Clinical Associate Professor
MARTIN A. SWERDLOW, Clinical Associate Professor
JAMES R. THOMPSON, Clinical Associate Professor
JOHN P. AYER, Associate Professor (DY)
GRANT C. JOHNSON, Clinical Associate Professor (DY)
JACOB N. SHANBERGE, Clinical Associate Professor (DY)
ROBERT W. ALEXANDER, Assistant Professor
RAYMOND A. CLASEN, Assistant Professor
REUBEN EISENSTEIN, Assistant Professor
DOROTHY E. ESHEBAUGH, Clinical Assistant Professor
VICTOR R. JABLOKOW, Clinical Assistant Professor
ALBERT W. SCHWITZER, Clinical Assistant Professor
FRIEDERICH A. O. ECCNER, Lecturer
FRIEDERICH O. FLOBERG, Lecturer
FRANZ E. HIRSCH, Lecturer
MAURICE LEV, Lecturer
JAMES E. HABEGGER, Clinical Associate
JOHN E. MALONEY, Clinical Associate
HECTOR PEISON, Clinical Associate
JOSEPH J. HOSEK, Clinical Instructor
MARILYN J. O'BRIEN, Clinical Instructor
BERNARD PEISON, Clinical Instructor
JAMES C. PRITCHARD, Clinical Instructor
SEYMOUR ROSEN, Instructor (one year from July 1, 1963)
MOHSEN SHAKERIN, Instructor (one year from July 1, 1963)
JAMES A. SURVIS, Clinical Instructor
CHAROEN SUWANWILAI, Instructor (one year from July 1, 1963)
MOSTAPA J. TABATABAI, Instructor (one year from July 1, 1963)
JAMES T. BOLAN, Assistant (one year from July 1, 1963)
PHILIP S. COOGAN, Assistant (one year from July 1, 1963)
JOHN R. DAINAUSKAS, Assistant (one year from July 1, 1963)
WILLIAM T. GOGAN, Assistant (one year from July 1, 1963)
ALLEN J. LIPSEY, Assistant (one year from July 1, 1963)
JOSE R. MANALIGOD, Assistant (one year from July 1, 1963)
ROGER D. SMITH, Assistant (one year from July 1, 1963)
MALCOLM V. VYE, Assistant (one year from July 1, 1963)

Pediatrics

ALFRED D. BIGGS, Clinical Professor, Emeritus
CRAIG D. BUTLER, Clinical Professor (Rush), Emeritus
HUGH MCCULLOCH, Lecturer with rank of Professor, Emeritus
JOSEPH GREENGARD, Clinical Professor
C. JACK HARRISON, Clinical Professor (Rush)
SAMUEL J. HOFFMAN, Clinical Professor
JOSEPH R. CHRISTIAN, Professor
HERBERT J. GROSSMAN, Professor
NOEL G. SHAW, Clinical Professor (Rush)
CHARLES K. STULIK, Clinical Associate Professor (Rush), Emeritus
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WARREN R. DAMMERS, Clinical Associate Professor
LOUIS J. HALPERN, Clinical Associate Professor
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MATTHEW M. LEWISON, Clinical Associate Professor (Rush)
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NORMAN T. WELFORD, Clinical Associate Professor (Rush)
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RENE A. ARCILLA, Clinical Assistant Professor
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HANS G. BUCHERERES, Clinical Assistant Professor
MARIANNE P. BUDZEIKA, Clinical Assistant Professor
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VERNON R. DEYOUNG, Clinical Assistant Professor
JOHN B. HALL, Clinical Assistant Professor
JOHN S. HYDE, Clinical Assistant Professor
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MELVIN A. KRUGLY, Clinical Assistant Professor
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BESSIE L. LENDRUM, Clinical Assistant Professor
MICHAEL A. LIMOSANTI, Clinical Assistant Professor
RONALD B. MACK, Clinical Assistant Professor
HARRY T. NAGEL, Clinical Assistant Professor
BRUCE B. NEWMAN, Clinical Assistant Professor
HOMER S. PARKER, Clinical Assistant Professor
MILDRED J. POLNIAZKZK, Clinical Assistant Professor
KLARA JUDITH PREC, Clinical Assistant Professor
MARTIN SACKS, Clinical Assistant Professor
IRENE SHMIGELSKY, Clinical Assistant Professor
CHARLES E. STEPan, Clinical Assistant Professor
CHARLES L. SWARTS, Clinical Assistant Professor
SUSAN THOMAS, Clinical Assistant Professor
A. A. WOLF, Clinical Assistant Professor
BOHDAN S. CIELEWICZ, Clinical Instructor
JULIA YU CHAO, Clinical Instructor
DANIEL G. CUNNINGHAM, Clinical Instructor
XELW. FEINBERG, Clinical Instructor
JANICE R. HERZL, Clinical Instructor
EDWARD K. ISAACSON, Clinical Instructor
CLAY H. JONES, Jr., Clinical Instructor
DOLORES R. KNOBLOCK, Clinical Instructor
ELIZABETH KELLEr, Clinical Instructor
VICTOR M. LOPIRE, Clinical Instructor
SILVIO D. MORALES, Clinical Instructor
KENNETH S. NOLAN, Clinical Instructor
JOHN WILLIAM O'SHEA, Clinical Instructor
STEPHEN PAVLYNSKYJ, Clinical Instructor
ISIDRO PEREZ, Clinical Instructor
PHILIP L. WACHTEL, Clinical Instructor
ARNOLD A. SEKOLNIK, Clinical Instructor
OSCAR L. CISNEROS, Assistant (one year from July 1, 1963)
JOSEPH M. CULLEN, Assistant (one year from July 1, 1963)
RONALD G. ERICKSEN, Assistant (one year from July 1, 1963)
JANET F. FORSTNER, Assistant (one year from July 1, 1963)
WILLIAM T. HARTNETT, Assistant (one year from July 1, 1963)
MARION E. JOHNSON, Assistant (one year from July 1, 1963)
BAHMAN JOORABCHI, Assistant (one year from July 1, 1963)
FRIEDA JUCHHEIM, Assistant (one year from July 1, 1963)
RAYMOND J. KILEY, Assistant (one year from July 1, 1963)
CHARLES A. LIMP, Assistant (one year from July 1, 1963)
EDDIE S. MOORE, Assistant (one year from July 1, 1963)
ERNSTO P. NAMIN, Clinical Assistant
ADOLFO A. PEREZ, Assistant (one year from July 1, 1963)
MARY V. RAMEY, Assistant (one year from July 1, 1963)
ROBERT G. ROSENBERG, Assistant (one year from July 1, 1963)
CHANDRAKANT P. SHAH, Assistant (one year from July 1, 1963)
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ROSEANNE VITULLO, Assistant (one year from July 1, 1963)
SOMCHAO YINGVORAPANT, Assistant (one year from July 1, 1963)
PAUL J. ZIEGLER, Assistant (one year from July 1, 1963)

Pharmacology

CHESTER J. CAVALLITO, Lecturer
VICTOR A. DRILL, Lecturer
HARRIS ISBELL, Lecturer

Physical Medicine and Rehabilitation

H. WORLEY KENDELL, Clinical Professor
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ROMAN S. ORYSHKEVICH, Clinical Instructor

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HAROLD E. HIMWICH, Lecturer

Preventive Medicine

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JERMYN F. MCCAHAN, Clinical Associate Professor
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JOYCE C. LASHOF, Assistant Professor
HAROLD H. STEINBERG, Clinical Assistant Professor
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PAUL W. TILLMAN, Clinical Associate
ERNEST W. WILLIAMS, Clinical Associate
WILLIAM I. METZGER, Research Associate

Psychiatry

ROY R. GRINKER, Clinical Professor
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VLADIMIR G. URSE, Clinical Professor
JACK WEINBERG, Clinical Professor
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SOL ALTSCHUL, Clinical Assistant Professor
CLAIRE M. ARMSTRONG, Clinical Assistant Professor
BERNARD M. ARONOV, Assistant Professor of Psychology
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LEON BERNSTEIN, Clinical Assistant Professor
RICHARD BOLIN, Clinical Assistant Professor
DAVID D. BROCKMAN, Clinical Assistant Professor

[September 18]
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PAULINE M. COOKE, Clinical Assistant Professor
THOMAS N. DAVIS III, Clinical Assistant Professor
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PAUL DOLINKO, Clinical Assistant Professor of Psychology
ROBERT C. Drye, Clinical Assistant Professor
SYDNEY B. EISEN, Clinical Assistant Professor
ARTHUR S. ELSTEIN, Assistant Professor of Psychology
FRANK P. EVANS, Clinical Assistant Professor
DAVID C. GARRON, Assistant Professor of Psychology
HAROLD A. GREENBERG, Clinical Assistant Professor
BERNARD L. GREENE, Clinical Assistant Professor
DAVID P. GROSS, Clinical Assistant Professor
MORTIMER D. GROSS, Clinical Assistant Professor
FREDERICK V. GWYER, Clinical Assistant Professor
JOHN E. HALASZ, Clinical Assistant Professor
LOUIS HALPERIN, Clinical Assistant Professor
JOHN W. HANNI, Clinical Assistant Professor
DAVID S. HARMAN, Clinical Assistant Professor
IRVING D. HARRIS, Clinical Assistant Professor
ELSIE L. HAUG, Clinical Assistant Professor
PATRICK ISRAEL, Clinical Assistant Professor
LOUIS JENSEN, Clinical Assistant Professor
DAVID M. JORDAN, Assistant Professor
GEORGE H. KLUMPNER, Clinical Assistant Professor
RICHARD C. KOENIG, Clinical Assistant Professor
ROBERT H. KOFF, Clinical Assistant Professor
GUSTAVO LAGE, Clinical Assistant Professor
ELSIE B. LESSING, Clinical Assistant Professor of Psychology
DAVID LEVITIN, Clinical Assistant Professor
BERNARD L. LIFSON, Clinical Assistant Professor
JOAN LONGINI, Clinical Assistant Professor
NORMA MASON, Clinical Assistant Professor
WARREN G. McPHERSON, Clinical Assistant Professor
VICTOR MINTER, Clinical Assistant Professor
EYAN G. MOORE, Clinical Assistant Professor
WILLIAM H. MURRAY, Clinical Assistant Professor
CHARLES MYRAN, Clinical Assistant Professor
JOSEPH G. NEMECIK, Clinical Assistant Professor
MELVIN D. NUDELMAN, Clinical Assistant Professor
DONALD OXEN, Clinical Assistant Professor
FRANCES C. PERCE, Clinical Assistant Professor
GEORGE L. PERKINS, Clinical Assistant Professor
ROBERT H. POLLACK, Clinical Assistant Professor of Psychology
KLARA G. RANKY, Clinical Assistant Professor
ALAN M. ROBERTSON, Clinical Assistant Professor
HENRY L. RUEHR, Clinical Assistant Professor
ARTHUR SABLE, Clinical Assistant Professor
SHELDON K. SCHIFF, Assistant Professor (fourteen months from July 1, 1963)
MARVIN SCHWARZ, Clinical Assistant Professor
HARRY M. SEGENREICH, Clinical Assistant Professor
CHARLES H. SHAIOVA, Clinical Assistant Professor
JEANNE SPURLOCK, Clinical Assistant Professor
ALVIN SUSLICK, Clinical Assistant Professor
THOMAS T. TOURENTES, Clinical Assistant Professor
SAMUEL A. VICTOR, Clinical Assistant Professor
WILLIAM WEISDORF, Clinical Assistant Professor
DONOVAN G. WRIGHT, Clinical Assistant Professor
MARVIN ZIPORYN, Clinical Assistant Professor
ALFONSO SHIMBEL, Lecturer
HEDWIG C. BAKONY, Clinical Instructor
MARJORIE C. BARNETT, Clinical Instructor
ERIC G. BRUNNCRABER, Clinical Instructor in Biochemistry
DAVID W. BUCK, Clinical Instructor
CLAARA M. BUTTERWORTH, Clinical Instructor in Psychology
JOSÉ M. CASTILLO, Instructor
MARVIN FREEDMAN, Instructor
ALVAN W. GEMBER, Instructor
JAY G. HIRSCH, Clinical Instructor
JEROME I. KATZ, Clinical Instructor
LEO V. KEMPSON, Clinical Instructor
ARTHUR KLING, Clinical Instructor
CHARLES H. KRAMER, Clinical Instructor
DAVID A. MARCUS, Clinical Instructor
ANA MARQUINEZ, Clinical Instructor
RAYMOND N. MILLER, Instructor
MAX MONIN, Instructor
ELIOTT C. MURRAY, Instructor
ARTHUR H. NORTON, Clinical Instructor
ROBERT E. NYQUIST, Clinical Instructor
DANIEL OFFER, Clinical Instructor
ZANE D. PARZEN, Clinical Instructor
SARAH R. PESKIND, Clinical Instructor in Psychology
LEONARD RACK, Clinical Instructor
BARBARA S. ROCHA, Clinical Instructor
DONALD A. ROSS, Clinical Instructor in Psychology
RICHARD K. SASKILL, Clinical Instructor
DONALD D. SCHWARTZ, Clinical Instructor
ARLENE J. SMITH, Clinical Instructor
DAVID W. SWANSON, Clinical Instructor
MORTON S. TABIN, Clinical Instructor
JOHN D. VAN PELT, Instructor in Psychology
DACA M. WIED, Clinical Instructor
KARL L. WILLRICH, Instructor
ROBERT I. YUFIT, Clinical Instructor in Psychology
ORESTE ZALIS, Clinical Instructor
ALEXANDER ZEIDEL, Instructor
EDWARD J. BARANOWSKI, Assistant
ALLEN S. BERNSTEN, Assistant
WILLIAM R. DEVRIES, Research Assistant
WILLIAM F. HENEBRY, Assistant
ROBERT J. INNES, Assistant
ELSAB. TELSER, Research Assistant
LAWRENCE VAN EGEREN, Assistant

Public Health

EDWARD A. PISZCZEK, Clinical Associate Professor
HERBERT K. ABRAMS, Clinical Assistant Professor
CLARENCE W. KLASSEN, Assistant Professor
HERBERT E. MC DANIELS, Associate Professor
KENNETH M. MORSE, Lecturer
W. FRANKLIN DOVE, Research Associate

Radiology

JOHN W. CLARK, Professor
FAY H. SQUIRE, Professor (Rush)
DAVID S. BEILIN, Clinical Associate Professor, Emeritus
RICHARD E. BUENGER, Associate Professor
SAMUEL A. LEADER, Clinical Associate Professor
ISRAEL E. KIRSH, Associate Professor (DY)
FRANKLIN S. ALCORN, Assistant Professor
MAURICE L. BODDONOFF, Assistant Professor
BENJAMIN D. BRAUN, Clinical Assistant Professor
FRANK R. HENDRICKSON, Assistant Professor
JULIUS HEYDEMANN, Clinical Assistant Professor
GEORGE G. HIBBS, Assistant Professor
BILLY JAY HILL, Assistant Professor
JACQUES OVADIA, Clinical Assistant Professor
LAWRENCE D. SCOTT, Assistant Professor
FRANK L. HUSSEY, Clinical Instructor
JOHN T. McMANUS, Instructor
EDWARD I. MILLER, Instructor
GLADYS L. OLSON, Instructor
MARVIN O. TREPTON, Instructor
HAROLD N. WALGREN, Instructor
ANTHONY CHUNG-BIN, Assistant
ROBERT R. HART, Assistant
RICHARD L. PHILLIPS, Assistant
RICHARD F. TAYLOR, Assistant

Surgery

HILLIER L. BAKER, Clinical Professor (Rush), Emeritus
EDWIN M. MILLER, Clinical Professor (Rush), Emeritus
OSCAR E. NADEAU, Clinical Professor, Emeritus
FRANCIS H. STRAUS, Clinical Professor (Rush), Emeritus
EDWARD J. BEATTIE, Jr., Professor
EGBERT H. PELL, Clinical Professor (Rush)
RICHARD K. GILCHRIST, Clinical Professor (Rush)
PAUL W. GREELEY, Clinical Professor
HIRAM T. LANGSTON, Clinical Professor
Foster L. McMillan, Clinical Professor
JOHN H. OLWIN, Clinical Professor (Rush)
HARRY W. SOUTHWICK, Clinical Professor
PHILIP THOREK, Clinical Professor
WILLIAM H. HAZLETT, Clinical Associate Professor, Emeritus
FRANK J. JIRKA, Associate Professor, Emeritus
JOHN D. ORNDORFF, Clinical Associate Professor, Emeritus
WILL F. LYON, Clinical Associate Professor, Emeritus
RUDOLPH J. E. ODE, Associate Professor, Emeritus
MORRIS L. PARKER, Clinical Associate Professor, Emeritus
LOUIS W. SCHULZ, Clinical Associate Professor of Oral Surgery, Emeritus
CARL B. DAVIS, Jr., Clinical Associate Professor
FREDERICK A. DEPEYSTER, Clinical Associate Professor
WILLIS G. DIFFENBAUGH, Clinical Associate Professor
ARTHUR E. DIGGS, Clinical Associate Professor (Rush)
WILLIAM S. DYE, Jr., Clinical Associate Professor
EARL GARSIDE, Clinical Associate Professor
CHESTER C. GUY, Clinical Associate Professor
BURLTON C. KIBOURNE, Clinical Associate Professor
STANLEY E. LAWTON, Clinical Associate Professor (Rush)
CLARENCE MONROE, Clinical Associate Professor (Rush)
LINDON SEED, Clinical Associate Professor
EVERETT L. STROHL, Clinical Associate Professor
FRANK V. THEIS, Clinical Associate Professor (Rush)
WILLIAM J. GILLESBY, Clinical Associate Professor (DY)
WILLIAM H. HARRIDGE, Clinical Associate Professor (DY)
GEORGE A. OLANDER, Clinical Associate Professor (DY)
JOHN R. ORNDORFF, Clinical Associate Professor (DY)
CARL O. ALMQVIST, Clinical Assistant Professor, Emeritus
RAYMOND E. ANDERSON, Clinical Assistant Professor
CHARLES D. BRANCH, Clinical Assistant Professor
C. DAVID BROWN, Clinical Assistant Professor
ROBERT G. CANHAM, Clinical Assistant Professor
JOSEPH P. CANNON, Clinical Assistant Professor
JAMES H. CROSS, Clinical Assistant Professor
WARD H. EASTMAN, Clinical Assistant Professor
MELVIN I. GIBBEL, Clinical Assistant Professor
RAYMOND GREEN, Clinical Assistant Professor
VERNON L. GUY, Clinical Assistant Professor
RONALD G. HALEY, Clinical Assistant Professor
RUSSELL C. HANSELMAN, Clinical Assistant Professor
HARRY G. HARDT, JR., Clinical Assistant Professor
ROBERT A. HESS, Clinical Assistant Professor
VERNON Z. HUTCHINGS, Clinical Assistant Professor
CARL IRENEUS, JR., Clinical Assistant Professor
ROBERT W. JAMIESON, Clinical Assistant Professor
FRANK R. JOHNSON, Clinical Assistant Professor
GEORGE D. KAISER, Clinical Assistant Professor
ANDREW KIRSTEINS, Clinical Assistant Professor
FRANCES E. KNOCK, Clinical Assistant Professor
JOHANNES L. KOPPEL, Assistant Professor of Biochemistry
WILLIAM E. LOOBY, Clinical Assistant Professor
KENNEITH L. MATSON, Clinical Assistant Professor
HAROLD I. MEYER, Clinical Assistant Professor
WILLIAM E. NEVILLE, Clinical Assistant Professor
ROBERT J. OVERTREET, Clinical Assistant Professor
MARTIN PEPPER, Clinical Assistant Professor
JOHN H. PRIBBLE, Clinical Assistant Professor
THOMAS WISE, Clinical Assistant Professor
PHILIP SHAMBAUGH, Clinical Assistant Professor
WILLIAM D. SHOREY, Clinical Assistant Professor
ROBERT F. STOKES, Clinical Assistant Professor
MILAN M. WASSERT, Clinical Assistant Professor
MILTON WEINBERG, JR., Clinical Assistant Professor
CARL Y. WERELIUS, Clinical Assistant Professor
ROBERT B. WHITE, Clinical Assistant Professor
MICHAEL F. WITANOWSKI, Clinical Assistant Professor
LEON J. WITKOWSKI, Clinical Assistant Professor
HILGER P. JENKINS, Lecturer
JEROME E. ABRAHAMS, Clinical Instructor
BURLTON R. BANCROFT, JR., Instructor (one year from July 1, 1963)*
WALTER L. BARKER, Clinical Instructor (fourteen months from July 1, 1963)*
EUGENE A. BROCCOLI, Clinical Instructor
DONALD M. BUCKNER, Instructor (one year from July 1, 1963)*
RICHARD G. CALDWELL, Instructor (one year from July 1, 1963)*
NOBLE CORRIEL, Clinical Instructor
MYLES P. CUNNINGHAM, Instructor (one year from July 1, 1963)*
EDWARD A. DAINKE, Instructor (one year from July 1, 1963)*
WILLIAM F. DIPPEL, Instructor (one year from July 1, 1963)*
DOUGLAS G. E. FAGER, Instructor (one year from July 1, 1963)*
ERNEST M. FEILER, Clinical Instructor
GLEN W. FISCH, Clinical Instructor
JOHN W. FRISCH, Clinical Instructor
ANDRES GABEL, Clinical Instructor
GORDON H. GLASSFORD, Clinical Instructor
SAMUEL L. HAMILTON, Clinical Instructor
JOSEPH F. HINKAMP, Clinical Instructor
JOHANNES M. L. JENSEN, Clinical Instructor
OLGA M. JONASSON, Instructor (one year from July 1, 1963)*
MICHEL N. JURAY, Instructor (one year from July 1, 1963)*
JOHN M. KENNERT, Clinical Instructor (fourteen months from July 1, 1963)*
CHARLES J. KOECK, Clinical Instructor
WALTER R. LAWRENCE, Instructor (one year from July 1, 1963)*
OSCAR S. LENIT, JR., Clinical Instructor
DAVID R. LEWIS, Clinical Instructor
ROBERT O. LEWIS, Clinical Instructor
JOSEPH R. McANDREW, Clinical Instructor
RANDALL E. MCGOVERN, Clinical Instructor
CHAFICK N. MANSOUR, Clinical Instructor
A. Gilman Middleton, Instructor (one year from July 1, 1963)

Kathaleen M. Mogan, Instructor (one year from July 1, 1963)

Eudell G. Paul, Clinical Instructor

Harold A. Paul, Clinical Instructor

Parviz Parsa, Instructor (one year from July 1, 1963)

Alceu L. S. Pedreira, Instructor (one year from July 1, 1963)

Edgar R. Picken, Clinical Instructor

Morris M. Proffitt, Clinical Instructor

John G. Rappensperger, Clinical Instructor

Oliver V. Renaud, Clinical Instructor

Leo E. Robertson, Instructor (one year from July 1, 1963)

Rudolph W. Roessel, Clinical Instructor

Marvin M. Rombsahl, Instructor (one year from July 1, 1963)

Wendell H. Schmitzke, Clinical Instructor (fourteen months from July 1, 1963)

Ethan B. Ruben, Instructor (one year from July 1, 1963)

James A. Sandroolini, Instructor (one year from July 1, 1963)

Richard C. Schultz, Clinical Instructor

Dayle O. Snyder, Instructor (one year from July 1, 1963)

John M. Somerndike, Jr., Instructor (one year from July 1, 1963)

E. Wilson Staub, Instructor (one year from July 1, 1963)

Arnold B. Swerdlow, Clinical Instructor

Richard A. Tarizzo, Clinical Instructor

Kenneth R. Vander Venne, Instructor (one year from July 1, 1963)

Arthur R. Williamson, Clinical Instructor

Karl F. Bader, Jr., Assistant (on leave of absence for military service)

Mark F. Blum, Assistant (one year from July 1, 1963)

Edward S. Callahan, Assistant (one year from July 1, 1963)

J. Anthony Brown, Assistant (one year from July 1, 1963)

Thomas E. Cronin, Assistant (one year from July 1, 1963)

Alexander Doolas, Assistant (on leave of absence for military service)

Ardean J. Ediger, Assistant (one year from July 1, 1963)

Jay D. Ellenby, Assistant (on leave of absence for military service)

James H. Freel, Assistant (one year from July 1, 1963)

Elliot G. Goldin, Assistant (one year from July 1, 1963)

Robert P. Gordon, Jr., Assistant (one year from July 1, 1963)

Allan L. Graham, Assistant (one year from July 1, 1963)

John W. Hengesh, Research Assistant (on leave of absence for military service)

William R. Jewell, Assistant (one year from July 1, 1963)

William T. Johnston, Assistant (one year from July 1, 1963)

Harvey J. Levin, Assistant (one year from July 1, 1963)

Fern E. Likhite, Assistant (one year from July 1, 1963)

Warren L. Lowry, Assistant (one year from July 1, 1963)

Larry O. McNelley, Assistant (one year from July 1, 1963)

Roger L. Mehl, Assistant (one year from July 1, 1963)

John J. Minster, Assistant (one year from July 1, 1963)

Ernest A. Norehald, Assistant (one year from July 1, 1963)

Osmar P. Steinwald, Jr., Assistant (one year from July 1, 1963)

Wayne M. Swenson, Assistant (one year from July 1, 1963)

Michael S. Taekman, Assistant (one year from July 1, 1963)

Nicholas L. Tilney, Assistant (one year from July 1, 1963)

Gerry R. Tuveson, Assistant (one year from July 1, 1963)

James R. Waltz, Assistant (one year from July 1, 1963)

Wilfred E. Watkins, Assistant (one year from July 1, 1963)

Jehoon Yang, Assistant (one year from July 1, 1963)

Division of Urology

Norris J. Heckel, Clinical Professor of Urology (Rush)

Edwin C. Graf, Clinical Associate Professor of Urology

Theophil P. Grauer, Clinical Associate Professor of Urology

James W. Merricks, Jr., Clinical Associate Professor of Urology (Rush)

George O. Baumrucker, Clinical Assistant Professor of Urology

Joseph S. Drabanski, Clinical Assistant Professor of Urology

R. Ross Haeger, Clinical Assistant Professor of Urology
WILLARD C. MEYER, Clinical Assistant Professor of Urology
FRANK B. PAPIERNIAK, Clinical Assistant Professor of Urology
COLQUITT O. RITCH, Clinical Assistant Professor of Urology
FREDERICK W. SCHACHT, Clinical Assistant Professor of Urology
CARL D. BERRY, JR., Clinical Instructor in Urology
JAMES A. CALAMS, Clinical Instructor in Urology
DANIEL H. CALLAHAN, Clinical Instructor in Urology
THOMAS L. C. COTTRELL, Clinical Instructor in Urology
ENGIN DENIZ, Clinical Instructor in Urology
ALFONSO DIAZ, Clinical Instructor in Urology
CHARLES F. McKIEL, JR., Clinical Instructor in Urology
WILLARD J. SMITH, Instructor in Urology (one year from July 1, 1963)
JAMES C. VALENTA, Clinical Instructor in Urology
CYRIL C. WICGISHOFF, Clinical Instructor in Urology
JOHN A. KOZAK, Assistant in Urology (one year from July 1, 1963)
GARY A. STOREY, Assistant in Urology (one year from July 1, 1963)

Division of Anesthesiology
ERNST T. MORCH, Clinical Professor of Anesthesiology
PAUL W. SEARLES, Clinical Professor of Anesthesiology
MARY M. LYONS, Clinical Associate Professor of Anesthesiology (Rush), Emerita
JOHN L. SCHMIDT, Clinical Associate Professor of Anesthesiology (DY)
JOHN E. CRAWLEY, Clinical Assistant Professor of Anesthesiology
MYRON J. LEVIN, Clinical Assistant Professor of Anesthesiology
HERBERT E. NATORF, Clinical Assistant Professor of Anesthesiology
JOSEPH E. REMPLINGER, Clinical Assistant Professor of Anesthesiology
DIGBY G. SEYMOUR, Clinical Assistant Professor of Anesthesiology
ARTHUR T. SHIMA, Clinical Assistant Professor of Anesthesiology
VERNON E. WALLACE, Clinical Assistant Professor of Anesthesiology
HERSHELL L. KEELING, Clinical Associate in Anesthesiology
HOWARD H. BERLIN, Clinical Instructor in Anesthesiology
GWENGLEAVE, Clinical Instructor in Anesthesiology
EILEN HECKEL, Clinical Instructor in Anesthesiology
DAVID KATZ, Clinical Instructor in Anesthesiology
STANKA K. PAPRIKOFF, Clinical Instructor in Anesthesiology
RAYMOND F. ROSE, Clinical Instructor in Anesthesiology
LESTER SCHWARTZ, Clinical Instructor in Anesthesiology
VIVENTE B. SANTELICES, Instructor in Anesthesiology (one year from July 1, 1963)

VINCENZOTRAINA, Clinical Instructor in Anesthesiology
DAN A. VALENTI, Clinical Instructor in Anesthesiology
RASMAM. VITRUNGS, Clinical Instructor in Anesthesiology
RAYMONDF. ZRICK, Clinical Instructor in Anesthesiology
ROLAND F. BRENNER, Assistant in Anesthesiology (one year from July 1, 1963)
FRANCISCO M. ALVES, Assistant in Anesthesiology (one year from July 1, 1963)
THOMAS L. ASHCRAFT, Clinical Assistant in Anesthesiology
FELICISIMO N. BUENAFA, Assistant in Anesthesiology (one year from July 1, 1963)
ELEUTERIO CARREIRA, Assistant in Anesthesiology (one year from July 1, 1963)
CARLETON E. DANGREMOND, Clinical Assistant in Anesthesiology
ROLAND W. DEYOUNG, Assistant in Anesthesiology (one year from July 1, 1963)
HECTOR R. LEON, Assistant in Anesthesiology (one year from July 1, 1963)
RAFAEL MACHADO, Assistant in Anesthesiology (one year from July 1, 1963)
NORA G. MADRILEJO, Assistant in Anesthesiology (one year from July 1, 1963)
WILLIAM R. MELBY, Clinical Assistant in Anesthesiology
ANTONIO M. NOVO, Assistant in Anesthesiology (one year from July 1, 1963)
MADDALENA F. PASTIKA, Assistant in Anesthesiology (one year from July 1, 1963)
CYRUS FERNANZAR, Assistant in Anesthesiology (one year from July 1, 1963)
PABLO M. RIVERA, Assistant in Anesthesiology (one year from July 1, 1963)
LOUIS ROE, Assistant in Anesthesiology (one year from July 1, 1963)

ASTRIDAI. SILINS, Clinical Assistant in Anesthesiology
EMMA C. TING, Assistant in Anesthesiology (one year from July 1, 1963)
The Seventy-third General Assembly of Illinois enacted a bill, approved by the Governor on August 5, 1963, for "An Act relating to the establishment of County Agricultural and Home Economics Extension Councils and County Extension Boards to cooperate with the University of Illinois College of Agriculture Cooperative Extension Service and the United States Department of Agriculture in conducting educational programs in agriculture, home economics, and subjects relating thereto in the several counties, and authorizing the levy of an annual tax therefor."

This law authorizes counties to raise funds for support of these programs by taxation if approved by referendum, or to assign funds for the purpose from general revenues of the county and to pay such funds to the University of Illinois. The law also gives the Board of Trustees of the University additional authority in carrying out the programs of cooperative extension.

Distinctive features of this law are: (1) recognition by the Legislature of the County Extension Councils; (2) establishment of Extension Boards to serve as liaison groups between the County Councils and County Boards of Supervisors (or Commissioners); (3) specific delegation of the University of Illinois as an agency eligible to receive county funds in the support of Cooperative Extension programs in the counties; and (4) removal of the limitation of $5,000 on funds which County Boards of Supervisors or Commissioners may allocate from county tax funds in support of the Cooperative Extension programs in counties where the population exceeds certain numbers.

In the past, the Board of Trustees has delegated administration of the activities of the Cooperative Extension Service through the President to the Director of the Cooperative Extension Service and, although there are no major policy or operational changes involved in the implementation of this new county extension law, it is deemed advisable for the Board to reaffirm its previous delegation of responsibility. The Dean of the College of Agriculture and Director of the Cooperative Extension Service requests approval by the Board of Trustees of the following:

**Delegation of Authority to the Director of Cooperative Extension to Carry Out the Provisions of the County Cooperative Extension Law**

The recently enacted County Cooperative Extension Law authorizes the Board of Trustees to provide for the creation of county extension councils and boards. Heretofore the University has administratively created and supervised similar councils. The Dean of the College of Agriculture and Director of the Cooperative Extension Service recommends that pursuant to the County Cooperative Extension Law, the Director of the University of Illinois Cooperative Extension Service, under the President of the University, be directed and authorized to establish county extension councils and multi-county councils, to establish procedures for their operation substantially as provided in the Extension Council Guide, a copy of which has been approved by the President and is filed with the Secretary of the Board, to create county extension boards, and to carry out the other provisions of said Act on behalf of the Board of Trustees of the University of Illinois.

A copy of the Extension Council Guide is submitted herewith.

I concur.

The Secretary reported that since some preliminary steps to initiate the implementation of this program needed to be taken prior to September 1, 1963, the Executive Committee of the Board was consulted and gave interim authorization, subject to further action by the Board of Trustees.

On motion of Mr. Swain, the Board delegated authority to the Di-
rector of Cooperative Extension to carry out the provisions of the County Cooperative Extension Law.

**CONTRACT FOR GAS SERVICE FOR HEATING PLANT AT CONGRESS CIRCLE**

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Peoples Gas, Light, and Coke Company, Chicago, for gas service under the Interruptible Boiler Fuel Service, Classification No. V-3.

The fuel for the Heating Plant at the Congress Circle Campus has been planned for gas (Interruptible Boiler Fuel Service) during the summer months and oil during the winter months when gas is not available under this contract. The Service Classification recommended for the purchase of gas is No. V-3. This recommendation has been reviewed and concurred in by Sargent and Lundy, Consulting Engineers for the Heating Plant.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; not voting, Mr. Johnston; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACT FOR ELECTRICAL SERVICE FOR HEATING PLANT AT CONGRESS CIRCLE**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an agreement with Commonwealth Edison Company, Chicago, for the electrical service at the Congress Circle Campus, and that the University pay Commonwealth Edison Company the standard excess facility charges of $12,920.

The planning for Congress Circle Campus construction requires installation of electrical service from Commonwealth Edison Company at the Heating Plant, 1100 South Morgan Street, Chicago.

Commonwealth Edison will supply electricity at 69 KV transformed to supply the University at 12 KV and 4 KV. The provision for 4 KV service (for the operation of large motors in the Heating Plant) is basically the reason for the excess facility charges of $12,920. Sargent and Lundy, Consulting Engineers for the Heating Plant, estimated that the cost for supplying separate transformers to provide 4 KV service would be approximately $40,000. By the acceptance of the excess facility charges, the University will save approximately $27,000.

The demand and energy charges are the same as presently experienced at the undergraduate campus at Navy Pier, on a twenty-four month demand basis.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACT FOR CONSTRUCTION AT ABBOTT POWER PLANT ADDITION**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $29,826 to Robert Gordon, Inc., Chicago, the lowest bidder, for miscellaneous piping and equipment at the Power Plant Addition — Boiler No. 7.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

A supporting statement, including a schedule of all bids received, is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, this contract was awarded by the fol-
lowing vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACT FOR AIR CONDITIONING ELECTRICAL ENGINEERING BUILDING**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $73,941 to Reliable Plumbing and Heating Company, Champaign, the lowest bidder, this being the amount of the base bid plus alternates, for air conditioning the Electrical Engineering Building.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

A schedule of bids received is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**AGREEMENT WITH NORTHERN ILLINOIS WATER CORPORATION FOR EXTENSION OF WATER SERVICE ON SOUTH FARMS**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize its Secretary and the Comptroller to execute the following upon terms, conditions, and form approved by the Legal Counsel:

An agreement with the Northern Illinois Water Corporation for the extension of water service from the Water Corporation’s 8-inch main in the right-of-way of Route 45 at the intersection of the A T & T Road and Route 45 east to the South First Street Road and north approximately 600 feet, on a cost basis but not to exceed $11,760, for the main extension. In addition the University will pay on a cost basis for easements, meter vault, meter and service connection, and fire hydrants, or a total estimated cost of $15,433.

A grant of right-of-way easement over the south 600 feet of the west 33 feet of the southwest quarter of section 30 township 19 north, range 9 east of the third principal meridian.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur and recommend adoption of the following resolution:

 Resolution

*Be It, and It Hereby Is Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Northern Illinois Water Corporation, an Illinois corporation, hereinafter referred to as “Grantee,” its successors and assigns, the right and easement to construct, reconstruct, operate, maintain, repair, alter, replace, move and remove a water line, which is not less than eight inches (8") in diameter, and other equipment appurtenant thereto, under, through and across the land hereinafter described and the right of ingress to and egress therefrom. Grantee shall agree to repair any damage caused to property of this Corporation by the construction, reconstruction, operation, maintenance, repairing, alteration, moving and removing of said water line. The right-of-way easement shall remain in full force and effect from the date granted and for so long thereafter as said water transportation line is continued in service and has not been abandoned and discontinued. Upon termination of the easement Grantee shall peaceably surrender possession of said premises to this Corporation and full and complete title then shall remain in this Corporation
free and clear of said easement. The right-of-way easement shall be over the following-described property:

Situated in the State of Illinois, the County of Champaign, and consisting of the West Thirty-three (33) feet of the south Six Hundred (600) feet of the Southwest Quarter (SW 1/4) of Section Thirty (30), Township Nineteen (19) North, Range Nine (9) East of the Third Principal Meridian.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

RENEWAL OF LEASE FOR SPACE AT 606½ EAST GREEN STREET, CHAMPAIGN, ILLINOIS

(13) The University of Illinois Foundation on July 9, 1958, entered into an agreement with Bailey and Himes, Inc., Champaign, for the rental of 2,400 square feet of space on the second floor at 606½ East Green Street, Champaign, Illinois, for a five-year period commencing September 1, 1958. The space is used by the College of Journalism and Communications for part of its Television-Motion Pictures operations.

The Foundation has subleased the space to the Board of Trustees of the University of Illinois for biennial periods on the same terms and conditions as outlined in the lease between the Foundation and Bailey and Himes, Inc.

In negotiations for renewal of the lease for an additional five-year period, the owner has stated that due to increased costs, a rental rate increase of $192 per year would be necessary.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the University of Illinois Foundation be requested to renew the lease at the increased rental rate and that the Secretary of the Board and the Comptroller be authorized to execute a sublease agreement with the University of Illinois Foundation at the increased rental rate.

I concur.

On motion of Mrs. Watkins, this recommendation was approved, and authority was given as requested.

RENEWAL OF LEASE FOR SPACE AT 611-13 EAST GREEN STREET, CHAMPAIGN, ILLINOIS

(14) The University of Illinois Foundation on July 9, 1958, entered into an agreement with Tom Merlo for the rental of 3,200 square feet of space on the second floor at 611-13 East Green Street, Champaign, Illinois, for a five-year period commencing September 1, 1958. The space is used by the Visual Aids Section of the Division of University Extension.

The Foundation subsequently subleased the space to the Board of Trustees of the University of Illinois for biennial periods on the same terms and conditions as outlined in the lease between the Foundation and Mr. Merlo.

In negotiations for renewal of the lease for an additional five-year period, the owner has stated that due to increased costs, a rental rate increase of $144.00 per year would be necessary.

The Board of the University of Illinois Foundation has agreed to the increased rental subject to approval by the Board of Trustees.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Secretary of the Board and the Vice-President and Comptroller be authorized to execute a sublease agreement with the University of Illinois Foundation at the increased rental rate.

I concur.

On motion of Mrs. Watkins, this recommendation was approved, and authority was given as requested.

LEASES OF PROPERTIES FOR WOMEN'S HOUSING

The Executive Committee presented the following report:

All space in University residence halls for undergraduate women was assigned prior to August 1, and there were no vacancies in approved private housing facili-
ties for women. As a result, no additional permits to enter could be issued to undergraduate women unless additional housing facilities were found.

The Director of Housing, the Director of the Physical Plant, and the Vice-President and Comptroller recommend authorization of the leasing of the following properties on the terms and for the periods indicated for use as housing for undergraduate women students:

1007 South Fifth Street, Champaign, first semester of 1963-64, at a rental of $2,475, with option to renew for the second semester at the same rate.

This property will provide rooms and cooking privileges for twenty undergraduate women plus a house director.

1112 West California, Urbana, first semester of 1963-64, at a rental of $2,485, to accommodate thirty-four undergraduate women plus a house director.

107 West California, Urbana, for one year from September 1, at a rental of $18,000. This property is a new apartment building containing twelve two-bedroom apartments which will provide housing for forty-four undergraduate women plus a house director.

The rentals charged the occupants of these properties will be sufficient to cover the rental plus the operating costs.

A majority of the Board members authorized in writing the Executive Committee to approve these leases, and the Executive Committee authorized the Comptroller and Secretary of the Board to execute the leases.

This report is submitted for record.

WAYNE A. JOHNSTON
FRANCES B. WATKINS
HOWARD W. CLEMENT

A. J. JANATA

Chairman

ADDITION TO CONTRACT FOR ILLINOIS STREET RESIDENCE HALLS

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $10,418 in the contract with Kuhne-Simmons Company, Inc., Champaign, for construction of the Illinois Street Residence Halls for furnishing and installing three walk-in coolers and one walk-in freezer in the food service area, which were not included in the original contract.

Funds are available in the project budget.

I concur.

On motion of Mr. Swain, this change in contract was authorized.

ADDITION TO CONTRACT FOR CONSTRUCTION OF ILLINI UNION ADDITION

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $6,259.76 in the contract with Felmley-Dickerson Company, Inc., Urbana, for construction of the Illini Union addition to include additional remodeling work in the Commons dining room on the ground floor which will complete the improvements in this area.

Funds are available in the construction budget.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

CONTRACT FOR CAMPUS DEVELOPMENT CONSULTING SERVICES

(17) The present contract with the firm of Sasaki, Walker, and Associates, Inc., Watertown, Massachusetts, for consulting services in the area of long-range campus and landscape development expired June 30, 1963. The Director of the Physical Plant and the Vice-President and Comptroller recommend continuation of the employment of this firm for consulting services until June 30, 1965, to:

Review and advise on landscape and site design work initiated by the Division of Campus Development on specific projects included in the University's building program.

Advise and make recommendations on long-range campus planting plans.

Furnish objective review and comments concerning general campus landscape and grounds improvements.

The estimated total annual cost is $5,000.
Funds are available in the state capital appropriations to the University from the Universities Building Fund.
I concur.
On motion of Mr. Johnston, this recommendation was approved.

REAPPROPRIATION OF UNEXPENDED BALANCES
AS OF JUNE 30, 1963

(18) The Vice-President and Comptroller recommends that the following balances and overdrafts in budget appropriations June 30, 1963, be carried forward for the fiscal year beginning July 1, 1963, in accordance with usual policy.
I concur.

_Urbana-Champaign_

General administration and expense ....................... $ 64,755
Executive Vice-President and Provost, instructional television in other departments.............. $14,224
Vice-President and Comptroller, microfilming records ........................................ 614
Legal Counsel, special legal services .................. 1,341
Public Information, state fair exhibit ................ 110$ 13,387 $ 78,142
Agriculture ............................................. 77,652
Commerce and Business Administration ................. 5,604
Education .............................................. 12,723
Engineering ............................................. 834
  Engineering technology curriculum committee ... 13,000
  Technician need study ............................... 4,538 18,138 118,972
Fine and Applied Arts ................................ 13,627
Graduate College ...................................... 19,809
Journalism and Communications ........................ 14,880
Law ..................................................... 453
Liberal Arts and Sciences .............................. 48,397
  Census tracts, Champaign County ................. 2,000
  Anthropology, field training program ............ 993
  Geography, Illinois resources atlas ............. 1,426 4,509 52,906
Physical Education .................................... 4,057
University Extension .................................. 46,308
Veterinary Medicine .................................. 11,650
Other schools and colleges ............................ 6,040
  Institute of Aviation, electronic technology ... 12,080 18,120
Libraries and Library School ........................ 11,633
Physical Plant ...................................... 482,537
  Regular operation and maintenance ............... 175,173
  Renewals and replacements ....................... 207,364
Assembly Hall utilities .............................. 100,000
Unexpended plant
  Admissions and Records, special equipment .. 7,206
  McKinley Hospital, overbed tables and closets .. 5,852
  Agriculture Administration, special assignment . 5,028
  Agricultural Engineering, special equipment . 2,200
  Animal Science, prefabricated refrigeration walk-in-room 12,000
  Dixon Springs, purchase of truck ................ 3,258
  Burnsides Laboratory, equipment and moving .... 8,448
  Food Science, special equipment ............... 1,200
  Forestry, pressure-vacuum cylinder ............. 8,627
  Forestry, plywood shear testing machine ....... 2,700
  Forestry, special equipment ..................... 3,100
  Bevier Hall, electrical service ................ 7,740
  Pell Farm, improvements ......................... 19,616
  Education Administration, special equipment .. 2,089
  Elementary Education, special equipment ....... 1,317
  Vocational and Technical Education, special equipment 4,780
  University High School, special equipment .... 6,476
  Civil Engineering, equipment (National Science Foundation matching grant) ............. 35,100

  Deduct.
Civil Engineering, special equipment.......................... 50 587
Civil Engineering, Universal testing machine................. 25 500
Electrical Engineering, analogue computer, engineering..... 10 612
Electrical Engineering, special equipment................... 3 768
Mechanical and Industrial Engineering, analogue computer... 8 000
Mechanical and Industrial Engineering (National Science Foundation matching grant).......................... 35 000
Mining, Metallurgy, and Petroleum Engineering, special equipment........................................ 9 437
Nuclear Engineering, special equipment........................ 7 272
Physics, special equipment........................................ 2 609
Architecture, special equipment................................ 2 996
Art, special equipment............................................ 20 347
Music, special equipment........................................... 10 711
Graduate College, flexo-writer.................................. 1 322
Television cable and equipment................................... 12 926
Language Laboratory, equipment.................................. 24 970
Chemistry, equipment (National Science Foundation matching grant)........................................ 25 172
Chemistry and Chemical Engineering, special equipment..... 42 249
English, special equipment......................................... 2 220
Geology, special equipment........................................ 2 296
Physiology, equipment (National Science Foundation matching grant)....................................... 25 707
Psychology, equipment (National Science Foundation matching grant)................................. 24 980
Zoology, special equipment......................................... 6 015
Physical Education, special equipment.......................... 10 588
University Extension, special equipment....................... 2 040
University Press, inserting machine for Mailing Center..... 3 000
Library, special equipment.......................................... 13 102
Electrical Engineering, building equipment................... 2 319
Physical Plant, load lugger......................................... 1 262
Architectural studies for future buildings..................... 25 916
Improving lighting in classrooms.................................. 52 913
Minor improvements................................................... 1 744
Parking facilities..................................................... 1 108
Remodeling and minor additions unassigned.................... 16 496
704 South Sixth Street, remodeling.............................. 4 390
Volatile Storage Building......................................... 3 909
Dixon Springs, staff houses........................................ 1 386
Dairy Science, milk handling room............................... 22 500
Dairy Science, minor buildings................................... 15 961
Physical Plant, sheep metabolism unit........................... 21 873
Physics Betatron, prefabricated metal buildings.............. 8 000
Central Receiving Station.......................................... 1 425
Arcade Building, remodeling........................................ 3 209
Armory, remodeling................................................... 7 886
Arcade Building, air conditioning................................ 8 000
English Building, remodeling..................................... 3 054
McKinley Hospital, nurse call system............................ 15 081
Agricultural Engineering Building, remodeling................. 1 111
Animal Sciences Laboratory, remodeling room 345.............. 3 400
Animal Sciences Laboratory, remodeling room 420.............. 4 385
Agronomy Storehouse, electrical service......................... 3 480
Dairy Barn, free stalls............................................. 16 750
Horticulture Field Laboratory, remodeling..................... 25 150
David Kinley Hall, electrical service........................... 18 480
Gregory Hall, air conditioning................................... 3 330
Lincoln Hall, remodeling room 24................................ 12 125
Civil Engineering Hall, air conditioning....................... 10 773
Civil Engineering Hall, remodeling............................... 15 223
Wood Shop, remodeling............................................... 47 740
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smith Music Hall, lighting</td>
<td>$5,560</td>
</tr>
<tr>
<td>Armory Rifle Range, renovation</td>
<td>$17,680</td>
</tr>
<tr>
<td>Chemistry Annex, remodeling</td>
<td>$67,350</td>
</tr>
<tr>
<td>Gregory Hall, remodeling room 446</td>
<td>$4,380</td>
</tr>
<tr>
<td>Harker Hall, remodeling</td>
<td>$1,886</td>
</tr>
<tr>
<td>Illini Hall, prefab sound room</td>
<td>$1,361</td>
</tr>
<tr>
<td>Lincoln Hall, remodeling</td>
<td>$10,474</td>
</tr>
<tr>
<td>Natural History Building, remodeling</td>
<td>$33,377</td>
</tr>
<tr>
<td>Noyes Laboratory, remodeling</td>
<td>$23,773</td>
</tr>
<tr>
<td>Men's Old Gymnasium, remodeling</td>
<td>$7,250</td>
</tr>
<tr>
<td>Skating Rink, roof repairs</td>
<td>$38,079</td>
</tr>
<tr>
<td>Veterinary Clinic, painting</td>
<td>$1,746</td>
</tr>
<tr>
<td>Library, remodeling room 19</td>
<td>$2,124</td>
</tr>
<tr>
<td>807 South Lincoln Avenue, remodeling</td>
<td>$7,954</td>
</tr>
<tr>
<td>Dixon Springs, improvements</td>
<td>$4,610</td>
</tr>
<tr>
<td>Dixon Springs, laboratory repairs and replacements</td>
<td>$2,864</td>
</tr>
<tr>
<td>1208 West Springfield Avenue, remodeling</td>
<td>$2,637</td>
</tr>
<tr>
<td>Central Receiving Station, remodeling</td>
<td>$6,590</td>
</tr>
<tr>
<td>Hydraulics Research Laboratory, remodeling</td>
<td>$8,950</td>
</tr>
<tr>
<td>Quonset building, remodeling</td>
<td>$1,862</td>
</tr>
<tr>
<td>1205 West Nevada Street, relocation and remodeling</td>
<td>$59,000</td>
</tr>
<tr>
<td>26 East Springfield Avenue, remodeling</td>
<td>$1,150</td>
</tr>
<tr>
<td>1207 West Oregon Street, renovation</td>
<td>$3,318</td>
</tr>
<tr>
<td>907 South Sixth Street, remodeling</td>
<td>$4,273</td>
</tr>
<tr>
<td>Bicycle parking areas</td>
<td>$2,445</td>
</tr>
<tr>
<td>Bicycle lanes</td>
<td>$1,946</td>
</tr>
<tr>
<td>Stadium Drive recreational area</td>
<td>$12,079</td>
</tr>
<tr>
<td>Women's Gymnasium, sidewalks</td>
<td>$3,155</td>
</tr>
<tr>
<td>Storm sewer, improvements</td>
<td>$2,500</td>
</tr>
<tr>
<td>Orchard Street, machine shed</td>
<td>$6,994</td>
</tr>
<tr>
<td>Animal Science, farm improvements</td>
<td>$16,092</td>
</tr>
</tbody>
</table>
| Thirty-seven items ranging from $8 to $903                                        | $13,935  
| **Total, Urbana-Champaign**                                                      | $127,936  
|                                                                                   | (2,116,629) |

**Medical Center, Chicago**

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>General administration and expense</td>
<td>$3,131</td>
</tr>
<tr>
<td>Estimates and alterations</td>
<td>$3,867</td>
</tr>
<tr>
<td>Aeromedical and Physical Environment</td>
<td>$6,998</td>
</tr>
<tr>
<td>Medicine</td>
<td>$1,058</td>
</tr>
<tr>
<td>Dentistry</td>
<td>$16,208</td>
</tr>
<tr>
<td>Pharmacy</td>
<td>$3,471</td>
</tr>
<tr>
<td>Graduate College</td>
<td>$1,038</td>
</tr>
<tr>
<td>Nursing</td>
<td>$19,883</td>
</tr>
<tr>
<td>Physical Education for Men</td>
<td>$2,560</td>
</tr>
<tr>
<td>Division of Services for Crippled Children</td>
<td>$2,000</td>
</tr>
<tr>
<td>Research and Educational Hospitals</td>
<td>$305,055</td>
</tr>
<tr>
<td>Library</td>
<td>$47,562</td>
</tr>
<tr>
<td></td>
<td>454^</td>
</tr>
</tbody>
</table>

**Physical Plant**

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular operation and maintenance</td>
<td>$38,221</td>
</tr>
<tr>
<td>Renewals and replacements</td>
<td>$105,113</td>
</tr>
<tr>
<td>Medical Center Steam Plant</td>
<td>$82,672</td>
</tr>
<tr>
<td></td>
<td>226,006</td>
</tr>
</tbody>
</table>

**Unexpended plant**

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Research Laboratory, electronic air cleaners, installation</td>
<td>$1,154</td>
</tr>
<tr>
<td>Physical Plant, ducts, replacement</td>
<td>$30,384</td>
</tr>
<tr>
<td>Physical Plant, room 125, partitioning</td>
<td>$1,193</td>
</tr>
<tr>
<td>Orthopaedics Center, rehabilitation</td>
<td>$1,359</td>
</tr>
<tr>
<td>Television equipment</td>
<td>$5,468</td>
</tr>
<tr>
<td>Dental Admitting Clinic, remodeling</td>
<td>$2,034</td>
</tr>
<tr>
<td>Chemistry, special equipment</td>
<td>$6,238</td>
</tr>
<tr>
<td>Drug and Horticulture Station, special equipment</td>
<td>$7,181</td>
</tr>
<tr>
<td>Pharmacy, special equipment</td>
<td>$6,966</td>
</tr>
<tr>
<td>Manufacturing Pharmacy area, remodeling</td>
<td>$1,699</td>
</tr>
<tr>
<td>Research and Educational Hospitals, special equipment</td>
<td>$6,540</td>
</tr>
</tbody>
</table>

^1 Deduct.
Vacumatic sterilizer, purchase and installation......... 2 703
Research and Educational Clinics, furniture and equipment ............................................................................. 7 068
Spectrophotometer, purchase ......................................................................................................................... 8 000
Hospital Residence, special equipment ......................................................................................................... 2 400
Research and Educational Nursing, furniture and equipment ........................................................................ 2 541
Research and Educational Nursing, special equipment .................................................................................. 2 400
Research and Educational Operating and Recovery Rooms, special equipment ........................................... 4 250
Research and Educational Pathology, special equipment .............................................................................. 1 400
Fluoroscopic units, purchase ........................................................................................................................ 30 435
Intercommunication system, replacement ...................................................................................................... 2 289
Research and Educational Radiology, special equipment ............................................................................ 21 548
Architectural studies for future buildings ...................................................................................................... 7 599
Telephone central system, installation ........................................................................................................... 8 840
Twenty-six items ranging from $74 to $819 ................................................................................................... 11 583 242 272

Total, Medical Center, Chicago ............................................. (773 409)

Chicago Undergraduate Division
General administration and expense ............................................. 6 100
Auditorium expense ........................................................................................................................................ 529
Demographic statistical study .......................................................................................................................... 249\(^{1}\) 6 380
Liberal Arts and Sciences .................................................................................................................................. 13 269
Engineering ....................................................................................................................................................... 9 749
Architecture and Art .......................................................................................................................................... 4 310\(^{1}\)
Graduate College ............................................................................................................................................... 2 405
Business Administration ................................................................................................................................ 1 074
Physical Education .......................................................................................................................................... 1 669
Armed Forces .................................................................................................................................................. 667
Library ............................................................................................................................................................... 5 540
Physical Plant
Regular operation and maintenance .................................................................................................................. 14 720
Building rentals and insurance ......................................................................................................................... 8 103 22 823

Unexpended plant
Computer program, special equipment ........................................................................................................... 7 571
Engineering, laboratory equipment ................................................................................................................. 11 271
Physics, special equipment (Atomic Energy Commission matching grant) ................................................ 6 000
University facilities, equipment and remodeling .......................................................................................... 11 602\(^{1}\)
Snack Bar, lighting .......................................................................................................................................... 1 217
Six items ranging from $98 to $720 .................................................................................................................. 2 462 16 919

Total, Chicago Undergraduate Division ......................................................................................................... (76 185)

Grand Total ................................................................................................................................................... $2 966 223

On motion of Mrs. Watkins, these reappropriations were approved by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACT FOR PUBLICATION OF PROGRAMMED INSTRUCTIONAL MATERIAL**

(19) The Dean of the College of Medicine and the Vice-President for the Medical Center recommend authorization of a contract between the Board of Trustees of the University of Illinois, Dr. Arnold Wolf (author), and the Williams and Wilkins Company (publisher), 428 East Preston, Baltimore, Maryland, for publication of a programmed book, *Introduction to Body Fluid Metabolism*, prepared as a scholarly contribution by Dr. Arnold Wolf, Professor and Head of the Department of Physiology in the College of Medicine, with the assistance of technical programming experts provided by the Office of Research in Medical Education.

The proposed tripartite contract for publication of this work will provide for an equal division of royalties between Dr. Wolf and the University. This arrange-\(^{1}\) Deduct.
ment has been approved by the Executive Vice-President and Provost, the Vice-President and Comptroller, and the Legal Counsel.

I concur.

On motion of Mr. Williamson, this contract was authorized.

PURCHASES

Purchases Authorized

(20) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.

Purchase from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two silos, size 14 ft. diameter by 35 ft. high, including foundation and concrete floor to be furnished and erected at the University Beef Farm, Urbana</td>
<td>Animal Science</td>
<td>Madison Silos, Division of Martin-Marietta Corp., El Paso</td>
<td>$3,635.00 f.o.b. delivered and erected</td>
</tr>
</tbody>
</table>

Purchase from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One tachistoscope, three-channel, with a total of five time interval generators, one for each channel, and two to control durations between channels</td>
<td>Psychology</td>
<td>Scientific Prototype Manufacturing Co., New York, N.Y.</td>
<td>$3,236.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 5,000 copies, Unit 5 Students' Edition, High School Mathematics, trim size 8½ in. by 11 in., approximately 300 pages per copy</td>
<td>University Press</td>
<td>Braun &amp; Brumfield, Ann Arbor, Mich.</td>
<td>3,478.00 f.o.b. delivered</td>
</tr>
<tr>
<td>2,325 signs, parking lot, complete with aluminum back and scotchite face</td>
<td>Physical Plant</td>
<td>Illinois State Penitentiary, Pontiac</td>
<td>6,604.00 f.o.b. Pontiac</td>
</tr>
<tr>
<td>6,300 numerals, one in. high, scotchite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,000 letters, one in. high, scotchite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,000 numerals, two in. high, scotchite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>600 letters, two in. high, scotchite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For the new parking program</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>294 shelves, plywood, size 1 ft by 6 ft. by ¼ in.</td>
<td>Physical Plant, Architect's Division</td>
<td>Brewer Woodwork, Urbana</td>
<td>3,622.00 f.o.b. delivered</td>
</tr>
<tr>
<td>216 shelves, plywood, size 1 ft. by 4 ft. by ¼ in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To be made from ½-in. standard hard-wood plywood with birch or maple veneer, walnut strip edging ¼-in. thick on three sides, walnut finish, to be used as book shelves in offices of the Armory addition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One replacement rotor support and other related repair parts for the Burrill Hall air compressor unit, which is part of the air conditioning system for the building including the system for the constant temperature rooms used in research</td>
<td>Physical Plant</td>
<td>York Corp., Chicago</td>
<td>2,890.04 f.o.b. York, Pa.</td>
</tr>
</tbody>
</table>

On motion of Mrs. Watkins, these purchases were approved.

Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.
grants and grants from corporations and other donors, and from University revolving funds authorized by law.

**Purchases from Appropriated Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One infrared spectrophotometer and accessories</td>
<td>Pharmacy-Chemistry, Chicago</td>
<td>The Perkin-Elmer Corp., La Grange</td>
<td>$6,237.50</td>
</tr>
<tr>
<td>Ultrasonic cleaning equipment</td>
<td>Research and Educational Hospitals, Chicago</td>
<td>Zimmer-Ramsay Associates, Chicago</td>
<td>$3,950.00</td>
</tr>
<tr>
<td>6,575 diploma covers; this is the total requirement for Urbana and the Medical Center for the period of September 25, 1963, through June 30, 1964</td>
<td>Admissions and Records, Chicago</td>
<td>The Welch Scientific Co., Chicago</td>
<td>$7,364.00</td>
</tr>
<tr>
<td>4,392 ring binders, three ring, various sizes</td>
<td>Office Supply Storeroom, Urbana</td>
<td>Standard Stationery Supply, Chicago</td>
<td>$6,486.48</td>
</tr>
<tr>
<td>Furnish and apply asphalt and aggregate for seven small parking lots, an alley, and a service drive on the Urbana campus, and provide seal coating for Orchard Street area within in Orchard Downs housing area of the Urbana campus</td>
<td>Physical Plant, Urbana</td>
<td>Parro Construction Corp., Oak Park, Cincinnati</td>
<td>$3,377.00</td>
</tr>
<tr>
<td>One lathe, tool room type, 13 in. by 42 in. centers, with 15 3/4 in. swing over bed and complete with collets and motor</td>
<td>Physical Plant, Oak Park</td>
<td>R. K. LeBlond Machine Tool Co., Cincinnati, Ohio</td>
<td>$4,792.27</td>
</tr>
<tr>
<td>One grinder, surface, hydraulic, 10 in. by 16 in. to be used by the Physical Plant Department’s machine shop for general toolroom work</td>
<td>Physical Plant, Chicago</td>
<td>The Jackson-Fotach Co., Chicago</td>
<td>$4,127.00</td>
</tr>
<tr>
<td>Print and bind 6,000 copies of 1963-64 Student Directory, trim size 7 3/4 in. by 9 3/4 in., approximately 296 pages per copy</td>
<td>University Press, Ann Arbor, Mich.</td>
<td>Cushing-Malloy, Inc., Chicago</td>
<td>$2,762.00</td>
</tr>
<tr>
<td>Labor, equipment, and material to repair and coat 215,000 sq. ft. of the roof of the Mechanical Engineering Laboratory with a glass fabric material similar to that now on the roof</td>
<td>Physical Plant Storeroom, Chicago</td>
<td>Coatings Application Corp., St. Louis, Mo.</td>
<td>$3,019.00</td>
</tr>
</tbody>
</table>

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
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</tr>
</thead>
<tbody>
<tr>
<td>One automatic gas chromatograph and accessories</td>
<td>Biological Chemistry, Chicago</td>
<td>Wilkins Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>$4,136.44</td>
</tr>
<tr>
<td>One continuous liquid flow detector</td>
<td>Biological Chemistry, Chicago</td>
<td>Packard Instrument Co., La Grange</td>
<td>$2,750.00</td>
</tr>
<tr>
<td>One ultracentrifuge with two fixed-angle rotors</td>
<td>Biological Chemistry, Chicago</td>
<td>Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$9,542.00</td>
</tr>
<tr>
<td>One flame photometer attachment for the Clinical Research Center’s autoanalyzer</td>
<td>Clinical Research Center, Chicago</td>
<td>Technician Instrument Co., Chauncey, N.Y.</td>
<td>$2,900.00</td>
</tr>
<tr>
<td>One photomicroscope and accessories</td>
<td>Illustration Studios, Chicago</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$3,768.30</td>
</tr>
<tr>
<td>One lot of laboratory supplies and equipment consisting of one spectrophotometer and power supply, 20 dozen plastic bottles, six plastic-carboys, 48 rolls aluminum foil, 12 glass funnels, 24 bottles oil of cedar, six plastic pails, one pipette rinser, 200 ft. plastic tubing, three dozen slide boxes, 200 oz. microscope cover glasses, 50 gross microscope slides, 192 sponges, 144 vials heparinized capillary tubes</td>
<td>Medicine, Chicago</td>
<td>LaPine Scientific Co., Chicago</td>
<td>$3,670.00</td>
</tr>
<tr>
<td><strong>Item</strong></td>
<td><strong>Department</strong></td>
<td><strong>Vendor</strong></td>
<td><strong>Cost</strong></td>
</tr>
<tr>
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</tr>
<tr>
<td>Labor and material to construct a tile drainage system on Allerton Trust Farm No. 6</td>
<td>Agricultural Economics</td>
<td>Clyde I. Williams, Homer</td>
<td>$15,936.20</td>
</tr>
<tr>
<td>One gas chromatograph with electron capture detector, columns, injectors, filters, and tubing complete with recorder and disc integrator, to be used to determine the residues in the soil resulting from the application of weed killers</td>
<td>Agronomy</td>
<td>Wilkins Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>$2,802.30</td>
</tr>
<tr>
<td>One furnace, high temperature, with pneumatic motor, safety system, and sighting bracket, to be used in the study of the effect of firing (heating) in the range of 3,500 to 4,000 degrees Fahrenheit on the optimization of properties of refractories</td>
<td>Ceramic Engineering</td>
<td>Bickley Furnaces, Inc., Philadelphia, Pa.</td>
<td>$7,832.95</td>
</tr>
<tr>
<td>One recorder, tape, FM portable, with four record channels and four playback channels, dynamic braking on all modes of operation, electronic phase lock from tone wheel for speed control, calibration unit for adjusting the instrument while in place, speeds of 30, 15, 5, and 1.5 in. per second, signal to noise ratio never less than 42 db. (Note: This purchase is made from both Appropriated Funds, $1,210.00, and Institutional Funds, $5,600.00, for a total of $6,810.)</td>
<td>Chemistry and Chemical Engineering</td>
<td>Minneapolis-Honeywell Regulator Co., Harvey</td>
<td>$5,600.00</td>
</tr>
<tr>
<td>Three spectrophotometers, power supply, hydrogen lamp, test tube holders, temperature regulation assembly, 48 autotransformers and 2,850 ft. of plastic laboratory tubing for stock in the General Chemical Stores; this is an estimated three-month supply</td>
<td>General Chemical Stores</td>
<td>Schaar Scientific Co., Chicago</td>
<td>$7,250.00</td>
</tr>
<tr>
<td>One lot of laboratory apparatus and supplies, estimated to be a three-month supply</td>
<td>General Chemical Stores</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$103.09</td>
</tr>
<tr>
<td>One carrier system (power amplifiers), four-channel, to furnish additional driving power for existing recording oscillograph system</td>
<td>Civil Engineering</td>
<td>Consolidated Electrodynamics, Pasadena, Calif.</td>
<td>$3,972.00</td>
</tr>
<tr>
<td>One shadow box mount</td>
<td>Digital Computer Laboratory</td>
<td>Applied Development Corp., Monterey Park, Calif.</td>
<td>$2,965.00</td>
</tr>
<tr>
<td>100 racks circuit card relay files for standard relay rackmounts for 30, 22-pin connectors at 9/16 in. centers to mount 3.9-in. board with foot dimensions of 0.18 in.; connectors not included; delete guide foot spacers and stainless steel rods</td>
<td>Digital Computer Laboratory</td>
<td>Texas Instruments, Inc., St. Louis, Mo.</td>
<td>$7,000.00</td>
</tr>
<tr>
<td>50,000 diodes, silicon</td>
<td>Digital Computer Laboratory</td>
<td>NJE Corp., c/o Ridgway Associates, Inc., Chicago</td>
<td>$7,650.00</td>
</tr>
<tr>
<td>System of five power supply units, d.c., silicon controlled rectifier design, output voltage 2 to 20 volts continuously, 20 volts d.c. 600 amps. d.c. output, current of one supply: minimum 50 amps. and maximum 120 amps.</td>
<td>Digital Computer Laboratory</td>
<td>Smyth Research Associates, San Diego, Calif.</td>
<td>$13,699.00</td>
</tr>
<tr>
<td>One special receiving system, including a two-frequency receiver, 360 mc. preamplifier and two-frequency signal generator</td>
<td>Electrical Engineering</td>
<td>Central Engineering Sales Co., Lombard</td>
<td>$2,618.00</td>
</tr>
<tr>
<td>One preset electronic timer, with increments down to 0.1 seconds</td>
<td>Nuclear Engineering</td>
<td>Central Engineering Sales Co., Lombard</td>
<td>$4,335.00</td>
</tr>
<tr>
<td>Three scalers, 6 decade, with 10 volt positive polarity</td>
<td>Nuclear Engineering</td>
<td>Central Engineering Sales Co., Lombard</td>
<td>$4,335.00</td>
</tr>
<tr>
<td>One cabinet for mounting the above equipment as a unit</td>
<td>Nuclear Engineering</td>
<td>Central Engineering Sales Co., Lombard</td>
<td>$4,335.00</td>
</tr>
<tr>
<td>Item</td>
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<tr>
<td>---------------------------------------------------------------------</td>
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</tr>
<tr>
<td>One lathe, toolroom engine type, 18 in.</td>
<td>Physics</td>
<td>Hardinge Brothers, Inc., Chicago</td>
<td>$7,375.00</td>
</tr>
<tr>
<td>between centers, 12-in. swing over bed with variable spindle speeds and variable power feed</td>
<td></td>
<td></td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>Seven single crystals of highest purity anhydrous lanthanum trichloride to be used in measurements of electron spin relaxation times</td>
<td>Physics</td>
<td>Semi-Elements, Inc., Saxonburg, Pa.</td>
<td>$3,300.00</td>
</tr>
<tr>
<td>One amplifier, vibrating reed type, with 10 c.p.s. response and gain of 2 by 10⁶, stability of 1 by 10⁻⁴ amperes zero drift per hour</td>
<td>Physics</td>
<td>Applied Physics Corp., Chicago</td>
<td>$3,550.00</td>
</tr>
<tr>
<td>Two electrometers, vibrating reed type, ten input ranges of 1 millivolt to 30 volts, capable of detecting 10⁻³ amperes, 5 by 10⁻¹⁴ coulombs and .02 millivolts</td>
<td>Physics</td>
<td>Applied Physics Corp., Chicago</td>
<td>$4,090.00</td>
</tr>
<tr>
<td>Two multiple resistor switches for use with above with three input resistors of 10⁹, 10⁻⁵, and 10⁻³ ohms</td>
<td>Physiology and Biophysics</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$4,176.45</td>
</tr>
<tr>
<td>Nine microscopes, phase contract with revolving nosepieces, condenser carrier with rack and pinions, square stages with built-on mechanical stages without graduation, but including inclined binocular bodies; less trade-in of three obsolete microscopes</td>
<td>Zoology</td>
<td></td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>(Note: This purchase is made from both Institutional Funds, $4,176.45, and Appropriated Funds, $2,691.96, for a total of $6,868.41.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Four oscilloscopes, dual-beam, sensitivity 200 microvolt/cm to 20 v/cm; d.c.-coupled, both beams, differential input at all sensitivities; calibrated sweep 1 microsecond/cm to 5 sec/cm; x-y curve tracing with two beams; range of d.c. to 100 kc, increasing to d.c. to 1 mc</td>
<td>Physiology and Biophysics</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>$4,200.00</td>
</tr>
<tr>
<td>Four recorder assemblies, each to be two-channel, expandable to six-channel, ink curvilinear recording, 2 per cent linearity, 2 microvolt/mm input, d.c. to 150 c/s frequency response; 200 packs recording paper</td>
<td></td>
<td></td>
<td>f.o.b. Beaverton, Ore.</td>
</tr>
<tr>
<td>18,300 pounds of clams, soft shell (Mya Arenaria), shucked but intact, packed in number 10C enamel cans, and refrigerated for delivery in four shipments to the Quartermaster Corps Radiation Center in Natick, Massachusetts</td>
<td>Veterinary Medicine</td>
<td>Maryland Clam Co., Inc., Easton, Md.</td>
<td>$11,300.25</td>
</tr>
<tr>
<td>One laboratory glassware washer, fully automatic with spindle headers which direct a high-speed jet water stream into the glassware</td>
<td>Veterinary Medicine</td>
<td>Better Build Machinery Corp., New York, N.Y.</td>
<td>$3,036.00</td>
</tr>
<tr>
<td>Print and bind six issues of Illinois Teacher of Home Economics, 4,000 copies per issue, approximately 48 pages per copy, trim size 8 1/4 in. by 11 in</td>
<td>Home Economics Education</td>
<td>Cushing-Malloy, Inc., Ann Arbor, Mich.</td>
<td>$3,450.00</td>
</tr>
<tr>
<td>University's share of program for the acquisition, cataloging, and preparation of printed catalog cards for publications received from India and Pakistan under the Public Law 480 Program covering the period July 1, 1963, through June 30, 1964</td>
<td>Library</td>
<td>Library of Congress, Washington, D.C.</td>
<td>$6,500.00</td>
</tr>
<tr>
<td>Tabulating forms for use on IBM-type 407 accounting machines and IBM-type 1403 printers in the following sizes and quantities: 70,000 sets, overall size 14 3/4 in. wide by 11 in. long; 120,000 sets, overall size 10 1/4 in. wide by 11 in. long; 75,000 sets, overall size 8 1/4 in. wide by 11 in. long</td>
<td>Statistical Service Unit</td>
<td>Moore Business Forms, Inc., Danville</td>
<td>$2,776.65</td>
</tr>
</tbody>
</table>

1963
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thirty-one films, 16 mm. miscellaneous, color and black and white</td>
<td>Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>$3,915.00</td>
</tr>
<tr>
<td>Thirteen films, 16 mm. color, &quot;Your Career&quot; series</td>
<td>Visual Aids Service</td>
<td>Modern Learning Aids, Chicago</td>
<td>2,730.00</td>
</tr>
<tr>
<td>64 air filters in 65 ft. continuous lengths and in widths of 3 ft., 4 ft., and 5 ft., to be used in air filtering machines in various areas of the Assembly Hall</td>
<td>Assembly Hall</td>
<td>Air Filter &amp; Equipment Co., Chicago</td>
<td>2,736.00</td>
</tr>
<tr>
<td>125 dozen sheets, bed, 63 in. by 108 in., type 140</td>
<td>Housing Division</td>
<td>Kartoll's, Inc., Chicago</td>
<td>2,917.50</td>
</tr>
<tr>
<td>125 dozen pillowcases, 42 in. by 36 in., type 140</td>
<td>Office Supply Storeroom</td>
<td>Levin Brothers Paper Corp., Chicago</td>
<td>13,905.25</td>
</tr>
<tr>
<td>30 cases containers, pint size, with lids</td>
<td>Office Supply Storeroom</td>
<td>Melvin Electronics, Chicago</td>
<td>3,624.96</td>
</tr>
<tr>
<td>120,000 sandwich bags, waxed</td>
<td>Office Supply Storeroom</td>
<td>Melvin Electronics, Chicago</td>
<td>3,624.96</td>
</tr>
<tr>
<td>Fifty-five panelboards, necessary panel-board trim, and 324 circuit breakers for the Physical Plant Storeroom stock to be used for remodeling and upgrading of various electrical systems around the Urbana campus; this is an estimated six-month supply</td>
<td>Physical Plant Supply, Danville</td>
<td>Westinghouse Electrical Supply, Danville</td>
<td>4,208.76</td>
</tr>
<tr>
<td>One camera, high speed, 16 mm. 100 ft. capacity, 150 to 6,000 pictures per second, with timing light, automatic cutoff at end of film, record oscillographic trace and picture image simultaneously, two 50 mm. F 2.0 lenses, two-sided rotating prism, shutter speed 1/30,000 second at 6,000 pictures/second</td>
<td>Agricultural Engineering</td>
<td>Behrend's, Inc., Chicago</td>
<td>3,760.00</td>
</tr>
<tr>
<td>One control unit</td>
<td></td>
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<td></td>
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<tr>
<td>One exposure meter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One lens, 35 mm. F 2.0, picture image</td>
<td>Agronomy</td>
<td>Thomas A. Edison Industries, Peoria</td>
<td>9,408.00</td>
</tr>
<tr>
<td>Furnish and install: Twenty dictating machines, fully transistorized, desk model, complete with dictating accessories</td>
<td>Agronomy</td>
<td>Nuclear-Chicago Corp., Des Plaines</td>
<td>6,053.50</td>
</tr>
<tr>
<td>Twelve transcribing machines, fully transistorized, desk model, complete with transcribing accessories</td>
<td>Agronomy</td>
<td>Nuclear-Chicago Corp., Des Plaines</td>
<td>6,053.50</td>
</tr>
<tr>
<td>Less trade-in of ten dictating machines and six transcribing machines</td>
<td>Agronomy</td>
<td>Nuclear-Chicago Corp., Des Plaines</td>
<td>6,053.50</td>
</tr>
<tr>
<td>One planchet counting system, with automatic low background and time printout, consisting of the following components: one sample changer, one printing timer, one scaler, sample pans and one betatrace reference standard radiotope</td>
<td>Ceramic Engineering</td>
<td>Barber-Colman Co., Industrial Instruments Division, Chicago</td>
<td>3,534.99</td>
</tr>
<tr>
<td>One program system control center consisting of program selector assembly; timer assembly; plug-in line cords, plugs, and sockets; strip chart 12-in. potentiometer recorder; and silicon controlled rectifier power unit, 3KVA output at 25 amps. maximum</td>
<td>Ceramic Engineering</td>
<td>Barber-Colman Co., Industrial Instruments Division, Chicago</td>
<td>3,534.99</td>
</tr>
<tr>
<td>One radio frequency unit with matching probe, one crystal for modifying above for study of lithium, and one probe insert for above crystal, to be used to study the nuclei of lithium and phosphorous</td>
<td>Chemistry and Chemical Engineering</td>
<td>Varian Associates, Palo Alto, Calif.</td>
<td>3,500.00</td>
</tr>
</tbody>
</table>

(Note: This purchase is made from both Institutional Funds $3,500.00, and Appropriated Funds, $2,326.95, for a total of $5,826.95.)
### Item

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<thead>
<tr>
<th>Item</th>
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<tr>
<td>One spectrophotometer with range of 1750 to 8000 angstroms repetitive scan, program timer, mercury arc assembly, thermostable absorption cell compartment, absorptivity recorder and wavelength marker pen for qualitative and quantitative studies of any ultraviolet or visible absorbing material in studies of kinetics and structure determinations of purine type compounds</td>
<td>Chemistry and Chemical Engineering</td>
<td>Applied Physics Corp., Monrovia, Calif.</td>
<td>$15 175.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One ultracentrifuge, preparative, refrigerated, and with vacuum system complete with high-capacity angle head rotor and high-capacity swinging bucket rotor, to be used in separating a lipoprotein component from the electron-transport complex</td>
<td>Chemistry and Chemical Engineering</td>
<td>Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$9 797.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Two X-ray generators and controls, 60 kvp., 50 ma., adaptable for X-ray spectrograph with tube housing, shutters, filter selector discs and rectifiers, but excluding X-ray tubes, less trade-in of five X-ray generators with tubes</td>
<td>Chemistry and Chemical Engineering</td>
<td>Philips Electronic Instruments, Chicago</td>
<td>$9 275.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Two X-ray diffraction tubes (one copper and one cobalt target)</td>
<td>Applied Physics Corp., Monrovia, Calif.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One film illuminator and measuring device</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Five tack and bracket assemblies</td>
<td>General Chemical Stores</td>
<td>F. P. Jay Chemicals, Inc., Waukesha, Wis.</td>
<td>$5 010.77 f.o.b. delivered</td>
</tr>
<tr>
<td>One lot chemical solvents to be used as standard stock in the General Chemical Stores for the fall and winter term of 1963-64</td>
<td>General Chemical Stores</td>
<td>J. T. Baker Chemical Co., Chicago</td>
<td>$4 406.44 f.o.b. delivered</td>
</tr>
<tr>
<td>435 items laboratory chemicals to be used as stock in the General Chemical Stores for the fall and winter term of 1963-64</td>
<td>General Chemical Stores</td>
<td>Mallinckrodt Chemical Works, St. Louis, Mo.</td>
<td>$6 742.78 f.o.b. delivered</td>
</tr>
<tr>
<td>5,000 transistors, 15 volt, epitaxial, mesa PNP, germanium, switching</td>
<td>General Chemical Stores</td>
<td>F. P. Jay Chemicals, Inc., Waukesha, Wis.</td>
<td>$5 010.77 f.o.b. delivered</td>
</tr>
<tr>
<td>1,000 hours special engineering services for design and fabrication of special electronic equipment for ultrasonic research</td>
<td>General Chemical Stores</td>
<td>F. P. Jay Chemicals, Inc., Waukesha, Wis.</td>
<td>$5 010.77 f.o.b. delivered</td>
</tr>
<tr>
<td>One X-ray diagnostic system consisting of power supply and tube, cine fluoroscope, and body section radiographic equipment, to be used in the study of the effect of speech and mastication on the jaw joint</td>
<td>General Chemical Stores</td>
<td>F. P. Jay Chemicals, Inc., Waukesha, Wis.</td>
<td>$5 010.77 f.o.b. delivered</td>
</tr>
<tr>
<td>One microwave sweep oscillator, 8.2 to 12.4 GC, 10 MW output, with power leveler; to be used in the Coordinated Science Laboratory in conjunction with federal research projects</td>
<td>Coordinated Science Laboratory</td>
<td>Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago</td>
<td>$3 090.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One X-ray diagnostic system consisting of power supply and tube, cine fluoroscope, and body section radiographic equipment, to be used in the study of the effect of speech and mastication on the jaw joint</td>
<td>Dental Radiology, Chicago</td>
<td>General Electric Co., X-Ray Department, Milwaukee, Wis.</td>
<td>$62 075.00 delivered</td>
</tr>
<tr>
<td>5,000 transistors, 15 volt, epitaxial, mesa PNP, germanium, switching</td>
<td>Digital Computer Laboratory</td>
<td>Motorola Semiconductor Products, Inc., Chicago</td>
<td>$3 250.00 f.o.b. Phoenix, Ariz.</td>
</tr>
<tr>
<td>One lathe, toolroom, precision, high speed, 11-in. swing over bed and 18-in. distance between centers, with collets, chucks, taper turning attachment, and micrometer carriage stop</td>
<td>Electrical Engineering</td>
<td>Leichner Manufacturing Co., Champaign</td>
<td>$7 000.00 f.o.b. Champaign</td>
</tr>
<tr>
<td>One ultra-microtome with stereomicroscope attachment for use in general laboratory work in the Entomology Department</td>
<td>Electrical Engineering</td>
<td>Hardinge Brothers, Inc., Chicago</td>
<td>$7 798.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One film illuminator and measuring device</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Five tack and bracket assemblies</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One lot chemical solvents to be used as standard stock in the General Chemical Stores for the fall and winter term of 1963-64</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5,000 transistors, 15 volt, epitaxial, mesa PNP, germanium, switching</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,000 hours special engineering services for design and fabrication of special electronic equipment for ultrasonic research</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One X-ray diagnostic system consisting of power supply and tube, cine fluoroscope, and body section radiographic equipment, to be used in the study of the effect of speech and mastication on the jaw joint</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One microwave sweep oscillator, 8.2 to 12.4 GC, 10 MW output, with power leveler; to be used in the Coordinated Science Laboratory in conjunction with federal research projects</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One X-ray diagnostic system consisting of power supply and tube, cine fluoroscope, and body section radiographic equipment, to be used in the study of the effect of speech and mastication on the jaw joint</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Item  | Department        | Vendor                              | Cost     
--- |-------------------|-------------------------------------|----------
One hexotherm apparatus for use in studies of growth and metabolic responses of psychrophilic microorganisms using a given inoculum or cell suspension | Food Science | American Instrument Co., Inc., Barrington | $ 7,582.00 f.o.b. Silver Spring, Md. 
One manometer, special, multiple tube, portable, back lighted, suitable for photographic recording techniques, to be used to measure several pressures simultaneously on equipment placed in an existing wind tunnel | Mechanical and Industrial Engineering | Carl F. Gast Co., St. Louis, Mo. | 3,397.00 f.o.b. delivered 
Furnish engineering, materials, and labor to fabricate a steam jet ejector unit, capacity to be 5 lb/hr 100°F, dry air, over-all dimensions not to exceed 3 ft. 3 in. in length and 9 ft. 6 in. in width | Mechanical and Industrial Engineering | Worthington Corp., Chicago | 15,475.00 f.o.b. delivered 
Furnish engineering, materials, and labor to fabricate a test chamber, 6 ft. 1 in. diameter by 6 ft. long | Mechanical and Industrial Engineering | Nooter Corp., St. Louis, Mo. | 4,216.50 f.o.b. delivered 
One electrophoresis apparatus with slit-cylinder lens system for schlieren and interference measurements, polaroid land-camera back, internal power supply and self-contained refrigeration system | Microbiology | The Perkin-Elmer Corp., La Grange | 8,843.00 f.o.b. delivered 
One tape-to-plotter conversion system | Physics | Microdyne, Inc., Wheeling | 5,082.00 f.o.b. delivered 
One, each, single crystals, silver and gold, 99.999 per cent purity, large enough so that six specimens may be obtained from each single crystal with orientations and lapping | Physics | Semi-Elements, Inc., Saxonburg, Pa. | 3,476.00 f.o.b. delivered 
19,500 cc. high purity helium gas at standard temperature and pressure, supplied in three containers, each of 6,500 cc. | Physics | Gaseous Isotopes Sales, Monsanto Chemical Co., Mound Laboratory, Miamisburg, Ohio | 3,240.00 f.o.b. delivered 
One high-speed digital magnetic tape unit consisting of four magnetic tape drives which shall be electrically and mechanically compatible with the connections provided for interconnection of a Control Data Corporation 1607 to CDC types 1604 and 160-A computers, located at the University of Illinois, to be factory reconditioned with a new unit warranty, including all maintenance and parts for a period of ninety days from date of acceptance | Physics | Control Data Corp., Melrose Park | 50,000.00 f.o.b. Minneapolis, Minn. 
Care and maintenance of dogs and cats in a special private animal room, 250 sq. ft., completely weatherproofed, air conditioned, and heated, with a maximum permissible temperature range of 70° to 80°F; facilities must be capable of handling a maximum of 16 dogs and 24 cats simultaneously; however, the average daily number will be five dogs and five cats, for the period October 1, 1963, through June 30, 1965, as part of a special neurophysiological research project sponsored by the United States Public Health Service and the Corn Products Institute of Nutrition | Psychology | Dr. Russell Beaumont, Veterinarian, Urbana | 3,500.00 f.o.b. delivered 
Two recorders, oscillograph, direct recording with interchangeable preamplifiers, two channels wired for six channels, high sensitivity | Psychology | Spinco Division, Beckman Instruments, Inc., Lincolnwood | 8,925.00 f.o.b. delivered 
One ditto, except four channels, wired for six channels | Visual Aids Service | Encyclopedia Britannica Films, Inc., Wilmette | 3,360.00 f.o.b. delivered 
Twenty-two films, 16 mm., miscellaneous black and white and color, less return of damaged prints | Visual Aids Service | Encyclopedia Britannica Films, Inc., Wilmette | 3,360.00 f.o.b. delivered
Print and bind 10,000 copies of *Robert Allerton Park* brochure, trim size 9 in. by 12 in., approximately forty pages per copy.

One spectrophotometer, recording range 1750-8000 A with ten rectangular cylindrical, and semi-micro cells for use in the separation and purification of cell membrane proteins of *Escherichia Coli*.

One stained glass window panel, French thirteenth century, size 9 in. by 12 in., approximately forty pages.

Allerton House

Chemin Engineering

Neely Printing Co., Inc., Chicago


French & Co., Inc., New York, N.Y.

$2,965.00 delivered

$12,480.00 delivered

$6,400.00 delivered

On motion of Mrs. Watkins, these purchases were authorized.

**COMPTROLLER’S REPORT OF CONTRACTS**

(21) The Comptroller’s report of contracts executed during the period August 1 to 31, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Academy of Sciences — Highway Research HR 63-4-4</td>
<td>Development of appropriate methods for evaluating the effectiveness of stabilizing agents</td>
<td>$65,000.00</td>
<td>June 1, 1963</td>
</tr>
<tr>
<td>National Academy of Sciences — Highway Research HR 63-6-5</td>
<td>Physical factors influencing resistance of concrete to deicing agents</td>
<td>$72,500.00</td>
<td>March 1, 1963</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration NSG-443</td>
<td>Experimental test of general relativity</td>
<td>$180,000.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration NSG-504</td>
<td>Investigate electron density and collision frequency in the lower regions of the ionosphere</td>
<td>$155,540.00</td>
<td>August 1, 1963</td>
</tr>
<tr>
<td>United States Air Force AF33(608)-923</td>
<td>Provide instruction for approximately 84 students</td>
<td>$65,100.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>United States Army DA-18-108-AMC-183(A)</td>
<td>Mechanism of action of various psychotomimetic agents</td>
<td>$41,429.00</td>
<td>June 10, 1963</td>
</tr>
<tr>
<td>United States Army OI-11-070-003-09998</td>
<td>Acquisition of dynamometer</td>
<td>$3,470.00</td>
<td>June 29, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-4-10-008</td>
<td>Acceleration of intellectual development in early childhood</td>
<td>$73,981.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>United States Department of the Interior—National Park Service 14-10-0229-2743</td>
<td>Archeological survey and site salvage of the Shelbyville reservoir area and Henderson River flood control project</td>
<td>$6,000.00</td>
<td>June 25, 1963</td>
</tr>
<tr>
<td>United States Navy N228-61998</td>
<td>Instruction of officer students</td>
<td>$5,500.00</td>
<td>June 25, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$668,520.00</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joseph C. Munch, States Attorney of Moultrie County</td>
<td>Payment in lieu of taxes, for services rendered (Hackett property)</td>
<td>$1,070.78</td>
<td>April 9, 1963</td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
<td>Amount to be Paid by the University</td>
<td>Effective Date</td>
</tr>
<tr>
<td>-----------</td>
<td>---------</td>
<td>-------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Commercial National Bank of Peoria (renewal)</td>
<td>Rental of rooms 718-722, seventh floor, Central National Bank Building premises, Peoria, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$6,480.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>G. W. and Mattie Lee Filbert (renewal)</td>
<td>Rental of two-room suite, second floor, 719 Main Street, Mount Vernon, from July 1, 1963, to September 30, 1963, for Division of Services for Crippled Children</td>
<td>$195.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Cyril J. Hovey, Jr. (renewal)</td>
<td>Rental of three-room suite, first floor, 414 East Main Street, Olney, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$2,400.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>V. W. Huribert (renewal)</td>
<td>Rental of four rooms, first floor, 602 South Broadway, Urbana, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$2,640.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>International Business Machines Corp. (renewal)</td>
<td>Thirteen items: one calculator; one interpreter; one reproducer; twenty-five keypunches; two telephone signal units; one card reading punch; one memory unit; one overlap feature for 1401; one data channel; one data channel console; one nondata select trap</td>
<td>37,252.80</td>
<td>March, April, July, and August, 1963</td>
</tr>
<tr>
<td>Herman Lippold</td>
<td>Rental of two-room suite, first floor, 223 South Broad Street, Carlinville, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$1,920.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Henry S. Miller, Agent (renewal)</td>
<td>Rental of suite 602, sixth floor, 101 South Fifth Street, Springfield, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$3,960.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>National Warm Air Heating and Air Conditioning Association (renewal)</td>
<td>Rental of 1014 Lincolnshire Drive, Champaign, from July 1, 1963, to August 31, 1964, for Small Homes Council-Building Research Council</td>
<td>$3,500.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>119 North Church Street Building Corp. (renewal)</td>
<td>Rental of four-room suite, second floor, 119 North Church Street, Rockford, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$6,120.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Jacob E. and Gladys W. Reisch (renewal)</td>
<td>Rental of premises at 1105 South Sixth Street, Springfield, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$13,200.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Security Abstract &amp; Title Co. (renewal)</td>
<td>Rental of six-rooms, second floor, 10 West Washington Street, Belle ville, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$6,240.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Sycle &amp; Keefe, Inc.</td>
<td>Rental of three-rooms, first floor, 1510 North Main Street, Bloomington, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$3,000.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Charles D. Taylor</td>
<td>Rental of space, first floor, 516-520 South McKinley Street, Harrisburg, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children</td>
<td>$3,000.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Theo Wells</td>
<td>Rental of concrete-block building, 608 West Tenth Street, Metropolis, from July 1, 1963, to August 31, 1963, for zoonoses research</td>
<td>$200.00 (per month)</td>
<td>June 1, 1963</td>
</tr>
<tr>
<td>Theo Wells (renewal)</td>
<td>Rental of concrete-block building, 608 West Tenth Street, Metropolis, from July 1, 1963, to August 31, 1963, for zoonoses research</td>
<td>$400.00 (per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$90,507.80</td>
<td></td>
</tr>
</tbody>
</table>
## Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Gas Association</td>
<td>Corrosion of steels buried in soils</td>
<td>$10,000</td>
<td>January 16, 1963</td>
</tr>
<tr>
<td>Dave's Laboratories, Inc.</td>
<td>Amino acids in poultry nutrition</td>
<td>1,000</td>
<td>July 8, 1963</td>
</tr>
<tr>
<td>Illinois Archaeological Survey</td>
<td>Archaeological salvage work</td>
<td>1,665</td>
<td>August 15, 1963</td>
</tr>
<tr>
<td>The Institute of Boiler and Radiator</td>
<td>Performance of steam and hot water heating systems</td>
<td>35,740</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Manufacturers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moorman Manufacturing Co.</td>
<td>Pig starter rations</td>
<td>2,600</td>
<td>July 31, 1963</td>
</tr>
<tr>
<td>National Aeronautics and Space</td>
<td>Electron content and variations in the upper ionosphere</td>
<td>119,083</td>
<td>January 1, 1963</td>
</tr>
<tr>
<td>Administration NaG-24-59</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-2</td>
<td>Highway problems</td>
<td>16,500</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-5</td>
<td>Riveted and bolted structural joints</td>
<td>11,000</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-9</td>
<td>Impact on highway bridges</td>
<td>25,000</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-10</td>
<td>Prestressed reinforced concrete highway bridges</td>
<td>29,500</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-12</td>
<td>Soil exploration and mapping</td>
<td>30,000</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-47</td>
<td>Chemical stabilization of soils</td>
<td>7,500</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-53</td>
<td>Vehicular speed regulation</td>
<td>27,000</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-58</td>
<td>Equipment for roadside cover</td>
<td>18,500</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-59</td>
<td>Highway medians</td>
<td>20,000</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-64</td>
<td>Welded highway structures</td>
<td>26,000</td>
<td>May 29, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Public Works and Buildings, Division of Highways IHR-65</td>
<td>Drainage laws and practices</td>
<td>16,000</td>
<td>May 29, 1963</td>
</tr>
</tbody>
</table>
With Whom
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-66
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-67
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-68
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-69
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-70
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-71
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-72
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-73
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-75
State of Illinois Department of Public Works and Buildings, Division of Highways IHR-76
United States Air Force AP-33(657)-11715
United States Army DA-49-193-MD-2047
United States Navy NObs-86112

With Whom
Harry F. Fisher (Plastering)
George S. Grimmett (Plastering)

Purpose
Woody ground cover
Grasses and their establishment
Guide lines for appraisals
Traffic-linkage patterns
Social factors and traffic
Impact on urban real estate values
Creep in structural concrete
Fatigue failure in concrete
Seal coats and surface treatments
Lime stabilization of soils
Dynamic characteristics of skin-stiffener panels
Anti-radiation drugs
Pressure vessel design

Amount to be Paid to the University
$13 500 00
12 000 00
3 000 00
6 000 00
10 100 00
20 000 00
17 500 00
17 500 00
17 000 00
11 712 00
24 948 00
7 000 00

Effective Date
May 29, 1963
May 29, 1963
May 29, 1963
May 29, 1963
May 29, 1963
May 29, 1963
May 29, 1963
May 29, 1963
May 29, 1963
August 9, 1963
June 28, 1963
July 23, 1963

Total
$597 048 00

Adjustments Made in 1962-63 Cost-Plus Contracts

With Whom
Harry F. Fisher (Plastering)

Purpose
Twelve items: $117.85 deduct to $440 89

Amount
$287 89

Date
July, 1963

Adjustments Made in 1963-64 Cost-Plus Contracts

With Whom
George S. Grimmett (Plastering)

Purpose
Thirty-three items: $25.00 to $8 415 00

Amount
$3000.00

Date
July and August, 1963

Summary

Total amount to be paid to the University
$265 568 00
Total amount to be paid by the University
100 434 47

This report was received for record.
(22) The Comptroller presented his quarterly report to the Board as of June 30, 1963.
This report was received for record, and a copy has been filed with the Secretary of the Board.

INVESTMENT REPORT
Report of the Finance Committee

(23) The Finance Committee reported the following changes in investments of endowment funds for the month of July, 1963:

**Endowment Pool**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>Maturity</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$65,000</td>
<td>U.S. Treasury bonds 4%</td>
<td>8/15/72</td>
<td>$65,043 75</td>
<td></td>
</tr>
</tbody>
</table>

**Miller Temporary Endowment**

<table>
<thead>
<tr>
<th>Sale</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 rts</td>
<td>Consolidated Edison</td>
<td>$187 42</td>
</tr>
</tbody>
</table>

Report of the Comptroller

The Comptroller reported the following changes in investments of unexpended plant and current funds, over which he has authority as indicated:

**Current Funds**

Restricted Group (June 20, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>Maturity</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000 000</td>
<td>U.S. Treasury bills</td>
<td>9/26/63</td>
<td>$994 855 00</td>
<td></td>
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</tbody>
</table>

**Construction Funds**

Assembly Hall (June 23, 1959, and March 17, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>Maturity</th>
<th>( \text{Change} )</th>
</tr>
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<tbody>
<tr>
<td>$175,000</td>
<td>U.S. Treasury bills</td>
<td>10/17/63</td>
<td>$173 588 87</td>
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Illini Union and Health Center (December 21, 1960)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>Maturity</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$78,000</td>
<td>U.S. Treasury bills</td>
<td>10/17/63</td>
<td>$77 373 01</td>
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</tr>
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</table>

Illinois Street Residence Halls (October 17, 1962)

<table>
<thead>
<tr>
<th>Sale</th>
<th>Amount</th>
<th>Description</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6,000</td>
<td>U.S. Treasury bills</td>
<td>7/15/63</td>
<td>$5 996 50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>Maturity</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$45,000</td>
<td>U.S. Treasury bills</td>
<td>12/12/63</td>
<td>$44 415 40</td>
<td></td>
</tr>
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</table>

Orchard Downs and SG-2 (June 14, 1960)

<table>
<thead>
<tr>
<th>Sale</th>
<th>Amount</th>
<th>Description</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$65,000</td>
<td>U.S. Treasury bills</td>
<td>7/15/63</td>
<td>$64 945 83</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>Maturity</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$120,000</td>
<td>U.S. Treasury bills</td>
<td>10/17/63</td>
<td>$119 035 40</td>
<td></td>
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</tbody>
</table>

Orchard Downs Addition (May 24, 1962)

<table>
<thead>
<tr>
<th>Sale</th>
<th>Amount</th>
<th>Description</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$8,000</td>
<td>U.S. Treasury bills</td>
<td>7/18/63</td>
<td>$7 993 22</td>
</tr>
<tr>
<td>45,000</td>
<td>U.S. Treasury bonds 2 1/2%</td>
<td>8/15/63</td>
<td>$44 971 88</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$75,000</td>
<td>U.S. Treasury bills</td>
<td>9/12/63</td>
<td>$74 643 75</td>
</tr>
<tr>
<td>25,000</td>
<td>U.S. Treasury bills</td>
<td>10/24/63</td>
<td>$24 800 63</td>
</tr>
</tbody>
</table>

Pennsylvania Avenue Residence Halls (June 21, 1961)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$68,000</td>
<td>U.S. Treasury bills</td>
<td>9/19/63</td>
<td>$67 628 87</td>
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Student Services Building (May 17, 1961)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Amount</th>
<th>Description</th>
<th>( \text{Change} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>$40,000</td>
<td>U.S. Treasury bills</td>
<td>9/19/63</td>
<td>$39 781 69</td>
</tr>
</tbody>
</table>
Sinking Funds

Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)

Purchase

\[
\begin{array}{lcl}
\$ & 46,000 & \text{U. S. Treasury bills} & 9/19/63 & \$ & 45,497.78 \\
\end{array}
\]

(The following transactions took place in previous periods, but they have not yet been reported.)

Assembly Hall (June 23, 1959)

Purchase

\[
\begin{array}{lcl}
\$ & 22,000 & \text{U. S. Treasury bills} & 3/21/63 & \$ & 21,847.41 \\
 & 25,000 & \text{U. S. Treasury bills} & 9/19/63 & 24,726.11 \\
\end{array}
\]

Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)

Sale

\[
\begin{array}{lcl}
\$ & 1,000 & \text{U. S. Treasury notes} & 3.5\% & \text{per cent} & 8/15/64 & \$ & 1,010.91 \\
\end{array}
\]

On motion of Mr. Williamson, this report was accepted for record.

CONGRESS CIRCLE CAMPUS LAND TRANSFERS TO AND FROM COMMONWEALTH EDISON COMPANY

(24) At its April 17, 1963, meeting, the Board of Trustees authorized an arrangement with Commonwealth Edison Company whereby that company will contribute to the cost of certain work to be done by the University in erecting a screening wall around Commonwealth Edison's Vernon Park Substation in the area of the Congress Circle Campus and in refacing parts of the southerly portion of the substation building. At that time it was recognized that transfers of land between the University and Commonwealth Edison might be required to accomplish the work.

It has now been determined that the proper placement of the University's screening wall requires the acquisition by the University of approximately 106 square feet of land from the Commonwealth Edison Company at the northeast corner of its Vernon Park Substation which that Company is willing to sell to the University. It has also been determined that the refacing of the southerly portion of the substation wall will cause the same to encroach upon the University's property by approximately 106 square feet and Commonwealth Edison Company has requested that this area be sold to them. The Department of Urban Renewal of the city of Chicago has approved the sale of this land to Commonwealth Edison, as required by the University's contract with the City. A sales price of $1,008 per square foot (the price at which the University acquired its property from the City) has been negotiated for each of the proposed transfers.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the foregoing purchase and sale transactions with Commonwealth Edison Company be authorized. Funds for the purchase are available in the state capital appropriations to the University from the Universities Building Fund.

I concur and recommend the adoption of the following resolution:

Resolution

Be It, and It Hereby Is Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this Corporation are authorized and directed to execute, acknowledge, and deliver, in the name and on behalf of this Corporation, a quitclaim deed and such other instruments of conveyance, contract, or other documents, and to provide such evidence of insurance of title, as to them may seem necessary or desirable in order to convey and quitclaim to Commonwealth Edison Company, an Illinois corporation, its successors and assigns, this Corporation's interest in and to the following described property, consisting of approximately 106 square feet located in the City of Chicago, County of Cook, and State of Illinois, upon payment by said Commonwealth Edison Company to this Corporation of the sum of $106.85 as the consideration therefor:

A tract of land in the East half of the Southeast quarter of Section 17, Township 39 North, Range 14 East of the Third Principal Meridian, in the City of Chicago, County of Cook, State of Illinois, described as follows:
Beginning at a point on the West line of South Peoria Street (60 feet wide) which is 226.62 feet South of the North line of Lot 12 in the Subdivision of Block 2 of Canal Trustees' Subdivision in said Section 17 (3366.00N. - 562.53W.); thence North 90° 00'-00" East along the Grid Coordinate line 3366.00 North, a distance of 0.64 feet to the Grid Coordinate Line 561.89 West (3366.00N. - 561.89W.); thence South 00° 00'-00" West along the Grid Coordinate Line 561.89 West, a distance of 74.31 feet to the Grid Coordinate Line 3291.69 North (3291.69N. - 561.89W.); thence South 90° 00'-00" West along the Grid Coordinate Line 3291.69 North, a distance of 103.22 feet to the Grid Coordinate Line 665.11 West (3291.69N. - 665.11W.); thence North 00° 00'-00" East along the Grid Coordinate Line 665.11 West, a distance of 104.78 feet to the Grid Coordinate Line 3396.47 North (3396.47N. - 665.11W.); thence North 90° 00'-00" East along the Grid Coordinate Line 3396.47 North, a distance of 0.31 feet to the West line of Lots 1 to 12, both inclusive, in the Subdivision of Block 2, aforesaid (3396.47N. - 664.80W.); thence South 00° 03'-09" West along the West line of said Lots 1 to 12, both inclusive, in the Subdivision of Block 2, aforesaid (3396.47N. - 664.80W.); thence North 89° 52'-14" East along the North line of West Vernon Park Place (3291.86N. - 664.90W.); thence North 89° 52'-14" East along the North line of West Vernon Park Place, a distance of 102.31 feet to the West line of South Peoria Street (3292.00N. - 562.59W.); thence North 00° 02'-39" East along the West line of South Peoria Street, a distance of 73.91 feet to the point of beginning. Containing 106 Square Feet, more or less.

Note: The coordinates given in parentheses following the description of each point are based upon the University of Illinois, Congress Circle, Rectangular Coordinate System.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dillard, Mr. Hughes, Mr. Kerner.

EASEMENTS AND LICENSES RELATING TO CONGRESS CIRCLE CAMPUS

(25) The University's contract with the city of Chicago for the acquisition of the Congress Circle Campus site provides that certain public streets through and adjoining the campus will remain open and contemplates that the University will receive easements across some of these streets for pedestrian bridges and underpasses and for University utility lines. The city of Chicago has passed appropriate ordinances authorizing the grant of these easements to the University. Receipt of the formal easement documents is expected in the near future.

The acquisition contract also provides for the closing of other public streets and alleys, but permits the City to convey title to the University subject to necessary easements for underground utilities. Many of the existing city and public utility lines to remain on the site are situated in areas that were public streets and alleys which were vacated by ordinances of the city immediately prior to the conveyances to the University. These vacation ordinances reserve easements to the City and to utility companies to enable them to operate, maintain, replace, and renew existing service facilities at their present locations in the vacated streets and alleys, such easements to terminate upon the abandonment or release of the facilities or upon their relocation outside the vacated street or alley. In addition, the vacation ordinances for the streets and alley surrounding the Commonwealth Edison Company's Vernon Park Substation reserve to that company the right of access to the substation. The easements reserved in the vacation ordinances are in favor of the city of Chicago for its water, sewer, and fire alarm system lines; the Peoples Gas, Light, and Coke Company for its gas lines; the Commonwealth Edison Company for its electric lines (and access to its substation as noted above); and the Illinois Bell Telephone Company for its telephone lines. Descriptions of the specific locations of the utility lines in the vacated streets and alleys are being developed, and when these are available it is contemplated that the City and the various utilities will relinquish their rights in the portions of the vacated streets and alleys not required for the maintenance of the existing lines to remain in place.
In addition to the above easements reserved in the vacation ordinances, the City and the various utility companies will require new easements from the University so that certain utility lines can be relocated or routed over the site to accommodate the University's construction. For that portion of its fire alarm system that will be located in the University's utility tunnel, the City will require a license from the University. The locations of these new easements and licenses have been developed by the University's architects and engineers in cooperation with the City and each of the utilities involved. Also it may become desirable to grant new easements at the time the City and public utilities relinquish some of the areas covered by the vacation ordinances.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that, with respect to the portion of the Congress Circle Campus site now owned by the University, easements or licenses be granted to the city of Chicago for its water, sewer, and fire alarm lines, to Commonwealth Edison Company for its electric lines and access to its Vernon Park Substation, to Peoples Gas, Light, and Coke Company for its gas lines, and to Illinois Bell Telephone Company for its telephone lines.

I concur and recommend adoption of the following resolution:

Resolution

Be It, and It Hereby Is Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this Corporation are authorized and directed to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of grant, conveyance, contract, or other documents as to them may seem necessary or desirable in order to grant to the grantees and for the purposes hereinafter designated, easements or licenses under, through, and across those parcels of real estate, located in the City of Chicago, County of Cook, and State of Illinois, conveyed to this Corporation by City of Chicago, a municipal corporation of the State of Illinois, (a) by a certain deed dated April 19, 1963, recorded May 3, 1963, with the Recorder of Deeds of Cook County, Illinois, as Document 18786647 and filed in the office of the Registrar of Titles, Cook County, as Document LR 2089129, and (b) by a certain deed dated July 18, 1963, recorded August 1, 1963, with the Recorder of Deeds of Cook County, Illinois, as Document 18871166. Said grantees and purposes are as follows:

(1) City of Chicago, a municipal corporation of the State of Illinois for the purpose of accommodating its underground water, sewer and fire alarm system lines and facilities, together with appropriate access thereto;

(2) Peoples Gas Light and Coke Company, an Illinois corporation, for the purpose of accommodating its underground gas lines and facilities, together with appropriate access thereto;

(3) Commonwealth Edison Company, an Illinois corporation, for the purpose of accommodating its underground electric lines and facilities, together with appropriate access thereto, and for the purpose of providing said grantee suitable ingress and egress to said grantee’s property adjoining or within said parcels of real estate; and

(4) Illinois Bell Telephone Company, an Illinois corporation, for the purpose of accommodating its underground telephone lines and facilities, together with appropriate access thereto.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

STATE LEGISLATION AFFECTING THE UNIVERSITY OF ILLINOIS

(26) There is presented for the information of the Board a list of Acts of the Seventy-third General Assembly of Illinois in its regular session of 1963 directly affecting the University, including the appropriations to the University.
I. Acts Relating to the Operating and Capital Budgets of the University

Senate Bill 1025. Appropriates $168,890,681 to provide for the operation of the University during the biennium of 1963-65:
- From the General Revenue Fund: $153,390,681
- From the University Income Fund: 13,500,000

House Bill 965. Appropriates $192,000 for operation of the Institution of Tuberculosis Research.

Senate Bill 1177. Declares certain building projects to be in the public interest pursuant to the Illinois Building Authority Act. Included are the following University of Illinois projects:
- Equipment for buildings constructed from Universities Building Fund: $4,799,500
- Land acquisition Urbana-Champaign: 1,000,200
- Planning funds to complete architectural studies for Congress Circle: 900,000
- Civil Engineering Building: 4,216,000
- Veterinary Medicine Clinic: 4,000,000

Total Appropriations: $14,915,700

Senate Bill 1226. Appropriates $5,108,840 to the Board of Trustees of the University of Illinois from the General Revenue Fund for permanent improvements:
- Remodeling, rehabilitation, and modernization of existing buildings: $2,900,000
- Improvements to protect life and property: 258,840
- Extension of utilities: 1,950,000

Senate Bill 1221. Reappropriates $74,400,000 from the Universities Building Fund to the Board of Trustees for capital improvements started in 1961-63. Includes new items of $2,000,000 for an addition to the Biology Building and $3,000,000 for an addition to the East Chemistry Building.

Senate Bill 1233. Appropriates sums to various State Agencies to pay rentals to the Illinois Building Authority. Included was $1,790,000 for the University of Illinois.

II. Other Legislation

House Bill 137. Amends Sections 2 and 8 of the Fair Employment Practices Act. Provides that "employer" includes and means the state of Illinois and any political subdivision. Provides for oral argument before the Commission on review.

House Bill 665. Prohibits the sale of alcoholic liquor within 1,500 feet of the campus of any state university. Exempts places of business selling beer only, which are in operation on the effective date of the act.

House Bill 735. Appropriates $80,000 to the Department of Agriculture to study the treatment and control of diseases of swine and livestock. Authorizes the Director of Agriculture to establish a swine disease control committee and requires the department to arrange for such research to be carried on and conducted by the College of Veterinary Medicine of the University of Illinois.

House Bill 829. Amends the School Code to increase the number of teachers scholarships awarded per high school. Increases number of county scholarships from one to two per county. Provides for the use of both types of scholarships at any of the state universities.

House Bill 842. Changes various provisions in the University of Illinois Retirement System Act including an increase in the maximum retirement annuity from 60 to 70 per cent, for those persons beyond age sixty with thirty-four or more years of service. The increase is at the rate of 1⅓ per cent for each year of employment beyond age sixty.
House Bill 1148. Amends an act regulating the Illinois Industrial University. Changes the name of the act to "An Act in Relation to the Regulation of the University of Illinois" and updates provisions to conform with present program of the University. Clarifies authority of the Board of Trustees to determine nature of military program offered.

House Bill 1181. Authorizes the Teachers College Board to establish a branch of Northern Illinois University in the northern half of the state to provide vocational and technical training and to make provisions for furnishing of extension services by the University, subject to the approval of the State Board of Higher Education.

Senate Bill 353. Amends Section 14 of and adds Section 14a to an Act in relation to state finance. Provides that upon the death of a state employee, his heirs shall be entitled to receive the sum for any accrued vacation period as would have been paid to such employee had he survived.

Senate Bill 421. Amends Section 13 of an Act relating to state finance. Repeals the required itemization of appropriations based on each function and activity of state agencies.

Senate Bill 434. Amends Section 35.6 of the Civil Administrative Code. Provides that all postage stamps purchased from state funds must be procured by the Department of Finance and perforated for identification purposes.

Senate Bill 594. Appropriates $96,500 to the Illinois Racing Board from the Agriculture Premium Fund for the purposes of research on equine diseases, the establishment of a development center, and for naming scholarships for study on equine diseases to students at the University of Illinois College of Veterinary Medicine.

Senate Bill 731. Authorizes the University of Illinois and Southern Illinois University Boards of Trustees and the Teachers College Board to transfer jurisdiction of property to the Illinois Building Authority with the approval of the Governor.

Senate Bill 754. Declares the construction of a Materials Research Laboratory for use by the Board of Trustees of the University of Illinois to be in the public interest.

Senate Bill 802. Provides for the establishment of County Agricultural and Home Economics Extension Councils and County Extension Boards to cooperate with the University of Illinois College of Agriculture Cooperative Extension Service in conducting educational programs in agriculture. Authorizes extension of tax to finance same.

Senate Bill 858. Extends powers of University of Illinois Police Department (at Urbana) to include same powers as policemen in cities, and sheriffs.

Senate Bill 1043. Conveys certain real estate (Neuropsychiatric Institute) in Chicago to the Board of Trustees of the University of Illinois.

Senate Bill 1044. Conveys certain real estate (site for Mental Health clinic) in Champaign County by the Board of Trustees of the University of Illinois to the state of Illinois.

Senate Bill 1094. Amends Sections 1, 2, 3, and 4 of an Act to provide for the identification of state-owned vehicles to provide that the words "State of Illinois" in letters three inches high shall appear on the front doors of all state vehicles not specifically exempted from the Act, with the words "For official use" in letters two inches high to appear immediately below.

Senate Bill 1098–99. Amends Section 14 of an Act in relation to state finance to authorize State universities to permit their employees to accept reduced compensation and receive in lieu thereof the payment of premiums on annuity contracts.
Senate Bill 1161. Amends Sections 3, 5, 6, 7, and 9 of Illinois Building Authority Act to extend duties of the Authority and provide for the keeping of rental records. Provides that bonds must mature within forty years and increases maximum interest rate from 4 per cent to 5 per cent.

Senate Bill 1173-74. Amends Section 1 of the Retailers Occupation Tax Act and Section 2 of the Use Tax Act. Deletes provisions that tax may be added to rental cost of personal property. Subjects sale of school books to the taxes.

This report was received for record.

CAPITAL APPROPRIATIONS FOR 1963-65

(27) The Seventy-third General Assembly appropriated funds for land, buildings, and other capital improvements at the University of Illinois for the biennium 1963-65:

From the General Revenue Fund for:

- Remodeling, rehabilitation, and modernization of existing buildings $2,900,000
- Improvements to protect life and property ............................................. 258,840
- Extension of utilities ................................................................. 1,950,000
  Total .......................................................... $5,108,840

From the Universities Building Fund for:

- Reappropriation of $74,400,000 for capital improvements started in 1961-63; including new items of $2,000,000 for an addition to the Biology Building and $3,000,000 for an addition to the East Chemistry Building.

I recommend that the Board appropriate these funds for the purposes indicated as the funds become available, including the transfer from Contingencies to individual projects of such amounts as may become necessary within the total sum appropriated.

On motion of Mr. Swain, these appropriations and assignments of funds were approved by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

SECRETARY’S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and cancellations; leaves of absence; cancellations of sabbatical leaves of absence; retirements.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)


Adby, Alva L., Assistant Professor of Mechanical Engineering (C), academic year beginning September 1, 1963, $9,000 (7-24-63).

Alexander, John R., Jr., Instructor in Mathematics, academic year beginning September 1, 1963, $7,500 (8-23-63).

Allhands, Jessie, Instructor in Mathematics, academic year beginning September 1, 1963, $5,600 (8-26-63).

Altenbernd, A. Lynn, Associate Professor of English and Executive Secretary of the Department of English, indefinite tenure from September 1, 1963, to render service during each academic year, $10,100 a year (7-18-63).

Anand, Satish Chandra, Research Associate in Agronomy (S), five months from September 1, 1963, $6,500 a year (8-7-63).

Anast, Basil P., Assistant Professor of Parasitology, Department of Medicine (Medicine), ½ time, two years from September 1, 1963, $6,880 a year (7-26-63).
ANDERMANN, ROBERT E., Instructor in Art, academic year beginning September 1, 1963, $5,700 (7-25-63).

ANDERSON, RACHELE., Assistant Editor in the University Press, ½ time, one year from September 1, 1963, $3,125 (7-18-63).

ANDERSON, ROBERT W., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, $11,500 (7-29-63).

ANDERSON, WILLIAM J., Project Assistant in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, $6,580 a year, succeeds (8-8-63).

ANDREWS, RICHARD D., Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one month from August 1, 1963, $550 (7-25-63).

ARCHER, WILLIAM K., Research Assistant Professor in the Institute of Communications Research, one year from September 1, 1963, $10,000, succeeds (8-5-63).

ARLON, ARJ., Instructor in Art, academic year beginning September 1, 1963, $6,000 (7-18-63).

ARNOLD, MARJORIE L., Research Associate in Chemistry, one year from September 1, 1963, $7,000 (8-12-63).

ATHINEOS, EMIL, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1963, $5,150 (7-25-63).

AZUMA, YASUO, Research Associate in Food Science (S), one year from September 1, 1963, $6,200 (8-26-63).

BANKS, RICHARD T., Instructor in Architecture, academic year beginning September 1, 1963, $6,500 (7-29-63).

BANKS, ROBERT B., Professor of Fluid Mechanics, indefinite tenure, and Dean of the College of Engineering, two years (Chicago Undergraduate Division), from September 1, 1963, $21,000 a year (7-26-63).

BARNARD, HERBERT M., Research Associate in the Coordinated Science Laboratory, ½ time, and Instructor in Electrical Engineering, ½ time (C), academic year beginning September 1, 1963, $4,650 (8-14-63).

BATEMAN, BARBARA, Research Assistant Professor in the Institute for Research on Exceptional Children, academic year beginning September 1, 1963, $7,500 (8-8-63).

BATEMAN, FELICE D., Assistant Professor of Mathematics, ¼ time, academic year beginning September 1, 1963, $5,600 (8-26-63).

BAYER, RUDOLF P., Instructor in German, academic year beginning September 1, 1963, $6,300 (8-5-63).

BAYER, RUDOLF, Research Assistant in the Digital Computer Laboratory, August 8-September 15, 1963, $466.67 a month (8-5-63).

BAYM, MRS. NINA Z., Instructor in English, academic year beginning September 1, 1963, $6,800 (8-26-63).

BEEVERS, LEONARD, Assistant Professor of Horticulture (C and S), September 16, 1963-August 31, 1964, $8,600 a year (8-20-63).

BERESKIN, BEN, Research Associate in Dairy Science (S), one year from September 1, 1963, $5,600 (8-19-63).

BERGER, THOMAS T., Assistant in Education (University High School), nine months from September 16, 1963, $5,600 (8-19-63).

BETZ, THOMAS W., Research Assistant in Zoology, nine months from September 16, 1963, $4,200 (8-3-63).

BHER, SURAJ, Research Associate in Metallurgical Engineering (C), seven months from February 1, 1964, $7,000 a year (8-19-63).

BIEGLER, THOMAS, Research Associate in Chemistry, one year from September 1, 1963, $6,500 (8-26-63).

BILLINGS, ALAN G., Instructor in Speech and Theatre, academic year beginning September 1, 1963, $5,800 (6-24-63).

BISCHOFF, MRS. NOYCE I., Research Assistant in Zoology, one year from September 1, 1963, $5,150 (7-10-63).

BLYLOCK, WILLIAM C., Assistant in Spanish, nine months from September 16, 1963, $6,500, succeeds (8-23-63).
BLISS, RACHEL, Associate Professor of Nursing, indefinite tenure from September 1, 1963, $10,400 a year, supersedes (8-7-63).

BOBREN, HOWARD M., Research Assistant Professor of Psychology, in the Department of Psychology and in the Institute of Communications Research, one year from September 1, 1963, $10,000 (8-26-63).

BOHM, LARRY G., Project Assistant in the State Natural History Survey (Graduate College), one year from September 1, 1963, $4,416 (8-8-63).

BOSWELL, JEB, Instructor in Medicine (Medicine), ½ time, one year from September 1, 1963, $4,000 (8-21-63).

BOURCIN, ROSE C., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, $6,500 (8-26-63).

BOWERS, KENNETH, Clinical Counselor in the Student Counseling Service with rank of Instructor (Provost's Office), ¾ time, one year from September 1, 1963, $5,625 (8-21-63).


BRADAForte, MRS. CHARLOTTE L., Assistant in German, nine months from September 10, 1963, $5,000 (8-3-63).

BRENT, GEORGE W., Instructor in Prosthodontics (Dentistry), ½ time, one year from September 1, 1963, $5,000 (7-17-63).

BRESICH, ZAGORKA, Physician in the Health Service (Medical Center), 1/10 time, June 17-August 31, 1963, $1,200, supersedes (7-25-63).

BRODIE, BARBARA, Instructor in Nursing, academic year beginning September 1, 1963, $6,500 (7-18-63).

BRODIE, BRUCE, Associate Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), indefinite tenure from September 1, 1963, $10,700 a year (7-26-63).

BRODY, MRS. LITA H., Assistant in Medicine (Medicine), one year from September 1, 1963, $6,200 (8-26-63).

BROKAW, KURT J., Instructor in Advertising, academic year beginning September 1, 1963, $7,500 (8-23-63).

BRONSKY, DAVID, Assistant Professor of Medicine (Medicine), 1/10 time, one year from September 1, 1963, $1,200 (8-12-63).

BROWNS, HERSCHEL L., Clinical Assistant Professor of Medicine (Medicine), 4/10 time, one year from September 1, 1963, $3,400 (8-12-63).

BRUN, HERBERT J., Visiting Research Associate in Music, nine months from September 16, 1963, $8,000 (8-23-63).

BRYANT, ROBERT H., Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, $7,500 (8-12-63).

BURKE, JAMES A., Instructor in Art, academic year beginning September 1, 1963, $6,500 (7-18-63).

BURMEISTER, JOHN L., Instructor in Inorganic Chemistry, academic year beginning September 1, 1963, $7,000 (8-12-63).

BURNETT, MRS. JACQUETTA H., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, $7,500 (7-17-63).

BUTLER, JACKIE D., Instructor in Turf Extension (Horticulture) (C, S, and E), one year from September 1, 1963, $6,600, supersedes (8-19-63).

BYNG, DENNIS E., Instructor in Art, academic year beginning September 1, 1963, $6,500 (8-26-63).

CAMPBELL, JAMES L., Instructor in Music, one year from September 1, 1963, $7,550 (7-26-63).

CARBONNEAU, MARVIN C., Assistant Professor of Floriculture Extension (Horticulture) (C and E), July 1, 1963-August 31, 1964, $8,600 a year, supersedes (8-19-63).

CARLSEN, TOMIKO, Research Assistant in Oral Pathology (Dentistry), one year from September 1, 1963, $6,000 (8-7-63).

CARR, JOHN R., Lecturer in Mechanical Engineering (C), ½ time, academic year beginning September 1, 1963, $7,900 (7-18-63).

CASTEL, DAVID A., Project Assistant in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, $5,300 a year, supersedes (8-8-63).
CAVENY, CHARLES C., Assistant to the President in charge of the Chicago Office of the President, with rank of Professor, September 1, 1963, and continuing on a month-to-month basis until further notice, $1,500 per month (7-8-63).

CHACKO, CHERUVATHIRI., Research Associate in Plant Pathology (S), one year from September 1, 1963, $6,100 (8-20-63).

CHAO, BEL TSE, Professor of Mechanical Engineering, 1/2 time, and of Nuclear Engineering, 1/2 time, (C), on indefinite tenure; and Associate Member of the Center for Advanced Study, 1/2 time, one year, from September 1, 1963, and Professor of Mechanical Engineering, 1/2 time, (C), indefinite tenure from September 1, 1964, to render service during each academic year, $16,000 a year (8-8-63).

CHAPMAN, PETER J., Research Associate in Chemistry, one year from September 1, 1963, $6,600 (7-17-63).

CHURCHWELL, MRS. YVONNE R., Bibliographer in the Library, with rank of Instructor, one year from September 1, 1963, $6,400, supersedes (8-19-63).

CLARK, SHIRLEY A., Assistant Professor of Family Relationships (Home Economics) (C and S), academic year beginning September 1, 1963, $6,700 (7-17-63).

CODDINGTON, MRS. BERTHA M., Commerce and Sociology Librarian in the Library, with rank of Instructor, one year from September 1, 1963, $7,300 (8-12-63).

COLE, HOWARD C., Instructor in English, Summer Session of 1963, June 17-August 10, 1963, $1,400 for the period, supersedes previous Summer Session (7-17-63).

COOMBS, FRED S., Research Associate in Education (University High School), academic year beginning September 1, 1963, $6,000, supersedes (8-27-63).

COSTON, CHARLES J., Research Associate in Chemical Engineering (S), one year from September 1, 1963, $7,000 (8-26-63).

COUKOULIS, MRS. HELEN, Research Assistant in Microbiology, one year from September 1, 1963, $6,300 (8-14-63).

CRAWFORD, ARDEN L., Assistant in Education (University High School), nine months from September 16, 1963, $5,600 (8-19-63).

CRUMLISH, BRIAN J., Research Associate in the Small Homes Council—Building Research Council, August 16, 1963—May 31, 1964, $1,000 a month (8-8-63).

DAS, SUMITRA, Research Assistant in Preventive Medicine (Medicine), August 1, 1963-August 31, 1964, $5,760 a year (8-8-63).

DAUPHIN, KEITH P., Project Assistant in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, $4,320 a year, supersedes (8-8-63).

DAVIS, CHARLES S., Clinical Instructor in Medicine (Medicine), 1/2 time, one year from September 1, 1963, $1,500 (8-12-63).

DE FRIESE, JOHN C., Assistant Professor of Dairy Science (C and S), two years from September 1, 1963, $9,600 a year, on leave of absence for eleven months from October 1, 1963 (7-18-63).

DENMARK, WILLIAM L., Assistant Professor of Climatology (Horticulture) (S), two years from September 1, 1963, without salary (8-20-63).

DEITERK, PHILLIP E., Instructor in City Planning and Landscape Architecture, two years from September 1, 1963, to render service during each academic year, $6,000 a year (8-12-63).

DEWITT, MRS. CAROL L., Assistant in Chemistry, nine months from September 16, 1963, $4,600 (7-10-63).

DIAMOND, MRS. ANITA M., Assistant Supervisor of Testing in the Student Counseling Service (Provost's Office), one year from September 1, 1963, $5,150 (8-23-63).

DIMITT, DONALD P., Instructor in Art (Chicago Undergraduate Division), academic year beginning September 1, 1963, $6,300 (7-22-63).

DIXON, MRS. MARIE K., Assistant in Chemistry, nine months from September 16, 1963, $4,600 (7-13-63).

DONOVAN, DENNIS G., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, $8,500 (7-17-63).

DUAN, RAMJI DASS, Research Associate in Dairy Science (S), one year from September 1, 1963, $6,500 (7-17-63).
DUDLEY, JAMES, Instructor in Elementary Education, academic year beginning September 1, 1963, $6,500 (8-22-63).

DUMAS, D. GILBERT, Instructor in English (Chicago Undergraduate Division), academic year beginning September 1, 1963, $6,000 (7-17-63).

DUNPHY, EDWARD J., Assistant in Biometry and in Soil Fertility (Agronomy) (C and S), one year from September 1, 1963, $5,300 (8-14-63).

EAGELMAN, JAMES G., Assistant Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), two years from September 1, 1963, $10,100 a year (7-26-63).

EDWARDS, WILLIAM R., Research Associate in the Illinois Natural History Survey (Graduate College), eleven months from August 1, 1963, $8,000 a year, superseded (8-8-63).

ELLIS, RALPH J., Research Associate in the State Natural History Survey (Graduate College), one year from September 1, 1963, $7,600 a year, superseded (8-12-63).

ELLIS, RALPH J., Research Associate in the State Natural History Survey (Graduate College), one year from September 1, 1963, $7,500 a year, superseded (8-12-63).

ENGEL, MRS. FRIEDA H., Assistant Professor in the Jane Addams Graduate School of Social Work, 1/4 time, academic year beginning September 1, 1963, $2,125 (8-7-63).

ERWIN, JOSEPH C., Assistant Professor of Pathology (Medicine), 1/2 time, one year from September 1, 1963, $9,000 (8-21-63).

FARRIS, ROBERT E., Research Associate in Ceramic Engineering (S), August 16-September 15, 1963, full time, $8,000 a year, and from September 16, 1963, through August 31, 1964, 3/4 time, $6,000 a year, superseded (8-26-63).

FELTNER, CHARLES E., Research Assistant Professor of Theoretical and Applied Mechanics (C), two years from September 1, 1963, to render service during each academic year, $7,600 a year, superseded (8-12-63).

FELTSKOG, ELMER N., Assistant in English, nine months from September 16, 1963, $6,700, superseded (8-14-63).

FERRIS, DONALD R., Visiting Lecturer in Elementary Education, nine months from September 16, 1963, $11,000 (8-26-63).

FINK, GILBERT L., Supervisor of Special Services and Occupational Therapy, with rank of Instructor, Division of Rehabilitation-Education Services (College of Physical Education), two months from July 1, 1963, $7,000 a year, and for one year from September 1, 1963, $7,500 (7-15-63).

FISCHER, FRED A., Assistant Research Programmer in the Digital Computer Laboratory, 1/2 time, one year from September 1, 1963, $3,500 (7-12-63).

FORD, ROBERT M., Assistant Professor of Architecture, academic year beginning September 1, 1963, $7,500 (8-23-63).

Foster, MERLIN J., Research Programmer in the Digital Computer Laboratory, one year from September 1, 1963, $8,000 (8-27-63).

FRANK, EVELYN, of (Chicago Undergraduate Division), Professor Mathematics June 16-August 31, 1963, $3,112 (7-19-63).

FRIEDMAN, MRS. DOROTHY M., Research Associate in Education (University High School), five months from September 1, 1963, $4,000 (7-17-63).

FRUEND, GEORGE L., Assistant in English, nine months from September 16, 1963, $4,600, superseded (8-23-63).

FULLER, GERALD R., Assistant Professor of Vocational and Technical Education, one year from September 1, 1963, $9,050 (7-29-63).

GALLAGHER, ROBERT E., Associate Professor of English, indefinite tenure, 1/2 time, and Assistant Director of University Honors Programs, one year, 1/2 time (Chicago Undergraduate Division), from September 1, 1963, to render service during each academic year, $8,500 a year (7-24-63).

GALLIOS, JOHN, Instructor in Pedodontics (Dentistry), 1/2 time, one year from September 1, 1963, $2,840 (8-26-63).

GANTT, CLARENCE L., Assistant Professor of Medicine (Medicine), two years from September 1, 1963, $16,000 a year (8-7-63).
GARCIA-MOLINER, CARMEN, Research Associate in Botany, 1/2 time, one year from September 1, 1963, $3,650 (8-12-63).

GERAKINOS, DINO J., Associate Member of Center for Advanced Study, for the second semester of 1963-64, and Professor of History, indefinite tenure from September 1, 1963, to render service during each academic year, $14,000 a year (8-8-63).

GEL, WILMA J., Music Library Assistant in the Library, one year from September 1, 1963, $5,500 (7-22-63).

GERSTNER, OTTO, Instructor in Mathematics, academic year beginning September 1, 1963, $7,500 (8-23-63).

GOBEL, MRS. GERTRUDE G., Instructor in Child Development (Home Economics) (C and S), academic year beginning September 1, 1963, $5,000 (7-22-63).

GOLDBERG, BRUCE C., Instructor in Philosophy, academic year beginning September 1, 1963, $6,200 (8-6-63).

GOOCH, JAY D., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, $11,000 (7-29-63).

GOODISMAN, JERRY, Instructor in Physical Chemistry, academic year beginning September 1, 1963, $7,200 (8-12-63).

GOODWIN, NANCY-LEE, Head Resident, Taft Hall, ten months from September 1, 1963, $4,700; for the convenience of the University she will also receive an apartment and meals while the dining rooms are in operation (8-19-63).

GRACIE, GORDON, Assistant Professor of Civil Engineering (C), two years from September 1, 1963, to render service during each academic year, $8,000 a year (7-25-63).

GRAY, EVA W., Instructor in Mathematics, 1/4 time, academic year beginning September 1, 1963, $1,600 (8-26-63).

GRAY, ROLF M., Associate Professor of Medicine (Medicine), 1/4 time, September 15, 1963-August 31, 1964, $4,000 a year, supersedes (8-12-63).

GUSTOWSKA, MRS. IRENA, Research Assistant in Pediatrics (Medicine), one year from July 1, 1963, $5,150 (7-25-63).

HAASE, GERHARD H., Clinical Instructor in Medicine (Medicine), 1/2 time, one year from September 1, 1963, $3,000 (8-21-63).

HAGSTROM, ANNIE, Instructor in Nursing, academic year beginning September 1, 1963, $6,000 (7-18-63).
Hardenbrook, Harry Jr., Professor of Veterinary Clinical Medicine and of Veterinary Physiology and Pharmacology (College of Veterinary Medicine), indefinite tenure from September 1, 1963, $14,400 a year (7-26-63).

Harada, Ichiro, Research Associate in Microbiology, one year from September 1, 1963, $7,500, supersedes (8-23-63).

Hatch, Ray D., Professor of Veterinary Clinical Medicine, and of Veterinary Anatomy and Histology (College of Veterinary Medicine), indefinite tenure from September 1, 1963, $13,950 a year (7-26-63).

Hayashi, Masaki, Research Assistant Professor of Microbiology, one year from September 1, 1963, $8,200, supersedes (8-23-63).

Helbling, Sara Y., Assistant in Occupational Therapy (Medicine), July 15-August 31, 1963, $475 a month (8-7-63).

Helm, Alice, Assistant in Microbiology, nine months from September 16, 1963, $4,200 (8-21-63).

Helmer, Lloyd C., Assistant Professor of Veterinary Clinical Medicine (College of Veterinary Medicine) and of Veterinary Research (Agricultural Experiment Station), two years from September 1, 1963, $10,300 a year (8-20-63).

Henne, Bertrand W., Assistant (Flight) in the Institute of Aviation, nine months from September 16, 1963, $4,410 (8-19-63).

Hennes, James D., Assistant in the Office of Instructional Television (Provost's Office), nine months from September 16, 1963, $4,600 (8-22-63).

Hernhon, Mary S., Instructor in Household Equipment (Home Economics) (C), academic year beginning September 1, 1963, $6,500 (8-8-63).

Heselmann, Paul R., Assistant Health Physicist, one year from September 1, 1963, $9,000 (8-2-63).

Hewitt, John R., Instructor in Advertising, ⅔ time, academic year beginning September 1, 1963, $2,250 (8-14-63).

Hiki, Yosio, Research Associate in Physics (C), one year from September 1, 1963, $6,500 (7-17-63).

Hilker, Carl F., Jr., Assistant (Flight) in the Institute of Aviation, nine months from September 16, 1963, $4,200 (8-19-63).

Hochhauser, Martin, Clinical Assistant Professor of Radiology (Medicine), 1/10 time, one year from September 1, 1963, $1,560 (8-8-63).

Hodgmam, Donald R., Professor of Economics, ⅔ time, indefinite tenure, and Associate Member of Center for Advanced Study, ⅔ time, two years from September 1, 1963, and Professor of Economics, full time, indefinite tenure, beginning September 1, 1965, to render service during each academic year, $15,500 a year (8-8-63).

Hoffman, Gerald K., Clinical Instructor in Psychiatry (Medicine), ⅔ time, July 1, 1963-August 31, 1964, $2,400 a year (8-12-63).

Hogan, James, Instructor in Electrical Engineering (C), one year from September 1, 1963, $6,300, supersedes (8-5-63).

Howeritz, Olga, Research Associate in Oral Pathology (Dentistry), ⅔ time, one year from September 1, 1963, $3,200 (7-18-63).

Houghton, Florence M., Instructor in Nursing, academic year beginning September 1, 1963, $6,500 (7-18-63).

Huang, Samuel J., Research Associate in Chemistry, eleven months from October 1, 1963, $6,100 a year (7-26-63).

Hunt, James G., Instructor in Industrial Administration (College of Commerce and Business Administration), ⅔ time, academic year beginning September 1, 1963, $4,500 (6-6-63).

Hunt, J. McV., Professor of Psychology, one year from July 1, 1963, $20,150; and Professor of Psychology, indefinite tenure beginning September 1, 1964, to render service during each academic year (7-25-63).

Hurtig, Martin, Assistant Professor of Art (Chicago Undergraduate Division), two years from September 1, 1963, to render service during each academic year, $7,500 a year (8-7-63).

Hutton, Wilbert H., Jr., Kettering Visiting Lecturer in Chemistry, nine months from September 16, 1963, $9,500 (8-26-63).

Imhulse, Donald W., Instructor in Business English, academic year beginning September 1, 1963, $5,200 (8-12-63).

JACKSON, DANIEL K., Instructor in Art, academic year beginning September 1, 1963, $5,800 (7-18-63).

JACOBI, MONIQUE, Research Associate in Microbiology, one year from September 1, 1963, $6,500, supersedes (8-23-63).

JANSEN, PETER, Instructor in German, academic year beginning September 1, 1963, $5,800 (6-6-63).

JEAN, WILLIAM H., Instructor in Finance, academic year beginning September 1, 1963, $8,000 (7-17-63).

JENKS, RICHARD D., Research Assistant in the Coordinated Science Laboratory (C), full time for five months from September 1, 1963, $2,500, and ¾ time for seven months from February 1, 1964, $2,333.33, supersedes (8-23-63).

JENNE, WILLIAM, Research Associate in the Institute for Research on Exceptional Children, one year from September 1, 1963, $9,500 (8-26-63).

JOHNSON, PETER, Visiting Lecturer in Chemistry, academic year beginning September 1, 1963, $6,500 (8-12-63).

JOHNSON, RICHARD M., Instructor in Political Science, academic year beginning September 1, 1963, $5,000 (7-29-63).

JOHNSON, WALTER M., Professor of Art (College of Fine and Applied Arts), ½ time (½ time during the academic year), indefinite tenure, $5,000 a year, and Head of Extension in Visual Arts (Division of University Extension), ¾ time (½ time during the academic year and full time during the summer), two years from September 1, 1963, $7,222 a year, supersedes (8-16-63).

JOHNSON, WELDON A., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (College of Pharmacy), one year from September 1, 1963, $6,500 (8-22-63).

JOSELYN, GEORGE B., Research Assistant in the State Natural History Survey, eleven months from August 1, 1963, $6,000 a year, supersedes (8-8-63).

JOZWIAK, ROBERT L., Instructor in Elementary Education, academic year beginning September 1, 1963, $6,500 (8-22-63).

KACZKOWSKI, HENRY R., Visiting Research Assistant Professor of Educational Psychology, nine months from September 16, 1963, $9,300 (8-26-63).

KATAGUE, DAVID B., Instructor in Chemistry (Pharmacy), ½ time, academic year beginning September 1, 1963, $3,000 (8-12-63).

KELLER, KARL B., Research Engineer in Physics (C), July 16, 1963-August 31, 1964, $8,000 a year (8-19-63).

KELLY, J. ROBERT, Professor of Music, indefinite tenure, to render service during each academic year, and Associate Member in the Center for Advanced Study, one year, from September 1, 1963, $11,100 a year; and Professor of Music, on indefinite tenure from September 1, 1964, to render service during each academic year (8-8-63).

KENT, MRS. JOAN G., Acting Binding Librarian in the Library, with rank of Instructor, one year from September 1, 1963, $6,800, supersedes (8-26-63).

KHEDDO, LAWRENCE G., Clinical Assistant Professor of Anatomy (Medicine), ½ time, academic year beginning September 1, 1963, $5,000 (8-21-63).

KIM, MRS. EUN KYUNG, Research Assistant in Chemistry, one year from September 1, 1963, $5,150 (7-10-63).

KINDSELBERGER, RONALD D., Instructor in Pedodontics (Dentistry), ¾ time, one year from September 1, 1963, $6,400 (8-26-63).

KIRKWOOD, BILLY D., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, $11,500 (7-29-63).

KLEIN, KURT, Acting Head of Department of Russian, academic year beginning September 1, 1963, $5,000; this is in addition to his appointment as Assistant Professor of Russian (5-28-63).

KLING, TILDE S., Clinical Instructor in Pathology (Medicine), one year from September 1, 1963, without salary (8-12-63).

KNIES, EARL A., Assistant in English, nine months from September 16, 1963, $4,600, supersedes (8-14-63).
KOERTCE, HENRY H., Sanitary Engineering Associate in the Health Service, one year from September 1, 1963, $10,000 (8-20-63).
KOEMER, MRS. HELEN B., Research Associate in Economics, one year from July 1, 1963, $6,980 (7-22-63).
KOIK, JUTA V., Physician in the Health Service, Zool time, and Clinical Assistant Professor of Medicine (Medicine), 5/100 time, one year from September 1, 1963, $3,500 (8-12-63).
KOMAMIYA, VISUO, Visiting Research Associate Professor in the Digital Computer Laboratory, nine months from September 16, 1963, $10,800 (7-10-63).
KONITZKI, JOSEPH F., Assistant to Director of Division of Rehabilitation-Education Services, with rank of Instructor (College of Physical Education), two months from July 1, 1963, $8,000 a year, and for one year from September 1, 1963, $8,500 (7-15-63).
KOUSKOLEKAS, COSTAS, Research Associate in Agricultural Entomology (Agricultural Experiment Station and Illinois Natural History Survey), September 1, 1963-February 29, 1964, $6,100 a year (8-19-63).
KOCZICKI, RICHARD J., Bibliographer in the Library, with rank of Instructor, one year from September 1, 1963, $8,000 (7-13-63).
KRISHNAMURTHY, VISWANATHA, Instructor in Mathematics, academic year beginning September 1, 1963, $7,000 (7-22-63).
KRONE, HENRY V., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, $10,300 (7-29-63).
KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), 1/10 time, one year from September 1, 1963, $900 (8-12-63).
KUNG, MRS. MARY R. W., Microanalyst in Chemistry, 1/4 time, one year from September 1, 1963, $3,870 (8-26-63).
KYPTA, LINTON S., Senior Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, $15,000 (7-29-63).
LADSON, JOHN A., Research Associate in Chemistry, one year from September 1, 1963, $6,500, supersedes (8-12-63).
LAMARR, WILMER A., Lecturer in English, academic year beginning September 1, 1963, $9,300 (7-25-63).
LAMBIN, HENRY J., Research Associate in Psychiatry (Medicine), one year from September 1, 1963, $8,750 (8-26-63).
LANSING, KENNETH M., Associate Professor of Art (College of Fine and Applied Arts), 1/2 time, and of Elementary Education (College of Education), 1/2 time, indefinite tenure from September 1, 1963, to render service during each academic year, $10,000 a year (7-26-63).
LAURANCE, LAVERNE R., Instructor in Nursing, academic year beginning September 1, 1963, $6,300 (7-18-63).
LAWRENCE, LIONEL L., Assistant in Speech and Theatre, nine months from September 16, 1963, $4,200 (8-14-63).
LEBEAU, LEON J., Associate Professor of Microbiology on the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, August 5 through November 31, 1963, $12,210 a year, and from September 1, 1963, through August 31, 1965, $13,200 a year; and, Associate Professor of Microbiology (Medicine), indefinite tenure from September 1, 1963, supersedes (7-1-63).
LEY, LUCRETIA, Instructor in Mathematics, 1/4 time, academic year beginning September 1, 1963, $1,800 (8-19-63).
LINDEN, PHILIP W., Serials Cataloger in the Library, with rank of Instructor, one year from September 1, 1963, $7,100, supersedes (8-26-63).
LINDENFELD, CARL E., Instructor in Mathematics, academic year beginning September 1, 1963, $7,000 (8-23-63).
LOEVY, HANNELORE (Medicine), Instructor in Anatomy (Medicine), one year from September 1, 1963, $8,500 (7-18-63).
LONG, CHESTER C., Assistant Professor of Speech and Theatre, two years from September 1, 1963, to render service during each academic year, $7,500 a year (7-17-63).
LONG, KEITH M., Instructor in Art, academic year beginning September 1, 1963, $5,800 (7-18-63).
LOPATA, Howard I., Assistant in Radiology (Medicine), one year from September 1, 1963, without salary (8-7-63).

LORD, William J., Jr., Associate Professor of Business Administration (College of Commerce and Business Administration), indefinite tenure from September 1, 1963, to render service during each academic year, $9,300 a year (8-12-63).

LOTT, James L., Research Associate in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1963, $5,400, supersedes (8-23-63).

Lowe, Mrs. Leona, Instructor in Mathematics, academic year beginning September 1, 1963, $7,200 (8-5-63).

Lu, Mrs. Chin-Pi, Instructor in Mathematics, academic year beginning September 1, 1963, $7,200 (8-23-63).

Lukas, Victor T., Research Assistant in the Statistical Service Unit (Provost's Office), one year from September 1, 1963, $1,200 a year (7-18-63).

Madden, John J., Research Associate in Microbiology, September 16, 1963-August 31, 1964, $6,100 (8-26-63).

Madenberg, Fred, Assistant Professor of Hygiene, in the Health Service (Chicago Undergraduate Division), two years from September 1, 1963, to render service during each academic year, $1,200 a year (7-18-63).

Magnasco, Peter T., Assistant in Physical Education for Men, nine months from September 16, 1963, $4,200 (7-3-63).

Makiic, Dragutin, Associate Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), indefinite tenure from September 1, 1963, $10,700 a year (7-26-63).

Mangan, Kenneth, Research Associate in the Institute for Research on Exceptional Children, one year from September 1, 1963, without salary (7-26-63).

Manning, John P., Associate Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), indefinite tenure from September 1, 1963, $10,700 a year (7-26-63).

Marston, Howard, Research Associate in Education (University High School), ¾ time, one year from September 1, 1963, $9,000 (8-26-63).

Martin, Mrs. Beverly B., Cataloger in the Library of Medical Sciences, with rank of Instructor (Medical Center), one year from September 1, 1963, $6,100 (8-5-63).

Marx, Werner, Assistant Professor of German, two years from September 1, 1963, to render service during each academic year, $7,150 a year (7-29-63).

Masterton, Don A., Assistant Professor of Art, Department of Administration (Chicago Undergraduate Division), June 21-August 16, 1963, $1,812, additional (7-18-63).

Mather, Susan C., Instructor in Nursing, academic year beginning September 1, 1963, $6,300 (7-18-63).

Matsumoto, Hideo, Research Associate in Pathology (Medicine), ½ time, ten months from August 1, 1963, $5,000 a year (8-7-63).

Matsumoto, Yorimi, Research Assistant in Physiology and Biophysics, four months from September 1, 1963, $429.17 a month (6-24-63).

Matten, Max R., Assistant Dean of the College of Liberal Arts and Sciences and Associate Professor of Zoology, one year from September 1, 1963, $9,700, supersedes (8-26-63).

Matthew, Guy R., Instructor in Radiology (Medicine), one year from September 1, 1963, without salary (8-20-63).

McCoy, M. Eleanor, Research Assistant Professor of Education (University High School), academic year beginning September 1, 1963, $10,800, superseded (8-5-63).

McDaniel, William L., Assistant Professor of Applied Materia Medica and Therapeutics (Dentistry), ½ time, two years from September 1, 1963, $5,000 a year, superseded (8-26-63).

McGreevey, Julia A., Instructor in Nursing, academic year beginning September 1, 1963, $6,300 (7-18-63).

McKinnon, Dana G., Assistant in English, nine months from September 16, 1963, $4,600, superseded (8-14-63).

McLaughlin, Thomas G., Instructor in Mathematics, academic year beginning September 1, 1963, $7,500 (8-23-63).
McLean, Robert L., Research Associate in Biological Chemistry (Medicine), one year from September 1, 1963, $9,500 (8-26-63).

McLellan, Rex B., Research Associate in Metallurgical Engineering (C), one year from September 1, 1963, $8,500 (7-17-63).

McMurtry, Laura M., Research Assistant in Chemistry, one year from September 1, 1963, $5,150 (7-10-63).

Meerman, Geradine, Research Associate in Chemistry, one year from September 1, 1963, $6,100 (7-26-63).

Mehr, Robert I., Professor of Finance, on indefinite tenure, to serve as Special Consultant to the Vice-President and Comptroller devising criteria and procedures for implementation of the Staff Salary Annuity Program, two months from July 1, 1963, $3,412, additional (7-25-63).

Mellody, Margaret, Research Assistant in Medicine (Medicine), one year from September 1, 1963, $7,350 (7-26-63).

Meredith, Gerald M., Research Associate in Psychology, one year from September 1, 1963, $6,100 (8-26-63).

Merkel, Henry, Instructor in Electrical Engineering (C), 1/5 time, academic year beginning September 1, 1963, $1,000; this is in addition to his appointment as Radio Corporation of America Fellow in Electrical Engineering, supersedes (8-21-63).

Merrill, Mary E., Assistant in English, nine months from September 16, 1963, $4,400 (8-26-63).

Meyer, Julia, Associate Professor of Oral Pathology (Dentistry), indefinite tenure from September 1, 1963, $12,500 a year (7-22-63).

Meyerson, Bernard L., Assistant Director of the Office of Foreign Student Affairs, one year from September 1, 1963, $10,000 (8-19-63).

Miller, Arthur A., Clinical Associate Professor of Psychiatry (Medicine), 1/4 time, one year from September 1, 1963, $3,800 (8-7-63).

Miller, Carol, Instructor in German, academic year beginning September 1, 1963, $6,300 (6-6-63).

Miller, Irving M., Instructor in English (Chicago Undergraduate Division), Summer Session of 1963, 1/2 time, June 21-August 16, 1963, $778 for the period (7-17-63).

Miller, Jerald, Instructor in Periodontics, Department of Applied Materials and Therapeutics (Dentistry), ½ time, one year from September 1, 1963, $3,200, supersedes (8-26-63).

Miller, Julian A., Clinical Assistant Professor of Psychiatry (Medicine), 3/10 time, one year from September 1, 1963, $4,000 (8-7-63).

Milliet, Stanton, Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, $8,700 a year (7-18-63).

Milloy, Frank J., Jr., Clinical Assistant Professor of Surgery (Medicine), ½ time, July 1, 1963-August 31, 1964, $2,000 a year, supersedes nonsalaried appointment (7-18-63).

Mims, Rosemarie S., Head Resident, Allen Hall South, ten months from September 1, 1963, $4,800; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation, supersedes (7-26-63).

Mini, Mrs. Patricia D., Research Assistant in Chemistry, one year from September 1, 1963, $5,200 (7-10-63).

Montague, William E., Visiting Assistant Professor of Psychology, academic year beginning September 1, 1963, $9,000 (8-26-63).

Montgomery, Clark A., Clinical Instructor in Medicine (Medicine), ½ time, four months from May 1, 1963, $3,068 a year, supersedes (6-14-63).

Montgomery, Gerald G., Research Associate in the State Natural History Survey, eleven months from August 1, 1963, $6,840 a year, supersedes (8-8-63).

Moore, Charles A., Assistant (Flight) in the Institute of Aviation, nine months from September 16, 1963, $4,200 (8-19-63).

Morton, Richard B., Research Associate in Chemistry, one year from September 1, 1963, $6,200 (7-26-63).

Moses, Norman, Instructor in Prosthodontics (Dentistry), 1/2 time, one year from September 1, 1963, $1,500 (7-25-63).

MUKHERJEE, KALINATH, Research Associate in Metallurgical Engineering (C), one year from September 1, 1963, $8,000 (7-17-63).

NAGATA, SHUICHI, Research Associate in Anthropology, one year from September 1, 1963, $6,100 (8-19-63).

NAKAHO, HIROSHI, Research Associate in Animal Science (S), September 16, 1963-August 31, 1964, $6,500 a year (8-19-63).

NAKAI, SHURYO, Research Associate in Food Science (S), one year from September 1, 1963, $6,200 (8-23-63).

NAGATA, SHUICHI, Research Associate in Anthropology, one year from September 1, 1963, $6,100 (7-29-63).

NAKAMURA, HIROSHI, Research Associate in Animal Science (S), September 16, 1963-August 31, 1964, $6,500 a year (8-19-63).

NAKAMURA, SHURYO, Research Associate in Food Science (S), one year from September 1, 1963, $6,200 (8-23-63).

NAKAI, SHURIKO, Research Associate in Food Science (S), one year from September 1, 1963, $6,200 (8-23-63).

NAKAMURA, HIROSHI, Research Associate in Animal Science (S), September 16, 1963-August 31, 1964, $6,500 a year (8-19-63).

NEU, IRENE D., Visiting Lecturer in History, nine months from September 16, 1963, $17,580 a year (7-29-63).

NEUMANN, LORENA, Assistant Editor, with rank of Instructor (C and S), two months from July 1, 1963, $566.67 a month, supersedes (8-8-63).

NEWMAN, ALBERT, Assistant (Intern) in the Student Counseling Service (Provost's Office), one year from September 1, 1963, $5,150 (8-23-63).

NISHIDA, TOSHIRO, Associate Professor of Food Science, College of Agriculture, 1/2 time, and Agricultural Experiment Station, 1/2 time, indefinite tenure from September 1, 1963, $10,500 a year, supersedes (8-12-63).

NISONOFF, ALFRED, Professor of Microbiology, indefinite tenure from September 1, 1963, $17,580 a year (7-29-63).

NOBLE, BRUCE J., Instructor in Physical Education for Men, nine months from September 16, 1963, $6,000 (7-6-63).

NORTON, ROBERT H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), one year from September 1, 1963, $6,100 (8-7-63).

NYLONAS, HARIasses A., Research Associate in Food Science (S), one year from September 1, 1963, $7,800 (8-26-63).

OLESKY, MRS. MARGARET H., Instructor in English (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,689 for the period, supersedes previous Summer Session (7-17-63).

ORE, DONALD E., Instructor in Dentistry (Dentistry), 1/2 time, one year from September 1, 1963, $6,400 (7-25-63).

O'NEILLY, MICHAEL F., Instructor in Mathematics, academic year beginning September 1, 1963, $6,000 (8-23-63).

OTTE, KARL H., Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, $6,500 (7-25-63).

OWENS, RHODELL E., Lecturer in Recreation (College of Physical Education), 1/4 time, September 16, 1963-January 31, 1964, $1,100, supersedes (8-20-63).

PAGE, BENJAMIN F., Instructor in the Graduate School of Library Science, 1/4 time, academic year beginning September 1, 1963, $3,000 (7-12-63).

PAGE, ROBERT R., Instructor in Philosophy (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,423 for the period, supersedes previous Summer Session appointment (7-17-63).

PAUL, SHERMAN, Professor of English, 1/2 time, indefinite tenure, and Associate Member of the Center for Advanced Study, 1/2 time, one year from September 1, 1963, and Professor of English, full time, indefinite tenure from September 1, 1964, to render service during each academic year, $16,700 a year (8-8-63).

PECK, THEODORE R., Assistant Professor of Soils Extension (Agronomy) (E), two years from September 1, 1963, $8,500 a year (8-23-63).

PEENSEN, WILLIAM, JR., Instructor in Architecture, academic year beginning September 1, 1963, $6,800 (8-21-63).

PENCHINA, CLAUDE M., Research Associate in Electrical Engineering (C), one year from September 1, 1963, $8,000 (8-21-63).

PENNY, LBEN C., Clinical Instructor in Medicine (Medicine), 1/10 time, one year from September 1, 1963, $900 (8-12-63).

PENNISI, LOUIS L., Associate Professor of Mathematics (Chicago Undergraduate Division), Summer Session of 1963, 1/2 time, June 21-August 16, 1963, $1,741 for the period (7-17-63).
PENROD, DARRELL D., Instructor in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1963, $5,800, supersedes (8-19-63).

PERSHING, ROSCOE L., Research Associate in Agricultural Engineering (S), 3/4 time, one year from September 1, 1963, $4,000 (8-19-63).

PESKIN, SIDNEY, Clinical Instructor in Surgery (Medicine), without salary, and Instructor in Oral Surgery (Dentistry), 1/2 time, one year from September 1, 1693, $3,750 (8-19-63).

PHILLIPS, THOMAS N., Assistant Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), two years from September 1, 1963, $10,300 a year (7-26-63).

PIETRAS, KAYMOND J., Instructor in Medicine (Medicine), two months from July 1, 1963, $708.33 a month, supersedes nonsalaried appointment (7-16-63); and 3/10 time, one year from September 1, 1963, $2,750 (8-12-63).

PIKE, JOHN R., Instructor in Finance, academic year beginning September 1, 1963, $8,000 (7-17-63).

PINTO, JOSEPH D., Research Associate in Chemistry, one year from September 1, 1963, $6,100 (8-19-63).

PIKE, JOHN R., Instructor in Finance, academic year beginning September 1, 1963, $8,000 (7-17-63).

POLLAK, VICTOR E., Research Associate Professor of Medicine (Medicine), 17/100 time, two months from July 1, 1963, $208.33 a month, supersedes nonsalaried appointment (7-18-63); and on 17/100 time, indefinite tenure from September 1, 1963, $2,500 a year (8-21-63).

PONZO, PETER, Research Associate in Electrical Engineering, 1/4 time, and in the Coordinated Science Laboratory, 3/4 time, nine months from September 1, 1963, and in the Coordinated Science Laboratory (C), full time, three months from June 1, 1964, $10,000 (8-16-63).


PUSZTASZERI, STEPHEN F., Research Assistant in Chemistry, one year from September 1, 1963, $5,160 (8-3-63).

RAJKUMAR, TARA V., Research Associate in Chemistry, ten months from November 1, 1963, $508.33 a month, supersedes (8-26-63).


RAMALEY, LOUIS, Research Associate in Chemistry, academic year beginning September 1, 1963, $6,300 (8-12-63).

RANSFORD, RALPH E., Lecturer in Anatomy (Medicine), 1/2 time, academic year beginning September 1, 1963, $5,013 (7-25-63).

RAUENHEIMER, ANNA E., Instructor in Home Economics (C), academic year beginning September 1, 1963, $5,100 (8-23-63).

REILAND, JOHN C., Research Assistant in Microbiology, one year from September 1, 1963, $5,333.28 (8-22-63).

REILLY, JAMES R., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), 3/4 time, one year from September 1, 1963, $5,580, supersedes (8-23-63).

REINER, MRS. IRMA, Assistant Professor of Mathematics, 1/2 time, academic year beginning September 1, 1963, $4,200 (8-26-63).

REMENTUHK, EUDOKIA, Clinical Instructor in Pathology (Medicine), one year from September 1, 1963, without salary (7-25-63).

RESH, JAMES A., Research Associate in Electrical Engineering, 1/4 time, and in the Coordinated Science Laboratory, 3/4 time, nine months from September 1, 1963, and in the Coordinated Science Laboratory (C), full time, three months from June 1, 1964, $10,000 (8-16-63).

RHOEDES, MRS. DAPHNE I., Assistant to the Dean of Women (Chicago Undergraduate Division), one year from September 1, 1963, $6,000 (8-19-63).

RIES, DONALD G., Research Associate in Chemistry, three months from September 1, 1963, $508.33 a month (8-26-63).

ROBINSON, DERICK J. S., Instructor in Mathematics, academic year beginning September 1, 1963, $7,000 (8-23-63).

ROBINSON, GARTh, Research Associate in Biological Chemistry (Medicine), one year from September 1, 1963, $8,400 (7-25-63).
RODRIGUEZ, EDUARDO, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1963, $5,150 (8-19-63).

ROGGE, WILLIAM M., Research Assistant Professor of Education (University High School), one year from July 1, 1963, $11,000 (7-29-63).

ROSEN, SAMUEL, Assistant in the Division of General Studies, nine months from September 16, 1963, $4,350 (8-3-63).

ROSS, ROBERT C., Leader, Foreign Agriculture Visitors, and Assistant Coordinator, International Cooperation Programs (Office of International Cooperation Programs), ½ time, one year from September 1, 1963, $6,750 (7-17-63).

RUMMEL, MARION L., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1963, ½ time, June 21-August 16, 1963, $712 for the period (8-26-63).

RUSSELL, JOHN K., Instructor in Electrical Engineering (C), ½ time, academic year beginning September 1, 1963, $3,825, supersedes (8-19-63).

SAFANIE, ALVIN H., Assistant Professor of Veterinary Anatomy and Histology (College of Veterinary Medicine) and of Veterinary Research (Agricultural Experiment Station), two years from September 1, 1963, $12,100 a year (7-26-63).

SANGHY, INDRAVADAN S., Research Assistant in Pharmacology (Medicine), one year from September 1, 1963, $5,500 (7-26-63).

SARGENT, FREDERICK, II, Acting Head of Department of Physiology and Biophysics, academic year beginning September 1, 1963, $500; this is in addition to his appointment as Professor of Physiology and Member of the Senior Staff of the Center for Zoonoses Research (5-18-63).

SARKISSIAN, JOHN L., Instructor in Biology (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,200 for the period, supersedes previous Summer Session appointment (7-17-63).

SARLAS, SOPHIE H., Instructor in Art, academic year beginning September 1, 1963, $5,700 (8-26-63).

SCHIER, RUDOLF, Instructor in German, academic year beginning September 1, 1963, $6,300 (6-6-63).

SCHEFFER, ALFRED G., Professor of Veterinary Clinical Medicine (College of Veterinary Medicine), indefinite tenure from September 1, 1963, $13,950 a year (7-26-63).

SCHILLER, ANDREW, Associate Professor of English (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,956 for the period (7-17-63).

SCHLOSS, BERT F., Visiting Lecturer in Political Sciences (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, $1,500 for the period (7-17-63).

SCHMITZ, RICHARD F., Instructor in Dentistry (Dentistry), one year from September 1, 1963, $7,000 (7-18-63).

SCHROER, DAVID E., Instructor in Mathematics, academic year beginning September 1, 1963, $7,700 (8-23-63).

SCHULTE, HENRY F., Instructor in Journalism (College of Journalism and Communications), ½ time, academic year beginning September 1, 1963, $3,750 (8-19-63).
SEITZ, FREDERICK, Professor of Physics and Head of the Department (C), two months from July 1, 1963, $5,156, additional (8-21-63).

SEGUIN, LILY H., Assistant Professor of Mathematics, academic year beginning September 1, 1963, $7,700 (8-26-63).

SETH, SHANTIK., Research Associate in Microbiology, October 15, 1963-August 31, 1964, $7,000 a year (8-12-63).

SOUTAS, DEMETRIUS, Research Associate in Food Technology (S), August 1, 1963-August 31, 1964, $6,500 a year (7-17-63).

SHARMA, KAMAL N., Visiting Research Assistant Professor of Psychology and Physiology, eight months from September 1, 1963, $8,940 a year (8-26-63).

SHAUGHNESSY, JOSEPH B., Assistant Professor of Architecture, academic year beginning September 1, 1963, $7,500 (8-26-63).

SHIMONY, ZVI, Visiting Research Associate in Electrical Engineering (C), one year from September 1, 1963, $6,000 (8-26-63).


SIA, MINC BE, Instructor in Nursing, academic year beginning September 1, 1963, $6,600 (8-5-63).

SINGH, SANKATHAP., Instructor in Mathematics, academic year beginning September 1, 1963, $5,200 (8-23-63).

SKAPERDAS, DOMINIC O., Senior Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, $14,200 (7-29-63).

SLICHTER, CHARLES P., Professor (C), 1/2 time, indefinite tenure, and Associate Member of the Center for Advanced Study, 1/2 time, one year from September 1, 1963, and Professor of Physics (C), indefinite tenure from September 1, 1964, to render service during each academic year, $21,000 a year (8-8-63).

SMITH, JOHN H., Instructor in Accountancy, 1/2 time, academic year beginning September 1, 1963, $2,500 (5-20-63).

SMITH, SARA W., Assistant in English, nine months from September 16, 1963, $4,200 (6-10-63).

STURUD, JULIE A., Assistant in the Division of General Studies, nine months from September 16, 1963, $4,200 (8-14-63).
SUMINO, KOJI, Research Associate in Metallurgical Engineering (C), one year from September 1, 1963, $8,500 (7-17-63).

SUMMER, MARGARET A., Instructor in Nursing, academic year beginning September 1, 1963, $6,300 (8-19-63).

SUSSMAN, HANS G., Research Associate in Oral Pathology (Dentistry), ¾ time, one year from September 1, 1963, $6,400 (7-26-63).

SUTTON, PEGGY R., Research Assistant in the Institute for Research on Exceptional Children, nine months from September 16, 1963, $3,100 (8-19-63).

SWARTZ, ROBERT J., Instructor in Philosophy, academic year beginning September 1, 1963, $6,500 (6-8-63).

TAGGER, ETTY S., Research Assistant in Orthodontics (Dentistry), seven months from September 1, 1963, $3,208.31 (7-25-63).

TAYLOR, JAMES W., Assistant Dean of Men, one year from September 1, 1963, $6,600 (8-26-63).

TENG, CHENG YEE, Instructor in Medicine (Medicine), 45/100 time, ten months from September 1, 1963, $3,000 a year (8-12-63).

TERNAY, ANDREW L., JR., Research Associate in Chemistry, one year from September 1, 1963, $6,100 (7-26-63).

THOITS, CHARLES F., III, Research Associate in the State Natural History Survey (Graduate College), one year from September 1, 1963, $9,600 (8-16-63).

THOMAS, CHARLES R., Assistant Director, Systems and Programming Development, Statistical Service Unit (Administration—Provost's Office), one year from September 1, 1963, $10,600, supersedes nonacademic appointment (8-19-63).

TLECHENOR, DUANE, Research Associate in Vocational and Technical Education, ¾ time, academic year beginning September 1, 1963, $4,650 (8-26-63).

TROOK, NICHOLAS, Associate Professor of Otolaryngology (Medicine), ¾ time, nine months from September 1, 1963, $12,800 a year (8-7-63).

TROTT, MR. BEVERLY D., Research Associate in Metallurgical Engineering (C), one year from September 1, 1963, $4,500 a month, and full time, two months from July 1, 1964, $600 a month (7-17-63).

TSANG, FLORIS YUNG, Research Associate in Chemistry, one year from September 1, 1963, $6,100 (7-26-63).

TURCK, MARVIN, Instructor in Medicine (Medicine), 35/100 time, ten months from September 1, 1963, $2,400 a year (8-12-63).

UCHIMARU, FUMIHKO, Research Associate in Chemistry, seven months from February 1, 1964, $6,100 a year (8-12-63).

UNZICKER, JOHN D., Research Associate in the State Natural History Survey and in the Graduate College, ½ time, nine months from September 1, 1963, $1,980, and full time, three months from June 1, 1964, $1,320 (8-19-63).

VAICHULIS, EUGENE M., Instructor in Microbiology (Medicine), one year from September 1, 1963, $8,000 (7-25-63).

VANDEMARK, NOLAND L., Professor of Physiology, Department of Dairy Science (C and S), indefinite tenure from September 1, 1963, $16,500 a year, supersedes (8-5-63).
VELEZ-VASQUEZ, ENRIQUE, Research Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), one year from September 1, 1963, $6,000 (7-26-63).

VERTS, BOBBIE J., Research Associate in the State Natural History Survey (Graduate College), eleven months from August 1, 1963, $4,254 a year, supersedes (8-8-63).

VIA, JOHN A., Assistant in English, February 1-June 15, 1964, $2,200, supersedes (8-14-63).

VISWANATHAN, L., Research Associate in Chemistry, one year from September 1, 1963, $6,100 (7-26-63).

VORIS, DAVID C., Clinical Associate in Neurosurgery (Medicine), one year from September 1, 1963, without salary (8-21-63).

VOTH, BRIAN W., Research Engineer in the Coordinated Science Laboratory (C), one year from September 1, 1963, $10,000 (7-29-63).

WACHSMAN, T., Associate Professor of Microbiology, one year from September 1, 1963, $11,550, and Associate Professor of Microbiology, indefinite tenure from September 1, 1964, to render service during each academic year, without salary (8-5-63).

WADSWORTH, PHILIP A., Professor of French, 1/2 time, indefinite tenure, and Associate Member of the Center for Advanced Study, 1/2 time, one year from September 1, 1963, and Professor of French, indefinite tenure from September 1, 1964, to render service during each academic year, $15,850 a year (8-8-63).

WAGMAN, ARTHUR B., Assistant in Radiology (Medicine), one year from September 1, 1963, without salary (8-7-63).

WALKER, BRIAN L. H., Research Associate in Food Science (S), one year from September 1, 1963, $6,500 (8-23-63).

WALLEN, DONALD L., Jr., Instructor in City Planning and Landscape Architecture, two years from September 1, 1963, to render service during each academic year, $7,000 a year (8-12-63).

WALL, F. T., Professor of Physical Chemistry, Department of Chemistry and Chemical Engineering, indefinite tenure from September 1, 1963, to render service during each academic year, $25,000 a year, supersedes (7-23-63).

WALLER, EDNA L., Project Assistant in the State Natural History Survey and in the Graduate College, four months from September 1, 1963, $1,100 (8-21-63).

WALTER, JOHN H., Associate Professor of Mathematics, 1/2 time, indefinite tenure, and Associate Member of the Center for Advanced Study, 1/2 time, one year from September 1, 1963, and Associate Professor of Mathematics, full time, indefinite tenure, from September 1, 1964, to render service during each academic year, $10,500 a year (8-8-63).

WARNOCK, JOHN E., Research Associate in the State Natural History Survey and in the Graduate College, eleven months from August 1, 1963, $6,860 a year, supersedes (8-8-63).

WATRACH, MRS. MARIAN N., Research Associate in Veterinary Pathology and Hygiene (College of Veterinary Medicine), 1/2 time, one year from September 1, 1963, $6,290, supersedes (8-3-63).

WATSON, J. STROUD, Instructor in Architecture, academic year beginning September 1, 1963, $6,500 (7-26-63).

WEBB, ROBERT J., Adviser to Farm Manager at Pannagar, U.P. Agricultural University, Pannagar, India, for service under Contract ICAc-1258, October 1, 1963 through May 31, 1964, $16,060 a year; and Professor of Agricultural Research and Extension, and Superintendent of the Dixon Springs Experiment Station, indefinite tenure, one month from September 1, 1963, and from June 1, 1964, $14,600 a year, supersedes (7-29-63).

WEBER, CHARLES, Instructor in Accountancy, 1/4 time, academic year beginning September 1, 1963, $1,300 (6-24-63).

WEBER, EVELYN, Research Associate in Chemistry, academic year beginning September 1, 1963, $6,300 (8-26-63).

WEINMAN, KARLA P., Research Assistant in Physiology, nine months from September 10, 1963, $4,200 (8-21-63).
Welker, Neil E., Research Associate in Microbiology, one year from September 1, 1963, $8,000 (8-6-63).

Will, Frederick L., Associate Member of the Center for Advanced Study, second semester of 1963-64, and Professor of Philosophy, indefinite tenure from September 1, 1963, to render service during each academic year, $15,850 a year (8-8-63).

Willard, Robert E., Assistant Research Engineer in the Digital Computer Laboratory, one year from September 1, 1963, $8,000 (8-23-63).

Witz, Klaus G., Instructor in Mathematics, academic year beginning September 1, 1963, $7,500 (8-23-63).

Wollersheim, David, Assistant in Mechanical Engineering (C), nine months from September 16, 1963, $5,000 (8-22-63).

Wunderle, Steven L., Project Assistant in the State Natural History Survey and in the Graduate College, eleven months from August 1, 1963, $4,980 a year (8-8-63).

Yamada, Shigeharu, Visiting Assistant Professor in the Digital Computer Laboratory, nine months from September 16, 1963, $10,000 (7-10-63).

Yavin, Avivi I., Assistant Professor of Physics (C), academic year beginning September 1, 1963, $9,700 (7-25-63).

Young, Lorna B., Research Assistant in Chemistry, one year from September 1, 1963, $5,500 (7-10-63).

Yu, May Fujian, Research Assistant in Microbiology, one year from September 1, 1963, $5,150 (8-19-63).

Graduate Fellows
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

Aaron, Howard B., Sloan Foundation Fellow in Metallurgy, nine months from September 16, 1963, $2,400 (7-29-63).

Bach, Gerhard L., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, $5,000 (7-8-63).

Barrett, Mrs. Sondra G., United States Public Health Service Fellow (Trainee) in Biological Chemistry, one year from July 1, 1963, $2,300 (7-8-63).

Bartosik, Delphine B., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, $5,650 (7-8-63).

Beztz, Marilyn G., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).

Bifano, Jacqueline, United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, $1,916.60 (7-10-63).

Blatt, Philip E., United States Public Health Service Fellow (Trainee) in Internal Medicine, one year from July 1, 1963, $8,000 (7-8-63).

Breneman, Sheila L., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, $1,800 (8-16-63).

Broder, Stefan I., United States Public Health Service Fellow (Trainee) in Biological Chemistry, July 1-September 15, 1963, $500 (7-11-63).

Brooker, Marie L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (8-13-63).

Cardenas, Mary J., United States Public Health Service (Trainee) in Chemistry, nine months from September 16, 1963, $2,100 (7-16-63).

Clark, Larry W., United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1963, $2,500 (7-16-63).

Cole, Robert E., Keio-Illinois Exchange Fellow in Labor and Industrial Relations, one year from September 1, 1963, $3,020 (7-29-63).

Crouch, Robert J., United States Public Health Service Predoctoral Fellow in Chemistry, one year from July 1, 1963, $2,000 (7-12-63).

Cunningham, Carol C., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,100 (7-16-63).

Dagley, Stanley, National Science Foundation Senior Foreign Scientist Fellow in Chemistry, one year from August 16, 1963, $15,000 (7-22-63).

Davis, Emile M., United States Public Health Service Fellow (Trainee) in Histology (Dental), one year from July 1, 1963, $6,500 (7-8-63).
Dellenback, Barbara K., United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, $200 (7-12-63).

DePinto, John A., United States Public Health Service Fellow (Trainee) in Microbiology, ten months from September 1, 1963, $2,500 (8-16-63).

Dyer, Olympia P., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (8-13-63).

Dyhr, Peter, Fellow in Law, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375 (7-18-63).

Eaton, John L., United States Public Health Service Fellow (Trainee) in Entomology, ten months from September 1, 1963, $2,400 (8-16-63).

Fellheimer, Carolyn L., Office of Vocational Rehabilitation Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).

Fisch, Paular J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).

Fisher, Barbara N., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,200 (7-16-63).

Fites, Roger C., Wright-Burlison Fellow in Agronomy, nine months from September 16, 1963, $2,300, supersedes (8-12-63).

Gale, Henry H., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, $3,900 (7-8-63).

Galluzzi, V. Nicholas, United States Public Health Service Fellow (Trainee) in Biophysics, September 16, 1963-January 31, 1964, $999.75 (7-26-63).

Gantt, R. Raymond, United States Public Health Service Fellow (Trainee) in Biochemistry, three months from July 1, 1963, $650 (7-11-63).

Gelsen, Ronald L., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1963, $2,600 (7-16-63).

Gerbeck, Claire M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, $2,000 (7-8-63).

Gibb, Mary C., Knox College Fellow in Social Work, nine months from September 16, 1963, $1,500 (7-11-63).

Gilman, Alice, United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, $3,000 (8-1-63).

Godu, Jacques A. J. C., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from September 1, 1963, $6,000 (7-22-63).

Gross, Ira, United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, $2,400 (7-17-63).

Gunther, Kay K., United States Public Health Service Predoctoral Fellow in Chemistry, one year from August 16, 1963, $2,000 (8-22-63).

Gutiierrez, Norma B., United States Public Health Service Fellow (Trainee) in Psychiatry, one year from July 1, 1963, $2,400 (8-5-63).

Habush, Sandra B., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (8-13-63).

Halfman, Clarke, United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, $2,600 (7-29-63).

Hansen, John R., United States Public Health Service Fellow (Trainee) in Chemistry, one year from September 1, 1963, $2,400 (8-16-63).

Harpringe, Linda, United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,300 (7-16-63).

Hecht, Patricia J., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, $2,000 (7-17-63).

Heintz, Norman V., United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, $200 (7-9-63).

HembrOUGH, Carol J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (8-13-63).
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Hoekman, Theodore B., United States Public Health Service Fellow (Trainee) in Biophysics, one year from June 16, 1963, $2,666 (7-12-63).

Hoffman, Ronald F., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, $1,800 (7-17-63).

Iandolo, John J., United States Public Health Service Predoctoral Fellow in Food Technology, one year from July 1, 1963, $2,500 (7-26-63).

Jackson, Susanne, United States Children's Bureau Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (8-13-63).

Johnson, Joyce H., United States Public Health Service Fellow (Trainee) in Physiology, ten months from September 1, 1963, $2,000 (7-8-63).

Jonas, Jiri, Postdoctoral Fellow in Chemistry, one year from August 16, 1963, $6,000 (7-25-63).

Joyce, Nancy E., General Foods Fund Fellow in Home Economics, nine months from September 16, 1963, $2,000 (7-16-63).

Kahn, Walter J., United States Public Health Service Fellow (Trainee) in Ophthalmology, two months from July 1, 1963, $1,100 (7-19-63).

Kamphorst, Thomas J. J., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, $1,800 (7-17-63).

Kerley, Gerald I., National Science Foundation Graduate Fellow in Chemistry, one year from July 1, 1963, $1,800 (8-12-63).

Kodama, Robert M., United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1963, $2,300 (7-8-63).

Koerner, Kenneth J., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, $2,666 (8-16-63).

Kominek, Leo A., United States Public Health Service Predoctoral Fellow in Microbiology, one year from July 1, 1963, $3,200, supersedes (7-22-63).

Krauel, Pauline, Special Fellow in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).

Lain, Richard F., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 1, 1963, $2,666 (8-16-63).

Lee, Donald J., United States Public Health Service Fellow (Trainee) in Animal Science, one year from September 1, 1963, $2,600 (7-16-63).

Lehn, Lloyd L., American Society of Tool Manufacturing Engineer Fellow in Mechanical and Industrial Engineering, nine months from September 16, 1963, $2,300 (7-16-63).

Levy, Howard B., United States Public Health Service Fellow (Trainee) in Physiology, nine months from September 16, 1963, $2,100 (8-22-63).

Lieb, William R., National Science Foundation Graduate Fellow in Biophysics, nine months from September 16, 1963, $1,500, supersedes (7-10-63).

Lieber, Roslyn, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (8-13-63).

Lipper, Elizabeth L., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,100 (7-16-63).

Loken, Julie L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).

Lukenbach, Elvin R., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $1,800 (7-24-63).

Marlin, Marjorie J. M., National Science Foundation Cooperative Fellow in Psychology, one year from September 1, 1963, $2,400 (8-19-63).

McGuire, Miss Douglas, United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, $3,000 (7-17-63).

McIntosh, Elizabeth O., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $2,000 (6-18-63).

McIntosh, Ralph D., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, two months from July 1, 1963, $840, supersedes (7-11-63).

Miller, Marilyn T., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from July 1, 1963, $3,000 (7-8-63).

Moberg, Gary P., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, $2,666 (8-16-63).
Moss, Steven A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,286.25, supersedes (7-10-63).

Muetth, Ritta A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, $2,820 (8-16-63).

Nance, Jon R., National Science Foundation Graduate Fellow in Physics, one year from September 1, 1963, $3,200 (8-21-63).

Nelson, Wayne B., National Science Foundation Graduate Fellow in Mathematics, one year from September 1, 1963, $3,700 (8-13-63).

Newton, Stephen B., United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, $2,800 (7-29-63).

Niblack, John F., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,100 (7-16-63).

Niemycki, Dorothy E., United States Office of Education Fellow in Education, nine months from September 16, 1963, $2,000 (7-26-63).


Ohren, Beverly A. K., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (8-13-63).


Palmer, Jerry L., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, $3,200 (8-1-63).

Peterson, Lance G., United States Public Health Service Fellow (Trainee) in Entomology, ten months from September 1, 1963, $2,400 (8-16-63).

Phillips, Robert D., Teaching Fellow in the Classics, nine months from September 16, 1963, $1,600; and two months from June 16, 1964, $500, supersedes (7-12-63).

Portugal, Franklin H., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1963-June 30, 1964, $1,820.77 (7-17-63).

Rayl, Martin, Texas Instrument Fellow in Physics, nine months from September 16, 1963, $2,000; and two months from June 16, 1964, $500 (8-12-63).

Redenbo, James M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, $2,666 (8-16-63).

Rielis, Darlene C., United States Public Health Service Fellow (Trainee) in Biological Chemistry, July 1-September 15, 1963, $500 (8-2-63).

Rettig, Michael F., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $1,800 (7-24-63).

Roberts, Leo J., United States Public Health Service Fellow (Trainee) in Ophthalmology, one year from July 1, 1963, $3,000 (7-15-63).

Ruth, Robin E., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,200 (7-16-63).

Samuels, Robert B., United States Public Health Service Fellow (Trainee) in Food Technology, one year from September 1, 1963, $2,500 (7-18-63).

Saxinger, William C., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, $2,820 (8-16-63).

Schaff, Doris M., United States Public Health Service Fellow (Trainee) in Psychiatry, June 17-September 17, 1963, $200 (7-17-63).

Schatz, Howard, United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, $600 (7-12-63).

Stahly, Donald P., United States Public Health Service Predoctoral Fellow in Microbiology, one year from July 1, 1963, $3,000 (7-22-63).

Stalder, Mary J., United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, $2,800 (8-1-63).

Swiatek, Kenneth R., United States Public Health Service Fellow (Trainee) in Biochemistry, one year from July 1, 1963, $2,400 (7-3-63).

Twaranovica, Joseph A., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, $2,400 (7-17-63).
Van Arendonk, Arthur M., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,100 (7-16-63).

Vold, Barbara S., Fellow in Botany, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375, supersedes (8-26-63).

Washington, Ernest D., United States Public Health Service Fellow (Trainee) in Education (School Psychology), nine months from September 16, 1963, $1,800 (7-17-63).

Wieland, Anna M., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from July 1, 1963, $2,750 (7-8-63).

Wilson, G. Edwin, Jr., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $3,000 (8-16-63).

Woodfin, Beulah M., United States Public Health Postdoctoral Fellow in Chemistry, June 24-August 31, 1963, $1,092.10 (7-25-63).

Wyler, Joseph G., Jr., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,740, supersedes (7-26-63).

Yang, Henderson and C. H., Fellow in Physics, February 1-June 15, 1964, $1,000; and two months from June 16, 1964, $500, supersedes (7-16-63).

Resignations, Declinations, and Cancellations

Albright, Jack L., Assistant Professor of Dairy Husbandry (Dairy Science) — resignation effective September 1, 1963.

Allen, Don R., Research Associate in the Coordinated Science Laboratory — resignation effective September 1, 1963.

Ambrose, James E., Assistant Professor of Architecture — resignation effective September 1, 1963.

Andrews, Rollin D., III, Project Assistant in Aquatic Biology in the Graduate College and in the State Natural History Survey — resignation effective September 1, 1963.

Bagby, Paul P., Catalog Assistant in the Library — cancellation effective February 18, 1963.

Bagby, Roland M., United States Public Health Service Fellow (Trainee) in Physiology — resignation effective September 1, 1963.

Baker, C. M. Ann, Research Associate in Physiology — declination effective September 1, 1963.


Bennett, Mrs. Sara A., Research Assistant in the Coordinated Science Laboratory — resignation effective September 1, 1963.

Bille, H. R., Research Associate in the Digital Computer Laboratory — declination effective September 1, 1963.


Bungert, William C., Research Associate in Secondary and Continuing Education (University High School) — declination effective September 1, 1963.

Burkman, Allan M., Assistant Professor of Pharmacology (Pharmacy) — resignation effective September 1, 1963.

Butler, Barbara D., Research Assistant in Physiology — declination effective September 16, 1963.

Clark, Ardath M., Assistant in English — declination effective September 16, 1963.

Coddington, Bertha M., Serials Cataloger in the Library, with rank of Instructor — declination effective September 1, 1963.

Curry, E. Thayer, Professor of Speech — declination effective September 1, 1963.

Dai, Peter K., Instructor in Civil Engineering — declination effective September 1, 1963.

Davis, Stephen R., Lecturer in Mechanical Engineering — resignation effective September 1, 1963.

Denham, Elam L., Assistant Professor of Architecture — resignation effective September 1, 1963.

Devillez, Edward J., United States Public Health Service Fellow (Trainee) in Physiology and Biophysics — resignation effective September 1, 1963.
DICK, RICHARD I., Instructor in Civil Engineering — declination effective September 1, 1963.

ENCANDELA, VICTOR J., Instructor in Medical Social Work (Medicine) — resignation effective September 1, 1963.

FARHI, EDNA S., Research Assistant in Physiology — declination effective September 1, 1963.


FRASER, CONSTANCE, Assistant Professor of Medical Social Work and Crippled Children (Medicine) — resignation effective September 1, 1963.

FRASER, EMERSON W., Adjutant, R.O.T.C., and Associate Professor of Military Science — declination effective September 1, 1963.

GRIFFIN, MARY C., Associate Professor of Business Education — resignation effective September 1, 1963.

HABAS, LINDA B., United States Public Health Service Fellow (Trainee) in Physiology — resignation effective September 1, 1963.

HACHTEL, BARBARA M., United States Public Health Service Fellow (Trainee) in Anatomy — resignation effective July 1, 1963.

HARKNESS, BRUCE, Professor of English and Executive Secretary of the Department — resignation effective September 1, 1963.

HARPER, ANNE Y., Research Assistant in the Bureau of Economic and Business Research — declination effective September 1, 1963.

HARVEY, ROBERT O., Professor of Finance — resignation effective September 1, 1963.

KAFKA, ROBERT W., Instructor in Electrical Engineering — resignation effective July 1, 1963.

KAVANAGH, JEAN, Research Assistant in Psychiatry (Medicine) — resignation effective July 1, 1963.

KEPLER, JON S., Fellow in History — resignation effective September 16, 1963.


KRUUS, JAAN, Research Associate in the Coordinated Science Laboratory — declination effective September 1, 1963.

LANYON, P. D., Visiting Research Associate in Electrical Engineering — resignation effective September 1, 1963.

LEHMANN, JOHN R., Instructor in Electrical Engineering — resignation effective September 1, 1963.

LOCKHART, HELEN R., Assistant Professor of Medical Social Work (Medicine) — resignation effective September 1, 1963.

LONDON, PERRY, Associate Professor of Psychology — declination effective September 1, 1963.

LOWER, WILLIAM D., Assistant in English — declination effective September 16, 1963.
MARTIN, DAVID M., Assistant in English — declination effective September 16, 1963.
NAMURBY, C. N. V., Research Associate in Pharmacy Chemistry (Pharmacy) —
resignation effective September 1, 1963.
NANCE, JON R., National Science Foundation Graduate Fellow in Physics —
cancellation effective June 16, 1963.
NAVARRERE, DELIA A., Assistant in Home Economics — resignation effective
September 1, 1963.
NEILL, DAVID M., Assistant in Electrical Engineering (Chicago Undergraduate
Division) — resignation effective September 1, 1963.
NEILSON, MRS. NANCY V., Spectroscopist in Chemistry — resignation effective
August 16, 1963.
NEUMAN, ROBERTA, Research Assistant in Microbiology — resignation effective
NINOMIYA, TOSHIYUKI, Research Assistant Professor of Physical Metallurgy —
resignation effective September 1, 1963.
OLSON, CHARLES E., JR., Assistant Professor of Forestry — resignation effective
September 1, 1963.
ONANIAN, EDWARD D., Research Associate in the Bureau of Economic and Busi-
ness Research — declination effective September 1, 1963.
ORR, MARGERY A., National Science Foundation Institute Fellow in Mathematics —
resignation effective June 16, 1963.
PESSALL, NEIL, Research Associate in Mining, Metallurgy, and Petroleum Engi-
neering — resignation effective September 1, 1963.
PHILLIPS, ROBERT L., JR., Instructor in Landscape Architecture — resignation
effective September 1, 1963.
PRATT, LARRY D., National Science Foundation Institute Fellow in Mathematics —
resignation effective August 13, 1963.
PUCHLEY, JAMES H., Instructor in Electrical Engineering — resignation effective
September 1, 1963.
RAETZMAN, MRS. BARBARA L., Assistant in Occupational Therapy (Medicine) —
resignation effective September 1, 1963.
SCHAFER, DOROTHEA, Instructor in German — declination effective September 1,
1963.
SCHUMACHER, GEORGE, Research Associate in the Institute for Tuberculosis
SHIMKIN, DEMITRI B., Professor of Anthropology, Summer Session of 1963 —
cancellation effective June 17, 1963.
SMITH, GARMOND S., Assistant Professor of Animal Science — declination effective
September 1, 1963.
SMITH, JACK L., United States Public Health Postdoctoral Fellow in Animal
Science — resignation effective October 1, 1963.
SMITH, JAMES L., Assistant in Civil Engineering — resignation effective August 10,
1963.
SMITH, ROBERT S., Research Assistant Professor of Electrical Engineering —
resignation effective September 1, 1963.
Smythe, Dallas W., Research Professor of Communications — resignation effec-
tive September 1, 1963.
TAMAI, TADASI, Research Associate in Physiology — declination effective Sep-
tember 1, 1963.
THIER, HERBERT D., Research Associate in Secondary and Continuing Education —
resignation effective September 1, 1963.
THOMAS, SU ANN J., Assistant Extension Editor in Agriculture, with rank of
Assistant — declination effective September 1, 1963.
TRUPIN, JOEL S., Assistant in Dairy Science — resignation effective September 1,
1963.
WAITS, JANET M., Research Assistant in the Bureau of Economic and Business
WAITE, RICHARD D., Research Associate in Illinois State Library Research
Center — resignation effective September 1, 1963.
WANKA, FREDRICH, Research Associate in Botany — resignation effective August
WHITE, ROBERT A., Instructor in Mechanical Engineering — resignation effective
September 1, 1963.
LEAVES OF ABSENCE

BAIRD, JACK R., Research Associate in Electrical Engineering, in the Engineering Experiment Station—leave of absence, without pay, from July 15 through August 31, 1963, so that he may do work at the University of Colorado.

BROWN, RICHARD M., Research Professor in the Coordinated Science Laboratory, and of Electrical Engineering and of Physics—leave of absence, without pay, from July 8 through August 17, 1963, so that he may attend a summer study at Massachusetts Institute of Technology sponsored by the Navy.

CALAHAN, DONALD A., Assistant Professor of Electrical Engineering, in the College of Engineering and in the Engineering Experiment Station—leave of absence, without pay, for one year from September 1, 1963, so that he may accept the position of Visiting Assistant Professor of Electrical Engineering at the University of California at Berkeley.

DAVIS, NUEL P., Assistant Professor of English—leave of absence, without pay, for the first semester of the academic year 1963-64, so that he may work on a manuscript of his research on the scientists Lawrence, Fermi, and Oppenheimer.

FINK, CHARLES M., County Extension Staff Member in Henry County, Illinois—leave of absence, with full pay, for six months from February 1, 1964, for the purpose of study.

GOLEMBIEWSKI, ROBERT, Assistant Professor of Management—leave of absence, for the academic year 1963-64, with pay of $2,550 from the Lilly Endowment, Inc., Freedom Study Fund, for the first semester, and leave without pay for the second semester so that he may serve as a Visiting Lecturer in the Department of Industrial Administration at Yale University.

JACKSON, DAVID M., Professor of Educational Administration and Supervision, and Principal of University High School—leave of absence for nine months from September 15, 1963, through June 15, 1964, on 1/2 pay, changed to leave of absence without pay from September 16, 1963, through January 31, 1964, and leave with full pay from February 1 through June 15, 1964.

KARSH, BERNARD, Associate Professor of Sociology and in the Institute of Labor and Industrial Relations—leave of absence, without pay, for one year from September 1, 1963, previously granted him, is hereby cancelled.

LILJEQUIST, JON L., Instructor in Mechanical Engineering, in the Chicago Undergraduate Division—leave of absence, without pay, for one year from September 1, 1963, so that he may complete studies for an advanced degree.

MANWELL, CLYDE, Associate Professor of Physiology—leave of absence, without pay, for two years from September 1, 1963, previously granted him, is hereby cancelled.

MCMAHON, WALTER W., Associate Professor of Economics—sabbatical leave of absence for the academic year 1963-64, on one-half pay, has been reinstated.

OPPENLANDER, (MISS)RENATE, Research Assistant in Electrical Engineering, in the Engineering Experiment Station—leave of absence, without pay, from August 18 through 31, 1963, so that she may travel abroad.

PERLMUTTER, MRS. SHIRLEY, Instructor in Occupational Therapy, in the College of Medicine—leave of absence, without pay, to begin July 27 and continuing through August 31, 1963. This supersedes her previous leave of absence beginning on June 24, 1963.

SAH, CHIH TANG, Professor of Electrical Engineering and of Physics, in the College of Engineering and in the Engineering Experiment Station—extension of leave of absence, without pay, from September 1, 1963, through January 31, 1964, so that he may continue his work at the Fairchild Semiconductor Research and Development Laboratory.

SMOOT, RONALD L., Instructor in Mechanical Engineering, in the College of Engineering—additional extension of leave of absence, without pay, beginning September 1 and continuing through November 30, 1963, so that he may continue his graduate studies under the National Science Foundation Faculty Fellowship.
CANCELLATIONS OF SABBATICAL LEAVES OF ABSENCE

ALPERT, DANIEL, Research Professor of Physics and Director of the Coordinated Science Laboratory — sabbatical leave of absence for six months from February 15, 1964, is cancelled, without prejudice.

MCINTYRE, CHARLES J., Coordinator of Instructional Television and Associate Professor of Education — sabbatical leave of absence for six months from January 1, 1964, is cancelled, without prejudice.

OSGOOD, CHARLES E., Research Professor of Communications Research, Director of the Institute of Communications Research, and Professor of Psychology — sabbatical leave of absence for the first semester of 1963-64 is cancelled, without prejudice.

RETIREMENTS

LUNDMAN, A. TREES, Assistant Professor of Verbal Communication, in the Division of General Studies — retirement effective September 1, 1963.

AUGUST DEGREES CONFERRED

The Secretary presented for record the following list of degrees conferred at Urbana, Illinois, as of August 12, 1963, on recommendation of the Urbana-Champaign Senate.

Summary

Degrees in the Graduate College, conferred at Urbana:
- Master of Arts ........................................ 97
- Master of Science ..................................... 275
- Master of Music ........................................ 9
- Master of Education .................................... 238
- Master of Social Work .................................. 4
- Master of Fine Arts .................................... 3
- Master of Accounting Science .......................... 8
- Master of Architecture .................................. 8
- Master of Commerce ..................................... 1
- Master of Business Administration .................... 1
- Master of Comparative Law .............................. 1
- Master of Extension Education .......................... 2
- Advanced Certificate in Education ...................... 26
- Certificate of Advanced Study in Librarianship ........ 1

Total, Graduate College ................................ (674)

Degrees in Law, conferred at Urbana:
- Bachelor of Laws ........................................ 14

Baccalaureate Degrees, conferred at Urbana:
- Bachelor of Science, College of Agriculture ............ 19
- Bachelor of Science, College of Engineering ............. 87
- Bachelor of Arts, College of Liberal Arts and Sciences .. 59
- Bachelor of Science, College of Liberal Arts and Sciences 48
- Bachelor of Science, College of Education ................ 32
- Bachelor of Science, College of Commerce and Business Administration .. 56
- Bachelor of Science, College of Journalism and Communications ...... 7
- Bachelor of Architecture, College of Fine and Applied Arts .... 8
- Bachelor of Fine Arts, College of Fine and Applied Arts .... 9
- Bachelor of Music, College of Fine and Applied Arts ....... 3
- Bachelor of Science, College of Fine and Applied Arts .... 3
- Bachelor of Science, College of Physical Education ........ 4

Total, Baccalaureate Degrees ................................ (335)

Total, Degrees Conferred at Urbana ....................... 1,023

GRADUATE COLLEGE

Degree of Master of Arts

In Art Education

KAY JANE VOZENILEK, B.F.A., University of Illinois, 1962
In Art History
JERRY WILLIAM McROBERTS, A.B., Iowa State Teachers College, 1956

In Economics
THOMAS PATRICK CALLANAN, A.B., Fordham University, 1962
JOHN WALTER DORFMESTER, B.S., 1962
DENNIS HAROLD ERICKSON, A.B., North Park College, 1962
GEORGE LOWELL HILL, A.B., 1962
ZEINHOM MAHMOUD MOHAMED KABIS, B.Com., Cairo University, 1960
PETER HAROLD NIEHOFF, A.B., Lawrence College, 1962
JAMES FREDRICK NISS, B.S., 1955
JAMES ARTHUR PHILLIPS, A.B., University of California (Santa Barbara), 1962
ROBERT ALLAN PISKIE, B.S., 1961
THEODORE EMMANUEL QUAST, JR., A.B., University of North Carolina, 1961
ROGER ANDREW SEDJO, A.B., 1961
THOMAS HENRY TUCHISCHERER, B.S., 1962
RICHARD DALE WINKELMAN, A.B., Southern Illinois University, 1961

In Education
MARGHERITE ELAINE MCCLELLAN QUICK, B.S., Central Connecticut State College, 1961

In English
MARTHA REGINA BELL, A.B., Emory University, 1962
DAVID OTTO BERGER, B.S., Concordia Teachers College, 1962
MARY CATHERINE BURFEE, A.B., DePauw University, 1962
MICHAEL DOUGLAS BUTLER, A.B., Stanford University, 1962
CLAARA JEAN LUEKER CARMEAN, A.B., 1960
JOHN ROBERT GREGG, Jr., A.B., Hanover College, 1962
MARTHA DUKE HARTMAN, A.B., Pan American College, 1959
CANDACE STEPHENSON HELGESON, B.S., Wisconsin State College (La Crosse), 1943
PETER EDWARD MARTIN, A.B., Principia College, 1962
PEGGY CURREY MEERSHE, A.B., Doane College, 1961
ALMA LOUISE MIDDLETON, A.B., 1961
HELEN BERTHA NIEDERWIMMER, A.B., Wartburg College, 1957
KENNETH JOSEPH OBEREMBT, A.B., St. John's University, 1962
MAJOR DAN RAGAIN, A.B., Eastern Illinois University, 1962
PATRICIA GAIL RAYMOND, A.B., Northern Illinois University, 1961
LOUIS ANTHONY RENZA, A.B., Trinity College, 1962
PATRICIA ANNE RIEGER, A.B., 1953
JOAN ANTOINETTE ARCIERI TREZEEK, A.B., Marquette University, 1962
KATHERINE BACHE TROWER, A.B., University of California (Berkeley), 1956
JOHN JEROME VON KERENS, B.S., Western Illinois University, 1958
MARY ANN ZACK, A.B., Marquette University, 1962

In French
ANNABEL VOGT ALLEN, A.B., 1962
DAVEY LEE DUNN, A.B., Illinois College, 1956
CARL HERBERT JOHNSON, A.B., Marietta College, 1962
Rene EH-Hsin CHIN LO, A.B., College Misericordia, 1962
ROBERT GLENN ROBERTSON, A.B., University of North Carolina, 1961
GAIL FRANCINE TROYKA, A.B., DePauw University, 1962

In Geography
FRANK JOSEPH JANKUNIS, A.B., University of Georgia, 1962

In German
DOROTHY EDITH TERNES, A.B., Eastern Michigan University, 1960
OTTO WALTER TETZLAFF, A.B., Northern Illinois University, 1962

In History
DANIEL WILLIAM BARTHELL, A.B., University of Notre Dame, 1960
KAREN FRISCILLA BLATT, B.S., Northern Illinois University, 1959
GEORGE HARRY DEMETRAKOPOULOS, A.B., Michigan State University, 1962
David Blessman Hill, A.B., DePauw University, 1960
Kenneth Glenn Madison, A.B., 1962
James Benedict Martin, A.B., DeMazenod Scholasticate, 1943

In Labor and Industrial Relations
Jacob Michael Eisner, A.B., Adelbert College, 1962
Edward H. Ghearing, A.B., Hanover College, 1958
William Kimball Graham, A.B., Willamette University, 1961
Toshio Nagashima, B.Econ., University of Tokyo, 1955
Gary Gay Petersen, A.B., University of California (Los Angeles), 1961
Rodney Mayer Sweet, B.S., University of Wisconsin, 1962
William Frederick Weitzel, Jr., A.B., Wheaton College, 1961

In Latin
Roger Lyne Beck, A.B., Oxford University, 1961
Wilhelm Dominikus Eck, A.B., 1962

In Mathematics
Merline Devine McCloud, B.S., Fort Valley State College, 1954
Martha Schuhmann, A.B., Oberlin College, 1962

In Philosophy
Lewis Morton Collins, B.S., 1960

In Political Science
Judith Elaine Alver, A.B., 1962
Raymond Stewart Dodds, B.Econ., University of Sydney, 1948

In Psychology
Doyle Weldon Bishop, A.B., University of Colorado, 1961
Homer Herbert Johnson, A.B., Knox College, 1957; M.S., University of Wisconsin, 1959
Michael Elbert Ogie, A.B., William Jewell College, 1961
Richard Hans Schultze, A.B., Michigan State University, 1960
Lawrence Francis Van Egeren, B.S., St. Norbert College, 1960

In Spanish
Cynthia Jane Burns, A.B., University of Tennessee, 1962
Gloria Cede-Echevarria, A.B., University of Puerto Rico, 1950
Timothy Joseph Rogers, A.B., University of New Hampshire, 1959

In Speech
Ella Adelaide Doyle, B.S., Memphis State University, 1962
Paul George Elbrecht, A.B., Texas Technological College, 1958
Gloria Joan Fisher, A.B., MacMurray College, 1962
Doris Green Giles, A.B., MacMurray College, 1946
Robert Charles Hawkes, B.S., Springfield College, 1947
Stephen Arnold Kaye, A.B., University of Washington, 1961
Walter Francis Kelly, A.B., University of Miami, 1962
Thomas Warren Lackman, A.B., University of Delaware, 1962
Lionel Houston Lawrence, A.B.(Hon.), Queen's University, 1962
Diane Elizabeth LeLito, B.S., Northern Illinois University, 1962
Brenda Joanne Robinson, A.B., University of the Pacific, 1962
Richard Wesley Thiede, B.S., Eastern Michigan College, 1961
Guy William Thompson, B.S., Eastern Illinois University, 1959
J. Robert Wills, Jr., A.B., College of Wooster, 1962

In Statistics

In the Teaching of English
Barbara Ann Brown, A.B., 1962
Naomi Ruth Claassen, A.B., Wheaton College, 1958
MELINDA ROBERTA DOMAN, B.S., Loyola University, 1962
JESSE BLACK SOMMER, JR., B.S., 1958

In the Teaching of Social Studies
RAYMOND BRADFORD, JR., A.B., Evansville College, 1957
GARY ARTHUR DWORAK, A.B., 1962
PATRICIA HARNEY SMOOT, B.S., 1962

In the Teaching of Spanish
CAROL LEE HEIM, B.S., 1961

Degree of Master of Science

In Accountancy
SHAWK EL-HUSSEINI MOHAMED MASSoud FARAG, B.Com., Ain Shams University, 1960
FAYEZ SALIM NOURALLAH, B.Com., Cairo University, 1959

In Agricultural Economics
KENNETH LEE BECKER, B.S., 1961
SUDAMA SWARUP GOUR, B.S., Nagpur University, 1954; M.S., Agra University, 1956
GORDON LEWIS GULLAKSON, B.S., 1962
RAMA SHANKER MISRA, B.S., Agra University, 1949; Assoc., Indian Agricultural Research Institute, 1957
AKKIPEDDU VENKATA KUTUMBA SASTRI, A.B., A.M., University of Madras, 1951, 1954; Diploma, Indian Council of Agricultural Research, 1957

In Agricultural Education
ROBERT ED COOTS, B.S., 1959
JOHN HENRY FEDDERSEX, B.S., 1958
CECIL LAFAYETTE STRICKLAND, B.S., Prairie View Agricultural and Mechanical College, 1960

In Agricultural Engineering
LARRY WILSON COFER, B.S., University of Arkansas, 1961
MANUBHAIPRAJITNAIK, B.Tech., Indian Institute of Technology, 1961

In Agronomy
ROGER CARL FITES, B.S.A., Purdue University, 1961
RICHARD ROSS SMITH, B.S., 1962

In Animal Science
JAMES LEE COX, B.S.A., Purdue University, 1961
BENNIE BERT DOANE, B.S., Oklahoma State University, 1950

In Architectural Engineering
RONALD NELSON HELMS, B.Arch., 1963
JAMES GEORGE HRouda, B.Arch., 1961
FRANK LACKA, JR., B.Arch., University of Toronto, 1961
JAY MICHAEL LEAVITT, B.Arch., 1962
RONALD KENT SAWYER, B.Arch., 1962
WILBUR ELMER YODEE, B.S., Rhode Island School of Design, 1962

In Biological Sciences
ALFRED THOMAS JOHNSON, A.B., Northwestern University, 1957
SAMUEL LERNER, B.S., 1962

In Biophysics
STEPHEN ARTHUR HAWLEY, A.B., Knox College, 1961

In Botany
EUGENE RICHARD MODJESKI, B.S., 1962

In Chemical Engineering
ROBERT EDWARD PLEVAN, B.Ch.E., Rensselaer Polytechnic Institute, 1961
In Chemistry

Edward Ashley Anderson, B.S., Queens College (New York), 1959
Charles Frederick Hosler, Jr., B.S., University of Michigan, 1961
David Oliver Hurst, B.S., Wheaton College, 1962
Christiane Janie Kline, B.S., University of Delaware, 1962

In City Planning

John Addison Fondersmith, A.B., University of Maryland, 1961
Alan Charles Richter, B.S., University of Missouri, 1961
Roger Lee Sudleeson, B.Arch., Kent State University, 1961

In Civil Engineering

Lance Boichot, B.S., University of Miami, 1961
Eugene Munson Brisach, B.S., United States Military Academy, 1960
Mel Castillo, B.S., University of New Mexico, 1958
Cesar Augusto Correjiter, B.S., University of Puerto Rico, 1962
Frank Enrique De Greiff, C.E., National University of Columbia, 1962
Jayantkumar Paragji Desai, B.Eng., Maharaja Sayajirao University of Baroda, 1962
Beherooz Farshi, B.S., American University of Beirut, 1962
Paul Stevenson Ford, A.B., Monmouth College, 1961
On-Yin Fung, B.Eng., McGill University, 1959
David Frederick Gingerich, B.S., Kansas State University, 1962
Jose Guemez-Garcia, C.E., National University of Mexico, 1962
Jack Hardin, B.S., 1962
Jacobo Merenfeld Dulberg, C.E., Central University of Venezuela, 1960
William Ray Miller, B.S., United States Military Academy, 1958
Kristian Nyhus, B.S., University of Alberta, 1956
Donald Joseph Palladino, B.S., United States Military Academy, 1958
James Wyatt Peck, B.S., United States Military Academy, 1958
James Joseph Powers, B.S., 1959
Allen Nathan Reeves, B.S., Washington University, 1962
Giri Rao Royachoti, B.Eng., University of Madras, 1951
James Ronald Salley, B.S., 1962
Prayaga Subrahmanya Sarma, A.B., Andhra University, 1956; B.Sc., Ranchi University, 1961
Suresh Dayarhai Shroff, B.S., 1962
James Lee Smith, B.S., 1961
Virgilio EDMundo Vivas Melean, B.S., Oklahoma State University, 1957
Phiroze Khushroo Wadia, B.Eng., University of Bombay, 1961

In Commercial Teaching

Linda Selders Alderson, B.S., 1954
Barbara Lee Allen, B.S., Illinois State Normal University, 1958
Robbie Lee Redmond, B.S., Alcorn Agricultural and Mechanical College, 1954

In Economics

John Oscar Bornhofen, B.S., 1961
Darrell Albert Christie, B.S., Jamestown College, 1962
Virginia Lee Smith Owen, B.S., Illinois State Normal University, 1962
Johann Hanns Pichler, Doctor, Graduate School of Business Administration and Economics (Vienna), 1960
Stanley Vanagunas, B.S., 1962

In Education

Esther Diane Hirsch, B.S., 1960
Peggy Rae Sutton, A.B., Purdue University, 1962

In the Education of Mentally Handicapped Children

Mary Yvonne Griffin, B.S., 1959
William Scott Jenks, B.S., Northern Illinois University, 1957
In Electrical Engineering

JOHN TEVEIR BARROWS, B.S., Brown University, 1961
ROGER SOL DIN BREDEK, B.S., 1962
ROMEO TANANAG CALUZ, B.S., University of the Philippines, 1955
ROBERT SPENCER CARTER, B.E.E., University of Delaware, 1962
DAVID LAWRENCE DIBELL, B.S., Grove City College, 1962
HERNANDO DURAN CASTRO, B.S., 1961
LEONARD FORBES, B.S., University of Alberta, 1962
CHARLES CALVON HIGHSWIT, B.S., 1955
JOHN WESLEY HILL, B.S., 1961
CHARLES ROBERT KIME, B.S., State University of Iowa, 1962
LOYD GEORGE KNOWLES, B.S., Pennsylvania State University, 1961
FRANK DIETER KOT, B.S., 1962
JOHN EDWIN LEWIS, B.S., Grove City College, 1962
MAROLD HERMAN LOOHRENZ, B.S., 1959
SHIGENORI MATSUSHITA, B.S., University of Tokyo, 1959
ROBERT JOHN MCAULAY, BSc., University of Toronto, 1962
WILLIAM WISE PATTERSON, B.S.E., Princeton University, 1962
LUZERN ARTHUR RICHTER, B.M.E., General Motors Institute, 1962
KENNETH SWANE SCHRODER, B.S., 1962
ERWIN EDWARD SCHULZE, Jr., B.S., 1962
NORMAN HARKEY SMITH, B.S., 1950
RUDOLPH FRANCIS TROST, B.S., St. Louis University, 1962
RONALD WILLIAM UNNERSTALL, B.S., Washington University, 1959

In Finance

JOHN WILLIAM ALLEN, B.S., 1958
ROBERT LEWIS CONDON, B.S., 1959

In Forestry

JEROLD THOMAS HAHN, B.S., 1962

In Geology

PAULO MIRANDA DE FIGUEIREDO FILHO, Diploma, Universidade de Rio Grande do Sul, 1960
STANLEY HAROLD FROST, B.S., Northern Illinois University, 1961
ALAN GRANGER GOODFIELD, A.B., Ohio Wesleyan University, 1961
KATHRYN GRONBERG O'BRIEN, B.S., 1958

In Health Education

CARLTON MERWIN FANCHER, B.S., State University of New York College of Education (Cortland), 1962
DAVID WALTER LEHMANN, A.B., Ripon College, 1962
MADELINE DASCH SKINNER, A.B., Hunter College of the City of New York, 1962

In Home Economics

JANE LOUISE BONANDER, B.S., Carthage College, 1961
JANIS KAY FINLEY, B.S., 1959
GERTRUDE GUSTAFSON GOMBEL, B.S., Pennsylvania State University, 1949
MARGUERITE ILLA, B.S., University of Minnesota, 1954
SHARON KAY RANDEL, B.S., Kansas State University, 1962
SISTER MARIANNE BROCK, A.B., St. Francis College, 1956
LOIS FERN THOMPSON, B.S., Western Illinois University, 1961

In Horticulture

BALWANT SINGH, B.Sc., M.S., Agra University, 1952, 1953

In Journalism

CLAUDE FRANCIS BACHAND, A.B., Louisiana Polytechnic Institute, 1962
RICHARD BENNETT BAYLEY, B.S., 1961
ROGER LANGHAM BROWN, A.B., University of Cambridge, 1960
ARLENE ANN BRUEGEMAN, A.B., Fresno State College, 1961
ROLLIE FARLEY HENKES, B.S., Iowa State University, 1958
MICHAEL BERT SHELLY, B.S., Illinois State Normal University, 1962
In Library Science
LOLA ALLENE BANE, B.Ed., Illinois State Normal University, 1938; A.M., 1939
MARGARET AMEND BRADLOW, B.S., State University of Iowa, 1954
SALLY THOMPSON BURG, A.B., A.B.(L.S.), University of Michigan, 1937, 1938
JOHN KERNS BURRITT, A.B., Wartburg College, 1949
ELIZABETH ANNE CARLSON, B.S., University of Wyoming, 1961
IRMA MARGARET FALCK, B.S., University of South Dakota, 1933
MOHSEN MOSTAFA FARID, A.B., Cairo University, 1958
BETTY TORA FELDMAN, A.B., Washington University, 1961
DAVID NEIL FORSYTHE, A.B., Muskingum College, 1962
RUTH CAROL GULLINER, A.B., State University of Iowa, 1961
EDWARD FREDERICK HESS, Jr., B.S., Northwestern University, 1941; LL.B., 1947
ILLAH DEANNA HJORP, B.S., University of Wisconsin (Milwaukee), 1960
WILLIS McCracken HUBBARD, A.B., Monmouth College, 1962
HUI-FANG WU HUNG, B.Ed., Taiwan Normal University, 1960
MARCIA MARKS JETTON, A.B., 1958
THOMAS LEONARD KILPATRICK, B.S., Southern Illinois University, 1959
HYUN KEE KIM, A.B., A.M., Ewha Women's University, 1959, 1961
REGINA SUN KOO, A.B., National Taiwan University, 1959
EILEEN WEI-LEE LAI, A.B., National Taiwan University, 1958
RITA ELLEN LINDEMANN, A.B., 1962
CAROL FRANCES LUKE, B.S., St. Louis University, 1961
HELEN PULLEY MCREYNOLDS, B.Ed., Southern Illinois University, 1942
JAMES JOSEPH MICHAEL, A.B., University of Wisconsin, 1961
JOHN LESLIE RICHARDS, B.S., 1958
PATRICIA HELEN RINGER, A.B., Kansas State Teachers College (Emporia), 1960
HARRY PAUL SCHRANK, Jr., B.S.C., Ohio University, 1949
BOBBIE DAVIS SMITH, A.B., Eureka College, 1955
MARY SCHWEIKERT SPELLMAN, A.B., 1961
CATHERINE YUH-CHING WANG, A.B., National Taiwan University, 1961
PAMELA SCAMMAN WARREN, A.B., Nebraska Wesleyan University, 1962
JOHN MARVIN WELLER, A.B., Knox College, 1962
SHARON FARMER WILLIS, B.S., Southern Illinois University, 1960
ETHEL BANKS WILLOUGHBY, B.S., Tuskegee Institute, 1940
LUCY JEAN WRIGHT WILSON, A.B., Middlebury College, 1960
KYUNG HI YU, B.S., Central Missouri State College, 1960
HELEN ZACHMAN, A.B., Geneva College, 1947; B.S., Syracuse University, 1948

In Management
WILLIAM ERNEST MICHENER, Jr., B.S., University of Kansas, 1954

In Marketing
RICHARD PAUL EVANS, B.S., 1957

In Mathematics
MARCI A MAY ARMSTRONG, A.B., Sweet Briar College, 1962
DAVID ERVIN BLAIR, B.S., Beloit College, 1962
ROBERT EARL GAINES, B.S., 1963
RICHARD SAMUEL HALL, A.B., Albion College, 1962
RODNEY LEE HAMBURG, B.S., 1960
KUK-MI KIM PAC, B.S., Rikkyo University, 1953
WILLIAM WEITZMAN, B.S., 1961
BETTY JONES WHITTEN, B.S., 1962

In Mechanical Engineering
GAL E YANCKE ANDERSON, B.S., Brigham Young University, 1959
DONALD LEONARD BARTEL, B.S., 1961
ALEXANDER JOHNSTON III, B.S., United States Military Academy, 1958
MILTON ALFRED KRUSE, Jr., B.S., University of Miami, 1962
SUSHIL KUMAR MALIK, B.Tech., Indian Institute of Technology, 1962
HAN CHUAN MOY, B.S.(C.E.), B.S.(M.E.), University of Wisconsin, 1959, 1961
PETER ALLEN PERKINS, B.S., Bradley University, 1963
VEMULA PANDU RANGA RAO, B.Eng., Andhra University, 1961
Czeslaw Mateusz Rokiebiewicz, Diploma, Polish University, 1950
WALTER RONALD RYDER, B.S., 1961
KYIN SOE, B.S., 1962
RONALD JAMES VODICKA, B.S., Northwestern University, 1956

In Metallurgical Engineering

HOWARD BERTON AARON, B.Met.E., Cornell University, 1962
DINES ISTVAN BARDO, B.S., 1962
EMMANUEL de LAMOTTE, Eng. Physicist, State University of Liege, 1962

In Mining Engineering

RODDA RAGHUNADHA REDDY, B.S., Benaras Hindu University, 1956

In Music Education

CHARLES STEPHEN ALLFREE, B.S., 1957
WAYNE HAROLD BRADTFKE, B.S., 1960
KRISTAN EVERETT CRANE, B.Mus.Ed., Murray State College, 1959
WARREN WILLIAM FRANK, B.S., Eastern Montana College of Education, 1961
JACK PAUL HANSON, B.S., 1960
BRUCE DUDLEY HOAGLAND, B.S., Indiana State Teachers College, 1959
JOHN DAVID LOWERY, B.S., East Carolina College, 1959
MYRON DONALD McLAIN, Jr., B.S., 1957
WARREN SCOTT MELAND, B.S., 1962
HOWARD MORTON MILLER, B.S., Temple University, 1962
DORCAS ANN NEWTON, B.S., 1962
WILLIAM DEAN OYEN, B.S., 1958
RICHARD WENDELL PERRY, B.Mus.Ed., Murray State College, 1959
SUSAN BOGNE PERRY, B.Mus.Ed., Murray State College, 1959
DOUGLAS WILLIAM REEVE, B.Mus., Oberlin College, 1961
JEAN ROWSE, A.B., Lake Forest College, 1962
MADELINE SARAH SAUERBIER, B.S., Illinois State Normal University, 1960
JUDY MAY SCHNELL, B.Mus.Ed., Illinois Wesleyan University, 1962
SISTER MARY LAURELLE BERKES, A.B., B.Mus., College of St. Francis, 1937, 1957
CHELSEA TIPTON, B.S., Virginia State College, 1955
EDWARD WILLIAM VOLZ, B.Mus.Ed., Northwestern University, 1955
EUGENE LEON YINGLING, B.S., 1959

In Nuclear Engineering

MIRZA AZFAR BEG, B.S., B.Eng., Aligarh Muslim University, 1955, 1959
ARTHUR WALLACE DEYO, A.B., Taylor University, 1962
PRATAP KILACHAND DOSHI, B.S., University of Rangoon, 1961
HAROLD ALBERT KURSTEDT, Jr., B.S., Virginia Military Institute, 1961
NORMAN CLARK PATE, B.S., 1961
ALBERTO RODRIGUEZ MARCIALES, Eng., Central University of Venezuela, 1959

In Physical Education

MARSHALL DOUGLAS BANKS, A.B., Morehead State College, 1962
LESTER JAY BROD, B.S., 1962
HOWARD ARTHUR BURNS, B.S., University of Massachusetts, 1957
MARY LOUISE CAPORAL, B.S., Western Michigan University, 1959
ANTHONY RICHARD CIGLIO, B.S., Rutgers University, 1952
SONDRA JO CURRY, B.S., Indiana State Teachers College, 1958
ALFREDA FARINA, B.S., Boston University, 1960
JERRY WAYNE GOECKELEN, B.S., Valparaiso University, 1962
SANDBA JOAN HAGBERG, B.S., Wisconsin State College (La Crosse), 1959
DOUGLAS ALLAN HODGE, B.S., University of Idaho, 1962
EDITH JOHNSON, B.S., Southern University, 1951
JOHN EDGAR LAMBERT, B.S., 1962
RICHARD FREDERICK MACPHERSON, B.S., Springfield College, 1958
SUSAN CAROL NAYLOR, B.S., University of Kansas, 1962
JEAN HELEN PEKARA, B.S., Brooklyn College, 1962
BARRY ELROY STERN, B.S., Springfield College, 1962
GEORGE ALEXANDER TERRIL, B.S., 1960
LAWRENCE WARSHAWSKY, B.S., Springfield College, 1958
RONALD GEORGE WIGGITT, A.B., Rhodes University, 1951; B.Ed., University of Stellenbosch, 1961
JOANNE WILSON, B.P.E., University of British Columbia, 1962

In Physics
STEPHEN TAYLOR FALK, B.S., Yale University, 1962
RALPH STEPHEN KROES, A.B., Maryknoll College, 1953; B.S., Stanford University, 1962
JAMES STAVERT LOOS, B.S., University of North Dakota, 1962
DAVID WAYNE MANTIK, B.S., University of Wisconsin, 1962
DAVID LESLIE WRIGHT, B.S., Wheaton College, 1962

In Recreation
RICHARD S. ALLEBACH, Jr., B.S., Ursinus College, 1962
MARVIN DEAN HEFFINGTON, B.S., 1960
MICHAEL EDWARD HOWARD, A.B., San Jose State College, 1962
EUGENE MAXWELL KIRBY II, B.S., 1962
JOEL AARON LERNER, B.S., University of Massachusetts, 1962
MARTHA JANE LOOMIS, A.B., Michigan State University, 1957; awarded posthumously
JOAN MARIE MAYER, B.S., State University of New York College of Education (Cortland), 1960
ELIZABETH ANN MILLER, B.S., George Williams College, 1948
MARTHA LEE PETERS, B.S., Ohio State University, 1941
LEONARD GLENN ROBERTS, A.B., San Jose State College, 1958
JUDITH CLARK SOLOMON, A.B., Boston University, 1962

In Sanitary Engineering
EDWARD LEE THACKSTON, B.Eng., Vanderbilt University, 1961

In the Teaching of Biological Sciences and General Science
MARLENA KAY BALDRIDGE, B.S., 1962
PATRICIA MASAYE NAKAYAMA, B.S., 1962
AUGUSTINE IKECHUKWU ORONKWO, B.S., Kansas State Teachers College, 1960; A.B., William Jewell College, 1961; M.S., Kansas State Teachers College, 1961
ELAINE GERALDINE ROSEN, B.S., 1959
ELIZABETH ANNE STOLTZ, A.B., Greenville College, 1962
DOROTHY MAE PIERRE THOMPSON, B.S., Grambling College, 1957

In the Teaching of Chemistry
PAUL SHEA COHEN, A.B., Brooklyn College, 1960

In the Teaching of Mathematics
CONSTANCE LEONA FULKERSON, A.B., Beloit College, 1931
ARTHUR WILLIAM HAMMAR, B.S., 1961
KARL CORNELL KELLEY, B.S., 1962
ADRIENNE MARIE MADURA, B.Ed., Chicago Teachers College, 1961
GLENN ROBERT MAHLER, A.B., Montclair State College, 1962
SISTER MARY VENARD MCCOPPIN, A.B., DePaul University, 1956
GLORIA JO SNOPKO, B.S., Elmhurst College, 1961

In Theoretical and Applied Mechanics
JOHN JOSEPH HEALEY, B.C.E., Manhattan College, 1962
WESLEY ERNEST HOSKEN, B.S., 1962
KIM OBELL STEIN, B.S., 1962
KARL KENT STEVENS, B.S., Kansas State University, 1961
In Veterinary Medical Science

Amos Powers Wilson, D.V.M., Kansas State University, 1943

In Zoology

David Bruce Crandall, A.B., Greenville College, 1961
Stanley Lee Etter, B.S., 1961
Edward Owen Moll, B.S., 1961
Jerome John Paulin, B.Ed., Wisconsin State College (Whitewater), 1962
James William Waddick, B.S., 1962

Degree of Master of Music

Ada Michelman Bliesener, B.Mus., B.Mus., American Conservatory of Music, 1931, 1933
Edward George Brewer, B.Mus., A.B., Oberlin College, 1960, 1960
Robert Harold Brown, B.Mus., Oberlin College, 1959; M.S., 1960
Barbara Elaine Goldman Cogan, B.Mus., 1961
James Elliot Dapogny, B.Mus., 1962
Mary Ann Hoffmann, B.S., State University of New York College of Education (Potsdam), 1954
Marilyn Ruth Dare Switzer, B.Mus., Oberlin College, 1961
Grace Nannette Wieck, B.Mus., University of Louisville, 1961
Michael William Zenge, B.Mus., Oberlin College, 1962

Degree of Master of Education

Jewell Marie Wise Adams, B.S., Quincy College, 1949
Frederick Joseph Adelman, A.B., San Diego State College, 1956
Margaret Estella Ahland, B.S., Culver-Stockton College, 1954
Walter LeRoy Aldrich, A.B., Shurtleff College, 1957
John Harry Alexander, B.S., 1958
Edward Lee Allen, A.B., 1962
Robert Bradford Anthony, B.S., 1960
Helen Jean Arts, B.S., Tougaloo College, 1958
Maxine Lee Ayres, B.S., 1960
Kenneth Arthur Baker, B.S., Eastern Illinois University, 1958
Mary June Barker, B.S., Southern Illinois University, 1958
Norma Haldene Bean, B.S., 1955
Kenneth O. Bell, B.S., Western Illinois University, 1957
Orel Lindsay Bell, B.S., Southwest Missouri State College, 1949
Freda Stafford Bender, B.S., Ohio State University, 1936
Mary Ann Allison Bergschneider, B.S., Northwest Missouri State College, 1957
Robert Angelo Best, B.S., Southern Illinois University, 1948
Kenneth Reginald Biba, B.S., 1960
Patricia Musick Binzer, A.B., Quincy College, 1951
James Joseph Blaha, B.S., Illinois State Normal University, 1960
Betty Louise Bloomfield, B.S., Western Illinois University, 1958
Dorothea Lomax Long Blue, B.S., 1961
Joanne Marie Boehm, A.B., Mundelein College, 1955
Ivan Nye Booher, B.S., 1954
Robert Thomas Bordenave, B.S., Western Illinois University, 1951
William MacGregor Bridgeland, B.S., 1960
Gary Wayne Brown, B.S., 1962
Herman Eugene Brown, A.B., Stowe Teachers College, 1951
Warren Pierce Brown, A.B., Lake Forest College, 1958
Jerry Thomas Brownfield, B.S., Eureka College, 1955
Judith Peterson Burd, B.S., Illinois State Normal University, 1961
Sybil Sue Burgin, B.S., 1961
Betty Jane Burns, A.B., Michigan State College, 1942
Stanley Herbert Campbell, B.S., Lincoln University, 1956
Adelbert Forest Carpenter, A.B., 1960
Earl Howard Carr, B.S., Southwest Missouri State College, 1957
George Lewis Carson, B.S., Muskingum College, 1953
Robert John Cassidy, B.S., 1959
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diana Kay Chiles</td>
<td>B.S.</td>
<td>Northern Illinois University</td>
<td>1960</td>
</tr>
<tr>
<td>Dorothy Dirks Clark</td>
<td>B.S.</td>
<td>Northern Illinois University</td>
<td>1959</td>
</tr>
<tr>
<td>Clarence Ray Colclasure</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1960</td>
</tr>
<tr>
<td>Harold Coleman</td>
<td>A.B.</td>
<td></td>
<td>1962</td>
</tr>
<tr>
<td>George Carley Connor, Jr.</td>
<td>A.B.</td>
<td>Antioch College</td>
<td>1961</td>
</tr>
<tr>
<td>Lonnie Gene Corbell</td>
<td>A.B.</td>
<td>Upper Iowa University</td>
<td>1959</td>
</tr>
<tr>
<td>Mary Josephine Corrigan</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1957</td>
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<tr>
<td>Betty Jane Coventry</td>
<td>B.S.</td>
<td>Eastern Illinois University</td>
<td>1953</td>
</tr>
<tr>
<td>Helen Louise Crawford</td>
<td>B.S.</td>
<td>Greenville College</td>
<td>1951</td>
</tr>
<tr>
<td>M. Elizabeth Crutchfield</td>
<td>B.S.</td>
<td>Murray State College</td>
<td>1942</td>
</tr>
<tr>
<td>Carolyn Turner Cubit</td>
<td>B.S.</td>
<td>Southern University</td>
<td>1956</td>
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<tr>
<td>Robert Ellis Cudney</td>
<td>B.S.</td>
<td>Quincy College</td>
<td>1957</td>
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<td>Dennis Alan Dahl</td>
<td>B.S.</td>
<td></td>
<td>1961</td>
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<td>Joan Anderson Davis</td>
<td>A.B.</td>
<td></td>
<td>1960</td>
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<tr>
<td>Lydia Komnick Davis</td>
<td>B.S.</td>
<td>Olivet Nazarene College</td>
<td>1959</td>
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<tr>
<td>James Clarence Descouvoeze</td>
<td>B.S.</td>
<td></td>
<td>1960</td>
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<td>Eugene Dale Dill</td>
<td>B.S.</td>
<td>Southern Illinois University</td>
<td>1960</td>
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<tr>
<td>Barbara Ann Douthit</td>
<td>B.S.</td>
<td></td>
<td>1961</td>
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<tr>
<td>Alice Mary Conover Edgar</td>
<td>B.S.</td>
<td>Eastern Illinois University</td>
<td>1958</td>
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<tr>
<td>Loryann Malvina Eis</td>
<td>A.B.</td>
<td>Augustana College</td>
<td>1960</td>
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<tr>
<td>Hollis Leroy Eyestone</td>
<td>B.S.</td>
<td></td>
<td>1954</td>
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<tr>
<td>Roland Falconer</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1949</td>
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<tr>
<td>Harry David Flumbaum</td>
<td>A.B.</td>
<td>Georgetown College</td>
<td>1960</td>
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<tr>
<td>Brendan John Flynn</td>
<td>B.S.</td>
<td>Western Illinois University</td>
<td>1955</td>
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<tr>
<td>Jane Murray Flynn</td>
<td>B.S.</td>
<td>Greenville College</td>
<td>1959</td>
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<tr>
<td>Rosamond Louise Lavel Flynn</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1953</td>
</tr>
<tr>
<td>Sylvia Wineland Frank</td>
<td>B.S.</td>
<td></td>
<td>1959</td>
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<tr>
<td>Billie Joe Fullerton</td>
<td>A.B.</td>
<td>David Lipscomb College</td>
<td>1955</td>
</tr>
<tr>
<td>Clinton Zenis Garbs</td>
<td>B.S.</td>
<td>Southern Illinois University</td>
<td>1950</td>
</tr>
<tr>
<td>Charleen Miller Garrison</td>
<td>A.B.</td>
<td>McKendree College</td>
<td>1959</td>
</tr>
<tr>
<td>Marjorie Joanne Gavin</td>
<td>B.S.</td>
<td>Bradley University</td>
<td>1962</td>
</tr>
<tr>
<td>Robert Irwyn Goodwin</td>
<td>B.S.</td>
<td></td>
<td>1960</td>
</tr>
<tr>
<td>Kenney Earl Gray</td>
<td>B.S.</td>
<td>Mississippi State University</td>
<td>1962</td>
</tr>
<tr>
<td>Von Hays Gregory</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1958</td>
</tr>
<tr>
<td>Gaynell Marie Grubb</td>
<td>B.S.</td>
<td></td>
<td>1962</td>
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<tr>
<td>Robert Calvin Gurley</td>
<td>B.S.</td>
<td>Southern Illinois University</td>
<td>1959</td>
</tr>
<tr>
<td>Louise Jeanne Hagen</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1950</td>
</tr>
<tr>
<td>Ernest Mark Hanson, Jr.</td>
<td>B.S.</td>
<td></td>
<td>1961</td>
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<tr>
<td>Donald Lloyd Harvey</td>
<td>B.S.</td>
<td>University of Colorado</td>
<td>1939</td>
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<td></td>
<td></td>
<td>California Institute of Technology</td>
<td>1941</td>
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<tr>
<td>James Temple Hashbarger</td>
<td>B.S.</td>
<td></td>
<td>1954</td>
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<tr>
<td>Glenn Warren Hayes</td>
<td>B.S.</td>
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<td>1961</td>
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<tr>
<td>Susie Elizabeth Hayes</td>
<td>B.S.</td>
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<tr>
<td>Ann Stanley Healey</td>
<td>A.B.</td>
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<td>1960</td>
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<tr>
<td>Leo Barron Hicks, Sr.</td>
<td>B.S.</td>
<td>Lincoln University</td>
<td>1956</td>
</tr>
<tr>
<td>Donald Ray Hish</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1960</td>
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<tr>
<td>Jack Hobbs, B.S.</td>
<td></td>
<td>Southwest Missouri State College</td>
<td>1957</td>
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<tr>
<td>Margaret Johnson Hodge</td>
<td>B.S.</td>
<td>University of Idaho</td>
<td>1962</td>
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<tr>
<td>Irelene Ammann Honesman</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1957</td>
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<tr>
<td>Patricia Lou Hooks</td>
<td>B.S.</td>
<td>Olivet Nazarene College</td>
<td>1957</td>
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<tr>
<td>Ralph Elwyn Hubbard</td>
<td>A.B.</td>
<td>Aurora College</td>
<td>1954</td>
</tr>
<tr>
<td>Lileen Ruppel Hunt</td>
<td>B.S.</td>
<td>University of Wisconsin</td>
<td>1959</td>
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<tr>
<td>Paul H. Hunt, B.S.</td>
<td></td>
<td>Millikin University</td>
<td>1958</td>
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<tr>
<td>Margaret Lucille Hustad</td>
<td>B.S.</td>
<td>Illinois State Normal University</td>
<td>1959</td>
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<tr>
<td>Helen Lusk Javoir</td>
<td>A.B.</td>
<td></td>
<td>1956</td>
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<tr>
<td>William Ryan Jenkins</td>
<td>A.B.</td>
<td>Knox College</td>
<td>1955</td>
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<tr>
<td>Roger Allen Jensen</td>
<td>A.B.</td>
<td>McKendree College</td>
<td>1958</td>
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<tr>
<td>Millie Busby Joda</td>
<td>B.S.</td>
<td></td>
<td>1955</td>
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<tr>
<td>Terry Glenn Johnson</td>
<td>B.S.</td>
<td>Southern Illinois University</td>
<td>1958</td>
</tr>
<tr>
<td>Neil Alfred Johnson</td>
<td>B.S.</td>
<td>Wisconsin State College (Oshkosh)</td>
<td>1956</td>
</tr>
<tr>
<td>Raymond Thomas Jones</td>
<td>A.B.</td>
<td>Shurtleff College</td>
<td>1952</td>
</tr>
<tr>
<td>Warren Eugene Jordan, Sr.</td>
<td>A.B.</td>
<td>Bob Jones University</td>
<td>1957</td>
</tr>
<tr>
<td>Paul Richard Keiser</td>
<td>B.S.</td>
<td>Northern Illinois University</td>
<td>1959</td>
</tr>
</tbody>
</table>
LORENE GEHLBACH KENDALL, B.S., 1960
DONALD EDWARD KENNEY, B.S., 1961
PATRICIA MARIE KIDWELL, B.S., Eastern Illinois University, 1958
ROBERT JOHN KOLENO, B.S., 1961
PHYLLIS TATSUKO KUBOTA, B.S., Northwestern University, 1962
GUY McDOWELL LAHR, JR., B.S., Shurtleff College, 1953
MARY RUTH DOUGLAS LAHR, A.B., McKendree College, 1953
RICHARD LAWRENCE LANGENFELD, B.S., 1958
DONALD FLOYD LARSON, B.S., 1957
NINA PHYLLIS LESTER, B.S., Lincoln University, 1954
ROBERT EUGENE LAWSON, B.S., 1960
ROBERT WESLEY LEACH, B.S., Illinois State Normal University, 1957
WINFORD CARL LEGATE, B.S., 1957
CHARLES ROBERT LEININGER, B.S., Western Illinois University, 1961
JACOB DAVID LIPSHIN, B.S., 1962
RAYMOND WAYNE LIVINGSTON, A.B., 1951
JEANETTE LEE LOHBAUER, B.S., 1961
BERNARD LONG, B.S., Illinois State Normal University, 1957
GARY D. LONNON, B.S., Millikin University, 1960
PAULINE THOMAS LUTZ, B.S., Purdue University, 1936
RONALD JON LUTZ, B.S., Western Illinois University, 1961
CHARLOTTE ELIZABETH LYON, B.S., Michigan State University, 1953
MARJORIE JEANNE MACY, B.S., 1948
THOMAS FRANCIS MARRY, JR., A.B., St. Ambrose College, 1951
REINHOLD GUSTAV MATTES, B.S., 1962
RALPH PHILBRUCK MAYALL, B.S., 1948
GEORGE WILLIAM MCCARDE, B.S., Illinois State Normal University, 1959
MARGARET STEEN MCBROOM, B.S., Olivet Nazarene College, 1950
GERALD LEO MCCOY, B.S., Mankato State College, 1960
MARY CASSIDY MCCOY, B.S., 1961
ROBERT FRANCIS MCFAIDEN, A.B., Lewis College, 1962
PATRICIA BOYER MCKAY, B.S., Ball State Teachers College, 1960
MESSEL LENA McLAURIN, B.S., Alcorn Agricultural and Mechanical College, 1948
SHEILA ANN Mc MILLAN, B.S., 1960
RONNIE RAY MCNEAL, B.S., Illinois State Normal University, 1958
EDWIN DALE MELLON, B.S., 1950
Marilyn Ruth Block Melton, B.S., 1954
WILLIAM CARL MITZKE, B.S., Illinois State Normal University, 1960
RUTH ELEANOR MOLINE, B.S., Kansas State University, 1959
RONALD PETER MONGE, B.S., Eastern Illinois University, 1960
ALAN CLAIRE MOORE, B.S., Eastern Illinois University, 1957
EDWARD WESLEY MOORE, B.S. (L.A.S.), B.S. (Educ.), 1942, 1956
PHYLLIS EVANS MOORE, B.S., 1942
RONALD WILLIAM MORELAND, B.S., Eastern Illinois University, 1962
CHARLES HADLEY MORINE, B.S., 1955
PAUL EDWARD MORRIS, B.S., Quincy College, 1950
LYLE WARREN MORROW, B.S., Illinois State Normal University, 1958
WILLIAM HARLAN MOOTRAY, B.S., Eastern Illinois University, 1957
BLANCHE GRIEVE NASH, B.S., Montana State College, 1960
HAROLD RANDALLNELSON, B.S., Western Illinois University, 1957
HOPE BROWN NELSON, B.S., Eastern Illinois University, 1957
JANICE ANDERSON NUSS, B.S., Illinois State Normal University, 1958
RAYMOND JOSEPH O'DONNELL, B.S., Michigan State University, 1951
EARLINE MCPHERSON OLIVER, A.B., McKendree College, 1957
LORAINE BRANSON OLSON, A.B., Culver-Stockton College, 1937
MELVIN ROSS PARTRIDGE, B.S., Southern Illinois University, 1959
MAXINE MARILYN PATTERSON, A.B., Fisk University, 1950
ROBERT LEE PATTERSON, B.S., Western Illinois University, 1957
FREDA JOHNSON PHILLIPS, B.S., Illinois State Normal University, 1950
JOANNA BEGGS PITTMAN, B.S., Southern Illinois University, 1953
MARGARET DOELLING PODESTA, B.S., Eastern Illinois University, 1958
GERALD BERNARD POOLIN, B.S., 1959
Robert Ernest Porter, B.S., 1961
Lloyd Dale Provow, B.S., Illinois State Normal University, 1959
David Joseph Puckel, B.S., Stout State College, 1962
Coulter Stephanie Pustmuller, B.S., Southern Illinois University, 1954
Betty Brewer Quick, B.S., Northern Illinois University, 1950
Leroy Franklin Rader, B.S., Western Illinois University, 1960
Rebecca Eunice Raff, A.B., James Millikin University, 1951
Denis Thomas Rainford, A.B., 1956
Kathryn Ann Ransom, B.S., Southwest Missouri State College, 1958
David Eugene Rayhill, B.S., Millikin University, 1958
Jack Ray Reeder, A.B., Eureka College, 1957
Larry Hayden Reynolds, B.S., Michigan State University, 1959
Florence Smith Richards, B.S., Eastern Illinois University, 1953
Bernice Arlene Richmond, B.S., Illinois State Normal University, 1959
Virginia Lee Rocke, A.B., Colorado College, 1951
Leila Elizabeth Rowden, A.B., Illinois College, 1938
Edward A. Rowley, B.S., Wisconsin State College (Eau Claire), 1958
Thomas Frank Russo, B.S., 1960
Samuel James Ryerson, B.S., Millikin University, 1958
Wendell Emerson St. John, B.S., 1960
Mary Rita Samlin, B.S., Illinois State Normal University, 1957
Paul Walter Sarewich, B.Ed., Chicago Teachers College, 1958
Donald Lee Schaefer, B.S., Eastern Illinois University, 1960
Phillip Herman Schmidt, B.S., Western Illinois University, 1958
Immie Joe Schmitt, B.S., Illinois State Normal University, 1958
Robert Eugene Schnelle, B.S., Illinois State Normal University, 1958
John Fredric Schofield, B.S., Illinois State Normal University, 1958
Ann Murray Schott, A.B., College of St. Catherine, 1941
Charles Wesley Schrader, B.S., 1958
John David Sechrist, B.S., Eastern Illinois University, 1949
John Keith Sellers, B.S., Eastern Illinois University, 1951
Kenneth Alan Shaw, B.S., Illinois State Normal University, 1961
Charles Franklin Sides, B.S., Texas Christian University, 1959
Dorr Lester Simer, B.S., 1939
Sister Mary Mercy Connor, A.B., St. Ambrose College, 1955
Sister Mary Jeannette McGrath, B.S., Loyola University (Illinois), 1957
Sister Mary Pauletta Overbeck, Ph.B., Loyola University (Illinois), 1958
Sister Mary Andrea Smith, A.B., San Diego College for Women, 1958
Verna Richman Slater, B.S., 1959
Herbert Jacqueline Sliger, B.S., 1950
Robert Anton Soucek, B.S., Northwestern University, 1947
Joseph Albright Springer, B.S., University of Notre Dame, 1954
Margaret Alkire Stark, B.S., 1961
Connie LaVerne Stephens, B.S., Lincoln University, 1957
Ralph Merle Stivers, B.S., 1943
Alvah Lee Stone, Jr., B.S., Olivet Nazarene College, 1955
Sidney Strauss, B.S., 1962
John Dunahue Sweeney, B.S., 1957
Rodney Oliver Symes, Jr., B.S., University of Chattanooga, 1960
Donald Eugene Taylor, B.S., Southeast Missouri State College, 1958
Ruth Alice Bradley Theis, B.S., Olivet Nazarene College, 1956
Robert Lee Thorstenson, B.S., Illinois State Normal University, 1956
Eugene Francis Tomaszek, B.S., Loyola University (Illinois), 1955
Robert Gordon Turner, A.B., Knox College, 1947
Isma Edith Unz, A.B., North Central College, 1925; A.M., University of Wisconsin, 1936
Arvalyn Bremer Van Ettten, A.B., 1961
Nick George Vremin, B.S., Southern Illinois University, 1954
Patsy Ruth Volner, A.B., Centre College, 1954
Ruth Weigant Volz, B.S., Illinois State Normal University, 1957
Marlyn Kay Taylor von Lanken, B.S., Millikin University, 1958
Paul Dale Walker, B.S., 1958
Edsel Webb, A.B., Harris Teachers College, 1957
FERNE STODDILL WEHER, B.S., Illinois State Normal University, 1960
CLARK RICHARD WHITE, B.S., Northern Illinois University, 1960
FRANCES RUTH MCCORMICK WHITE, B.S., Eastern Illinois University, 1960
WAYNE REX WHITLATCH, B.S., 1960
RUTH E. JOHNSON WHITMARSH, B.S., Carthage College, 1951
LOREN IPORD WICKERT, B.S., 1958
ALFRED J. WILSON, B.S., Southern Illinois University, 1958
VIVIAN ANTOINETTE WILSON, B.S., Hampton Institute, 1962
JOHN HENRY WIRTZ, B.S., 1956
WILLIAM JACOB WITTMEYER, B.S., Western Illinois University, 1958
RAE PRAY WRIGHT, B.S., Purdue University, 1959
GEORGE JOSEPH YARD, B.S., Illinois State Normal University, 1959
CAROLYN MOORE ZEISSET, A.B., Westmar College, 1962

Degree of Master of Social Work

GAIL LUCILLE BREFELD, B.A., 1959
MARILOU HUDDLESTON BURNETT, A.B., Oklahoma State University, 1950
AGNES OAKS STEFFY, A.B., Albright College, 1961

Degree of Master of Fine Arts

In Painting and Printmaking

ROBERT EDWARD ANDERMANN, B.F.A., 1952
RICHARD THOMAS FAIRFIELD, B.F.A., Bradley University, 1961
JOHN LOUIS VOGT, B.F.A., Kansas City Art Institute, 1961

Degree of Master of Accounting Science

CLARK DEAK HOLLINGSWORTH, A.B., Coe College, 1962
RICHARD VINCEN JOHNSON, B.S., Northern Illinois University, 1962
FOLKE GUSTAV KARLING, Diploma, Stockholm School of Economics, 1961
WILLIAM THEODORE MIDDENDORF, B.B.A., University of Notre Dame, 1962
RASIDI, B.S., 1962
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SAMANTHI SUMODIRIONO, B.S., 1962
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Degree of Master of Architecture

DAVID PETER BRORS, B.Arch., 1961
ROBERT MACDONALD FORD III, B.Arch., University of Washington, 1962
WILLIAM KYLE GREENOCK, Diploma, Royal College of Science and Technology, 1962
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JOSEPH BERNARD SHAUGHNESSY, J.R., B.Arch., University of Notre Dame, 1956
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Degree of Master of Commerce

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Degree of Master of Comparative Law

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Degree of Master of Extension Education

WEBSTER ELLSWORTH BAY, B.S., University of Missouri, 1954
BRAHMA DEO PANDEY, B.S., M.S., Ph.D., Banares Hindu University, 1952, 1954, 1961
Advanced Certificate

In Education

WILLIAM E. AUGUSTUS, B.S., Illinois State Normal University, 1949; Ed.M., University of Colorado, 1950
HILDE MARIE BLOCH, A.B., Millikin University, 1943; A.M., University of Wisconsin, 1951
DAN TOM BOURBULAS, A.B., A.M., 1953, 1954
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EVA FILCHAK BROWN, B.S., Millikin University, 1948; Ed.M., 1955
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ADRIAN WILLIAMS ERNST, B.S., Eastern Illinois University, 1951; Ed.M., 1955
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MICHÈLE GRANT, B.S., Lincoln University, 1952; Ed.M., 1955
ROBERT LEON HAMAN, B.S., Southeast Missouri State College, 1953; Ed.M., 1959
HOWARD PAUL HAUG, B.S., Illinois Wesleyan University, 1943; M.S., Illinois State Normal University, 1960
WILLIAM MARVIN ISOM, B.S., M.S., Eastern Illinois University, 1952, 1954
HAROLD SNODDY JESTER, B.S., 1930; A.M., State University of Iowa, 1943
ROBERT GENE KIDD, B.S., M.S., 1952, 1958
BURTON LEONARD LEAVITT, A.B., Albion College, 1952; M.S., Hunter College of the City of New York, 1954
KATHRYNE RUTH NISBET, B.S., M.S., Millikin University, 1952, 1957
JOHN EDWIN ROBERTSON, B.S., M.S., 1949, 1955
ERTHEL ELMO ROSE, A.B., Morehead State College, 1954; Ed.M., 1960
ALFRED JOSEPH SOMER, B.S., M.S., Illinois State Normal University, 1957, 1958
CARL MULFORD TAUSIG, JR., Ph.B., University of Chicago, 1949; A.B., DePauw University, 1950; A.M., University of Chicago, 1954

In Music Education

ALMA MARJORIE JONES SMITH, B.Mus., DePauw University, 1932; M.S., Eastern Illinois University, 1954

Certificate of Advanced Study in Librarianship

ELDON CHARLES HART, A.B., Brigham Young University, 1938; B.S., A.M., 1939, 1940

COLLEGE OF AGRICULTURE

Degree of Bachelor of Science

In Agriculture

KENNETH DEAN BRAZIE
JEFFREY HAROLD GILLESPIE
JOSEPH EVERETT HOGGE
JOHN THOMAS HOYNE
WILFORD EUGENE LEASURE
DON HOWARD LIVINGSTON
LARRY JAMES LOWE
JOHN RONALD MOUTON
WAYNE HOWARD OBERLE
DOYLING GENE PATTSON
JOHN MICHAEL PITZER
DWIGHT RUSSELL ROBINSON
RICHARD LEE SCHULTZ
RODNEY CORBELL SMITH
KENNETH CHARLES SPRATT

In Food Technology

LARRY RALPH WANTLAND

In Forestry

STEPHEN JOHN HANOVER

In Home Economics

KAREN ETTA HOLZHAUSER

MARY RAY MOSER
UNIVERSITY OF ILLINOIS

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

In Aeronautical and Astronautical Engineering

KENNETH RICHARD CHERNIAWSKY
MARSHALL DWAIN RICHARDSON
DARRELL WAYNE CUMMINGS
JOHN ARNOLD SEAVEY
TED JOSEPH KUSNER
RICHARD EDWIN SLOVACEK
ERMEI JAMES MCELWEE, JR.

In Agricultural Engineering

CHARLES WAYNE ANDERSON
DOYLE JULIAN HORTIN

Orville Ray Penrod

In Civil Engineering

KEITH PAUL FORTIN
KENNETH JAMES SABLES
JAMES ALBERT GOFF
RONALD JAMES SABALLUS
KURT PETER HAMANN
ROBERT ROGER SHAFFER
ROBERT GERALD KLIEBEL
GUILLERMO MANUEL TORRES
RICHARD JOSEPH MCPHERSON
JOSEPH GEORGE TSIVOLEDAKIS
DALE DEAN MEREDITH, Highest Honors
WILLIAM GRANT WESTALL
GERALD JAMES MCELWEE, JR.
GARY LEE WOOD
WAYNE JOHN ARNOLDSEAVEY
PATRICK JOSEPH YONIKAS
REDAIL CUMMINGS
RICHARD M. ZARE

In Ceramic Engineering

CHARLES WAYNE ANDERSON
DOYLE JULIAN HORTIN

Orville Ray Penrod

In Electrical Engineering

AMAIO JULIO ACOSTA CASTRO
VIRL GEORGE LEENERTS
JAMES CHARLES AGUE
EUGENE SCOTT LEEHERISSEY
JOHN DANIEL AREND
THOMAS RICHARD MIHM
SUHAS PRATAPRAO BAGWE
CHARLES JEROME NIX
THOMAS WILLIAM DAHLGREN
RICHARD WILLIAM RAYMOND
NORMAN KIRK DONSKIEF, Honors
HENRY CARLTON ROWE
WILLIAM ARTHUR ESCHNER
CARRROLL ERNEST SCHEER
GERALD FREDERICK FRANK, High Honors
THOMAS WILBUR SIGBORN
LEO GEORGE GENSLER
THOMAS MICHAEL SMITH
GEORGE GOEBEL
LARRY ZANE SOGER
KURT CARL HALLENDORFF
KENNETH AUSTIN THOMPSON
SHEL HALEN HASSEBROOK
JAMES ROBERT VAN CLEAVE
IVAN PAVLOV IVANOV
Dietrich Veidder, Highest Honors
SAMUEL CHUNSHU KUO
PAUL GLENNON WINGAND, Honors
HARRY ROBERT LANE
ROY EUGENE WHEELER, High Honors

In Engineering Mechanics

ALAN BRUCE WHITMAN, High Honors

In General Engineering

DONALD JOHN AKERS
WARREN ALFRED NIELSEN
NORMAN FRANK BOSK
PHILIP EDMOND O'DONNELL
PHILIP ARTHUR DECKOWITZ
CHARLES RANDALL HINSON
THOMAS WILLIAM OSIKA

In Industrial Engineering

ROBERT RUEBEN GERSON
JOSEPH THOMAS KOWALSKI
PAUL DEAN GOODWIN
CURTIS BRADLEY VEYANG

In Mechanical Engineering

RICHARD BRUNO ADAMS
ROBERT JOSEPH KRANE
ALBERTO BUESO-TAQUECHEL
HYACINTH OAHKE OHAYA
THOMAS CHEW
MICHAEL CRAIGE PINNEY
HARRY GRANT CLARK
LOUIS WILLIAM SANDOM
LEONARD RAY CUTLER
ROBERT LEE SHELBY
JOHN MICHAEL DEANO
DONALD FREDERICK SPURLING, Honors
KENNETH THOMAS HONSIK
ROBERT HENRY VANDERMOLEN
RAYMOND KENNETH JURVICH
SHERRILL LEE WOHLWEND
In Metallurgical Engineering
RALPH ALLEN MENDELSON ANTHONY CHARLES SCHAFFHAUSER

COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts
In Liberal Arts and Sciences

JOHN RICHARD ALLISON JANE ELLEN ANDERSON GEORGE EDWARD BEHR THOMAS JOHN BENDA HELENE FAITH BERNICK MARIAM WEED BETHEL FREDERICK LEE BLANFORD HERMAN BRANDAU ARNOLD DAVID BRYER ROBERT LAURENCE BUCK ANTHONY ROLAND BURRELL ERIKA ROTT DILLON PAUL RADKOFF EK THOMAS PAUL FARR JACK ALLEN FISH ARLEEN ELYNNE FREEMAN, Honors in Liberal Arts and Sciences LIANE JUDITH FREITZIN BARRY BRUCE GLASHAGEL LARRY ALLEN GUERRERO WALTER DAVID GULLER WILLIAM EDWARD MICHAEL HACKLEMAN DAVID MANORU HAYANO MICHAEL LOUIS HOCHBERG GUNTHER JOHANN HOLST, Honors in Liberal Arts and Sciences with High Distinction in German MARGIE ANN HUMM DAVID JEROME JACKSON, Honors in Liberal Arts and Sciences with High Distinction in Philosophy GERARD ALAIN JODON DE VILLERS, Honors in Liberal Arts and Sciences VIRGINIA LEE JONES MARY ELLEN KASTEN CAROL JEAN KOPAY KARLYNN RUTH LANGE FREDERICK DAUGHERTY LITVIN VICTOR THOMAS LUKAS MARILYN ANN METHENY ALAN LEROY METZ MAIJA DUMPIS MICHJDA, Honors in Liberal Arts and Sciences SYDNEY JOEL MISHKUTZ MARY FRANCES MULLANE GERALDINE SHARPE NEWTON CHARLES ORLOFFIZIDA VIKTORIJA PETRAVIČIUS THEODORE EUGENE PLUCINSKI, Honors in Liberal Arts and Sciences with Distinction in Zoology STEVEN EARL PRICE MELINDA DALE RUTHERFORD PATRICIA LEONA SABAL NANCY DAYTON SIDHU MICHAEL ALLAN SILVERTON SHIRLEY M. SIMS MARGOT STERN ROGER FRANKLIN STEVENSON ALLAN JAY WALLACE LESLIE KAE WENKER BLAIR WHITNEY, Honors in Liberal Arts and Sciences with High Distinction in English GARY SHERWIN WILD MARTHA JEAN WOLLENWEBER ANNE LEARMONTH YOUNG

In the Teaching of Social Studies
MARY JUDITH HACKMAK, STEPHEN STANLEY HODYKE MARION BETH STAFFORD

Degree of Bachelor of Science
In Chemical Engineering

DANIEL PAUL HEDDEN, Honors in Liberal Arts and Sciences RANDY LEE STOTLER ANTONIO VIDAL LAMILLA, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

In Chemistry

ARTHUR EDWARD HELD, Honors in Liberal Arts and Sciences LLOYD MARTIN HOLM, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
In Liberal Arts and Sciences

LUIS MARIANO ALBERT
JOHN ROBERT ANTONSIK
CAROL PETERNEL BECKER, Honors in Liberal Arts and Sciences
STEPHEN ARNOLD BISCHKE
RICHARD WILLIAM BOEVING
BOB ELLIOT BOGOLUB, Honors in Liberal Arts and Sciences
ROBERT LOUIS BRAUN
GERALD ANTHONY CARAVELLI
DAVID CHANG
RICHARD LAURENCE C~EN
JON WILLIS CULTON
DARVIN DALE DRENKHANN
KENNETH BARRY FINE, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics
EDWIN ALBERT FISCHER
EDWARD JEROME GALLAGHER
DAVID MICHAEL GRAHAM
OMAR SULIEMAN HAMMUDA
PHILLIP CLARENCE HEEMSTRA

In the Teaching of the Biological Sciences and General Science

BONNIE ADRIENNE LAU

In the Teaching of Mathematics

PEARL LYDINE HANNULA, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum

In Elementary Education

WANDA WELLS BRODIE, High Honors
MARY KENNEDY BROWN

College of Law

Degree of Bachelor of Laws

VERNON DALE ASHMORE, A.B., Southern Illinois University, 1959
ROBERT ALAN HAYES, B.S., 1961
PAUL JOSEPH KNAPP, A.B., 1961
LAWRENCE HERMAN LIBERMAN, B.S., 1960
CRAIG EUGENE McGUIRE, B.S., 1962
RICHARD EDWIN O'LEARY, A.B., 1955

College of Education

Degree of Bachelor of Science

In Education

GLENN DRE BATEMAN
BARETTE SPRAGG DICKELMAN
ROGER ALLYN FOX

In Elementary Education

WANDA WELLS BRODIE, High Honors
MARY KENNEDY BROWN

NOLAN KENT SIMS, B.S., Eastern Illinois University, 1960
WILLIAM VAN HORN SMITH, A.B., 1961
WALTER ROBERT STEWART, A.B., University of Maryland, 1959
SALVATORE ROSARIO STRAZZANtE, A.B., 1962
HARRY JOHN WESTFALL, A.B., 1960
LEO WOTAN, JR., B.S., 1960

FABIO RESTREPO LOPEZ
GERALD FRANCIS SMITH
SUSAN RANDALL VAUGHN

VELMA DELOIS BROWN
ALMA CRUSE BRUHN
In the Education of Mentally Handicapped Children

Bonnie Sue Campbell

Shirley Ann Jenks

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

WILLIAM LEE BAUER
WILLIAM RICHARDS CASH
DONALD LEROY DEAN
DENNIS MICHAEL DEMO
GLENN WILLIAM DODD
ROY ROBERT DUSELL
CHARLES MARIUS MASSETT
PAUL JOHN MEGGINNIS II
RONALD LEE MEITZLER

MICHAEL MORGAN OCHSCHNELLER
FREDERICK JOSEPH SILICH
JAMES BERNARD SALCZYNSKI
LARRY DEAN TAYLOR
DONALD EUGENE VAGNER
RAYMOND JOSEPH VILUTIS
MELVIN ROBERT WALDMAN
MARION CHARLES WALTON

In Commercial Teaching

JEANNE LILLIAN EHLERS

IN Commercial Teaching

DONALD BLAIR BROWN
DAVID WILLIAM GAFFRON
CHARLES CURTISS KAUFMAN

JACK EDWARD LUNDY
RAYMON FRANK WHITNEY

In Economics

KENNETH JOSEPH BOKOR
CLINTON EUGENE BRALY
WILLIAM ALAN FOSSY
DELBERT LEE K YGER

RICHARD PAUL MOCHEL
LAWRENCE ARSOTT MYERS
STEPHEN REYNOLDS YOST

In Industrial Administration

JOSEPH CHARLES STRANGE

In Management

DANIEL ANTHONY ANGELUS
DENNIS JOSEPH GREEN
DAVID LAWRENCE GURCZEWSKI

MERLE GENE HURELBRINK
ROBERT HENRY OSTERMAN
STANLEY THOMAS RIPSKIS

In Marketing

ROBERT LEONARD BARTZ
ROBERT WADE BLAESING
WILLIAM EDMUNDS BUGG
ELAINE ALICE COORENS
STANLEY PAUL COPELAND
RICHARD REX FISHER
WILLIAM ERVING GEEVER
JOHN GOLDE
BARRY LEE GORDON

JOYCE ANN HITES
WARD SEYFARTH JOHNSON
Harvey Alan LEVA
CLYDE RICHARD LORTZ
KAREN SUE OLSON
ANTONIA RISK
JOHN GERARD RUBLE
GARY ARTHUR SNELL
ROBERT JOHN ZAWACKE

COLLEGE OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Communications

Linnea Jo Asplind
Paul Milton Davis

Roger Von Delling
Paul Mazmanian
FUTURE BOARD MEETINGS

The Board has previously voted to change the date of the regular October meeting from the third Wednesday to Saturday, October 26, to be held in Urbana, according to a schedule to be arranged by the President and the Secretary.

On motion of Mr. Johnston, the Board voted to change the date of the November meeting from the third Wednesday to Saturday, November 23, according to a schedule to be arranged by the President and the Secretary.

At this point, Mr. Williamson asked to be excused from the meeting.
ASSOCIATION OF GOVERNING BOARDS

Mrs. Watkins reminded the Trustees that the annual meeting of the Association of Governing Boards of State Universities and Allied Institutions will be held at Pennsylvania State University, October 14 to 18, 1963. She stated that she is planning to attend and asked that other Trustees plan to do so.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session had been requested, and was being ordered, for consideration of recommendations relating to property acquisitions and patentable inventions; and that this session would be held after a luncheon recess.

On motion of Mr. Swain, the Board recessed.

When the Board reconvened in executive session, the same members, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes with the exception of Mr. Williamson, who joined the meeting later.

The Board proceeded to consider the following additional reports and recommendations from the President of the University.

PURCHASE OF PROPERTY AT 208 NORTH ROMINE STREET
URBANA, ILLINOIS

(1) The Board of Trustees on April 17, 1963, authorized condemnation proceedings for acquisition of the property at 208 North Romine Street, Urbana, Illinois, required as part of the site for construction of the new Civil Engineering Building.

A price of $29,000 has been agreed upon for the purchase of this property, which is $250 above the amount authorized by the Committee on Buildings and Grounds but appears to be the lowest price for which the property can be acquired without condemnation proceedings and the resulting cost thereof.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of this purchase, and that the Board rescind its action of April 17, 1963, authorizing the acquisition of the property through condemnation proceedings.

I concur.

On motion of Mr. Johnston, these recommendations were approved, viz: the purchase of this property, at the price indicated, was authorized; and the Board rescinded its resolution of April 17, 1963, authorizing the acquisition of the property through condemnation proceedings. These actions were taken by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Williamson.

ACQUISITION OF PROPERTY AT 1105 WEST SPRINGFIELD AVENUE
URBANA

(2) University representatives have been negotiating for the purchase of the property at 1105 West Springfield Avenue, Urbana, a lot 69 feet by 132 feet (9,108 square feet) with a two-story and basement frame house. The land is needed as part of the site for construction of the next unit of the Coordinated Science Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of $20,000, based on University appraisals, but the offer is not acceptable, and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.
Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released. I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property at 1105 West Springfield Avenue, Urbana**

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of the Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Four (4) in Block Five (5) and the West three (3) feet of Lot Five (5) in Block Five (5) of the Urbana Railroad Company Addition to the City of Urbana also called Urbana Railroad Addition to the Town now City of Urbana and all of the West One-half (W 1/2) except the East Thirty (30) feet thereof of Lot Five (5) in Block Five (5) of the Urbana Railroad Company Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois.

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois to discharge its duty to the people of said State and for public use, that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinafore set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefore determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf
of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefore, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Williamson.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA HOWARD W. CLEMENT
Secretary President

MEETING OF THE EXECUTIVE COMMITTEE
Following adjournment of the Board, on call of the Chairman, the Executive Committee of the Board of Trustees of the University of Illinois met at the request of the President of the University to consider a special item of business which had been submitted to him too late for presentation to the full Board. The following, constituting all members of the Executive Committee, were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, and Mrs. Frances B. Watkins. President David D. Henry and the other officers of the University were present, including, for the business of this meeting, Dean William L. Everitt of the College of Engineering, and Mr. John J. Desmond, Assistant Director of the Engineering Experiment Station.

THE MIDWEST ELECTRONICS RESEARCH CENTER
At the request of President Henry, Mr. Costello, Legal Counsel, presented the following report and recommendation:

On April 17, 1963, the Board of Trustees approved, in principle, the establishment of the Midwest Electronics Research Center and granted authority to negotiate contracts for the Visiting Industrial Associates Program under the Midwest Electronics Research Center. This action was subject to the approval of the State of Illinois Board of Higher Education which was subsequently granted on July 2, 1963.

Article 6 of an "Agreement for a Resident Program of Visiting Associates from Industry" contained the following language:

"All inventions, discoveries, and developments resulting from the work of the research program in which the Visiting Industrial Associate is participating, whether or not patentable, shall be and become the property of University; provided, however, that in the event the Visiting Industrial Associate is the inventor or co-inventor of such invention or inventions, Company shall be granted appropriate preferential treatment to be determined by University after taking into consideration the extent of the contribution of the Visiting Industrial Associate and to the extent permitted by contractual commitments by University to sponsors of the on-going research."

In negotiations with industry, it has been determined that this language is generally unacceptable and that a predetermination of "preferential treatment" is required as a part of the contract.

It has been determined that the following language would be more acceptable to industry; therefore, the Dean of the College of Engineering recommends that approval be given to this revision in the contract.

"All inventions, discoveries, and developments resulting from the work of the research program in which the Visiting Industrial Associate is participating,
whether or not patentable, shall be and become the property of University; pro-
vided, however, that in the event a Visiting Industrial Associate is the inventor
or co-inventor of such invention or inventions, title shall vest in University and
to the extent permitted by contractual commitments by University to sponsors of
the on-going research, Company may retain a royalty free, non-exclusive license
with the additional right to sub-license to a supplier or other company where the
purpose of said sub-license is for the manufacturing or developing of products
for the sole use of the Company. The right to sub-license for purposes other
than the sole use of the Company requires advance request by Company and
approval by University in writing.”
All University officers concerned have been consulted and have approved, with
Legal Counsel reserving the right to draft the precise language to be used.
President Henry stated that he concurs.
On motion of Mr. Johnston, this recommendation was approved.

The Executive Committee adjourned.

WAYNE A. JOHNSTON
FRANCES B. WATKINS
HOWARD W. CLEMENT

Chairman

Clerk
The October meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Saturday, October 26, 1963, beginning at 9:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Earl W. Porter, Assistant to the President, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Professor John E. Baerwald of the Department of Civil Engineering and University Traffic Engineer, Mr. Ambrose Richardson, Consulting Architect; and Mr. A. J. Janata, Secretary of the Board.
BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>William Anthony Kane</td>
<td>Palatine, Illinois</td>
<td>Montana</td>
</tr>
<tr>
<td>Eugene Francis McAllister</td>
<td>Davenport, Iowa</td>
<td>Iowa</td>
</tr>
<tr>
<td>Thomas Joseph Schopp</td>
<td>Ladue, Missouri</td>
<td>Missouri</td>
</tr>
</tbody>
</table>

On motion of Mr. Williamson, these certificates were awarded.

ADVISORY COMMITTEE FOR INSTITUTE FOR RESEARCH ON EXCEPTIONAL CHILDREN

(2) The Director of the Institute for Research on Exceptional Children recommends the following appointments to the Advisory Committee of the Institute for Research on Exceptional Children for terms as indicated, beginning September 1, 1963.

Representatives of the University

Professor Rupert Evans, Associate Dean, College of Education, two years
Professor Lloyd G. Humphreys, Department of Psychology, three years (reappointment)
Professor Louis Schneider, Department of Sociology, is the other representative of the University. His term expires in 1964.

Representatives of the Department of Mental Health and Children's Services

Dr. William Sloan, State Department of Mental Health, Springfield, three years
Dr. Donald Brieland, Director of Children's Services, is the other representative from the Department of Mental Health. His term expires in 1964.

Representatives of the Department of Public Instruction

Dr. John H. O'Neill, Assistant Superintendent, State Department of Public Instruction, three years
Mr. Vernon F. Frazee, Director, Division of Special Education, State Department of Public Instruction, two years

The Board of Trustees on July 16, 1952, approved the plan for the organization of the Institute which includes an Advisory Committee consisting of three representatives from the University, two from the Department of Public Welfare (now Department of Mental Health), and two from the Department of Public Instruction, each appointed for a three-year term.

The Dean of the College of Education and the Executive Vice-President and Provost endorse these nominations.

I recommend approval.

On motion of Mr. Williamson, these appointments were approved.

APPOINTMENTS TO THE FACULTY

(3) The following new appointments to the faculty of the rank of Assistant
Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. **JUDITH ACASSI**, Assistant Professor of Sociology, in the Division of General Studies, on two-thirds time, for one year from September 1, 1963, at a salary of $5,000.

2. **JEAN R. BOATRIGHT**, Staff Physician, Health Center and McKinley Hospital, and Assistant Professor of Hygiene, beginning September 16, 1963, at an annual salary of $17,000.

3. **LOUIS D. BOSSES**, Clinical Associate Professor of Neurology, in the Department of Neurology and Neurological Surgery, on one-fourth time, beginning September 1, 1963, at an annual salary of $3,000.

4. **TRILL ERTL**, Visiting Professor of Mining Engineering, for four and one-half months from February 1, 1964, at a salary of $7,200.

5. **JANE FARLEY**, Clinical Assistant Professor of Psychology, in the Department of Psychiatry, College of Medicine, beginning September 1, 1963, without salary.

6. **HAROLD FEINBERG**, Associate Professor of Pharmacology, College of Medicine, on one-tenth time, beginning September 1, 1963, at an annual salary of $1,200.

7. **JOHN C. FRYE**, Professor of Geology, beginning September 1, 1963, without salary.

8. **ROBERT W. GLENN**, Staff Physician, Health Center and McKinley Hospital, and Assistant Professor of Hygiene, beginning September 16, 1963, at an annual salary of $14,000.

9. **ARNOLD W. GUESS**, Assistant Professor of Astronomy, beginning September 1, 1963, at an annual salary of $9,000.

10. **SHEPPARD G. KELLAM**, Assistant Professor of Psychiatry, College of Medicine, beginning September 1, 1963, without salary.

11. **CALVIN A. KUENZEL**, Visiting Associate Professor of Law, for four and one-half months from February 1, 1964, at a salary of $6,500.

12. **HAROLD H. NIEBEL**, Clinical Associate Professor of Oral Pathology, College of Dentistry, beginning September 1, 1963, without salary.

13. **JEANETTE SCHULZ**, Clinical Associate Professor of Pediatrics, College of Medicine, beginning September 1, 1963, without salary.

14. **ADOLFS SPRUDZS**, Law Library Assistant with rank of Assistant Professor, beginning October 1, 1963, at an annual salary of $8,200.

15. **ROBERT E. STAKE**, Associate Professor of Educational Psychology and Associate Director of the Office of Educational Testing, College of Education, beginning September 1, 1963, at an annual salary of $13,500.

On motion of Mr. Dilliard, these appointments were confirmed.

**CHAIRMANSHP OF THE DEPARTMENT OF ART AT THE CHICAGO UNDERGRADUATE DIVISION**

(4) The members of the faculty of professorial rank in the Department of Art at the Chicago Undergraduate Division have voted to recommend a change in the form of the organization of the Department from one organized with a head to one organized with a chairman. The Dean of the College of Architecture and Art and the Vice-President for the Chicago Undergraduate Division have approved this recommendation.

The Dean and the Vice-President also recommend the appointment of Professor John E. Walley, who has been serving as Acting Head of the Department for the past year, as Professor of Art on indefinite tenure, and Chairman of the Department of Art at the Chicago Undergraduate Division for two years from September 1, 1963. No change in salary is involved. This appointment is recommended after consultation with the appropriate members of the faculty of the Department of Art, and is concurred in by the Executive Vice-President and Provost, and the Acting Dean of the Graduate College.

I concur in the above recommendations.

On motion of Mrs. Watkins, these recommendations were approved.

**DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURES**

(5) The faculty of the Department of German has requested that its name be
officially changed to "Department of Germanic Languages and Literatures," which more clearly describes its operations, for it teaches Gothic and Old Icelandic as well as German with its older forms (Old and Middle High German) and offers courses in modern Scandinavian literature. The recommendation is concurred in by the Executive Committee of the College of Liberal Arts and Sciences and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

RESIGNATION OF DEAN J. W. PELTASON

(6) I report the resignation of Dean J. W. Peltason of the College of Liberal Arts and Sciences and Professor of Political Science, effective July 1, 1964. Dean Peltason has accepted the Deanship of the College of Arts, Letters, and Sciences at the University of California at Irvine.

This report was received for record.

APPROPRIATION BY THE ATHLETIC ASSOCIATION

(7) The Board of Directors of the Athletic Association of the University of Illinois has approved an assignment of $6,000 from surplus funds of the Association for the expenses of the University of Illinois football band to Madison, Wisconsin, November 15-16, 1963.

Confirmation of this action is requested.

On motion of Mr. Swain, this assignment of funds was confirmed.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

**Urbana-Champaign**

<table>
<thead>
<tr>
<th>Project</th>
<th>Firm</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remodeling of the building at 1308 West Springfield Avenue for use as office space by the Digital Computer Laboratory</td>
<td>Sargent and Lundy</td>
<td>Same as present contract</td>
</tr>
<tr>
<td>Remodeling to provide adequate space for a new program in plant physiology research: Room 107, Vegetable Crops Building</td>
<td>Chicago</td>
<td>11,630.00</td>
</tr>
<tr>
<td>Room 204, Floriculture Building</td>
<td>Sargent and Lundy</td>
<td>16,740.00</td>
</tr>
<tr>
<td>Remodeling in the Administration Building and in the Illini Union to provide office quarters for relocation of personnel in the President's and Provost's Office, and for relocation of the Board of Trustees Office; and moving of equipment</td>
<td>Chicago</td>
<td>5,865.00</td>
</tr>
</tbody>
</table>

**Total** | $37,695.00

I concur.

On motion of Mr. Johnston, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kernan.

EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the following architectural and engineering firms for the services and on the terms as indicated below.

**Projects at Urbana-Champaign**

<table>
<thead>
<tr>
<th>Project</th>
<th>Firm</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam and electric distribution system extension</td>
<td>Sargent and Lundy, Chicago</td>
<td>Same as present contract</td>
</tr>
</tbody>
</table>

(The present Sargent and Lundy fee is based on a current expense charge for engineering and drafting at actual salaries and wages, plus 50 per cent of the
stenographic and clerical services and travel expenses and miscellaneous expenses at actual cost and a fixed fee charge of 1½ per cent of the mutually agreed estimate of the cost of the project to completion exclusive of charges included above and the University's engineering supervisory and overhead costs. If a resident field engineer is requested, the service will be billed at actual salary plus 15 per cent, plus traveling and field expenses.)

<table>
<thead>
<tr>
<th>Project</th>
<th>Firm</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storm and water main extension to serve Civil Engineering Building and East Chemistry Building Addition</td>
<td>Wilson and Anderson, Urbana</td>
<td>Schedule A of minimum fees of Illinois Society of Professional Engineers</td>
</tr>
<tr>
<td>Remodeling food service areas in Illini Union Building</td>
<td>Fred Schmid Associates, Chicago</td>
<td>$15 per hour of professional employees plus out of pocket expenses</td>
</tr>
<tr>
<td>Air-conditioning study for Urbana campus</td>
<td>Sargent and Lundy, Chicago</td>
<td>Salaries of engineers plus 100 per cent for overhead and commission; plus clerical services and other expenses to be billed at actual cost</td>
</tr>
</tbody>
</table>

Projects at the Medical Center, Chicago

<table>
<thead>
<tr>
<th>Project</th>
<th>Firm</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remodeling in the Dentistry-Medicine-Pharmacy Building</td>
<td>Richardson, Severns, Scheeler, and Associates, Champaign</td>
<td>Salaries of engineers plus 100 per cent for overhead and commission; but not to exceed $47,000</td>
</tr>
<tr>
<td>Remodeling in the Hospital</td>
<td>Fugard, Burt, Wilkinson, and Orth, Chicago</td>
<td>Salaries of architects, plus 100 per cent for overhead and commission, but not to exceed $43,000</td>
</tr>
</tbody>
</table>

Funds for all the projects except the Illini Union are available in state capital appropriations. Funds are available from the proceeds of the revenue bond issue for the Illini Union Services.

The Advisory Committee on the Selection of Architects and Engineers and the Committee on Buildings and Grounds have previously considered these recommendations and concur.

I concur.

On motion of Mr. Williamson, these recommendations were approved.

CONTRACTS FOR CONSTRUCTION OF ADDITION TO EAST CHEMISTRY BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the first addition to the East Chemistry Building, the award in each case being to the lowest acceptable bidder:

General—Kuhne-Simmons Company, Inc., Champaign..................$2,224,160
Base bid ..................................................$2,219,000
Additive alternates for Service charge for assignment of other contracts to the general contractor...........................69,000
Installation of underground condenser water tank ...........2,300
Deductive alternates for Substituting the Mills Company partitions for those specified.................................−45,290
Eliminating factory glazing on windows........................−7,400
Substituting kitchen unit for kitchenette......................−650
Substituting ceramic tile for structural glazed tile... - 9 800
Substituting Wood Conversion Company acoustical tile... - 3 000

**Elevator** — Westinghouse Electric Corporation Elevator Division, Chicago. 124 856

**Plumbing** — Reliable Plumbing and Heating Company, Champaign... 505 590
- Base bid $449 890
- Additive alternate for replacing 8 inch sanitary sewer in California Avenue 6 000
- Deductive alternate for substituting kitchen unit for kitchenette - 300

**Heating, Piping, Refrigeration, and Automatic Temperature Control** — Healy Plumbing and Heating Company, St. Paul, Minnesota... 652 770
- Base bid $627 800
- Additive alternates for
  - Installation of underground condenser water storage tank 11 700
  - Installation of liquid nitrogen line 12 200
  - Substituting plastic pipe for tin lined pipe 970
  - Change pipe and valves from brass to tin lined brass 100

**Ventilation and Distribution Systems for Conditioned Air** — R. H. Bishop Company, Champaign. 297 442

**Pipe Covering and Insulation** — Mechanical Insulation Company, Inc., Kewanee 141 250

**Electrical** — William H. Brunkow, doing business as Brunkow Electric Company, Champaign. 458 970
- Base bid $459 000
- Deductive alternate for substituting kitchen unit for kitchenette - 30

**Laboratory Equipment** — E. H. Sheldon Equipment Company, Muskegon, Michigan. 964 064
- Base bid $1 207 000
- Deductive alternates for
  - Substituting Isoshel bench tops - 58 000
  - Substituting Colorlith for Colorseran on inner fume hood surfaces - 33 936
  - Substituting fume hoods manufactured by E. H. Sheldon Equipment Company - 151 000

**Total** $5 369 102

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract $5,369,102; and it is further recommended that an agreement be entered into with Kuhne-Simmons Company, Inc., Champaign, for the assignment of these other contracts for $92,000 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from the state capital appropriations to the University from the University’s Building Fund, subject to release, and from a grant of $1,600,000 from the National Science Foundation and a grant of $750,000 from the National Institutes of Health.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of all bids received, copies of which are being filed with the Secretary of the Board for record.

I recommend the awards of contracts, as indicated, subject to the release of the state funds.

On motion of Mr. Hughes, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.
CONTRACTS FOR CONSTRUCTION OF MATERIALS RESEARCH LABORATORY, PHASE II

(11) Submitted herewith is a report from the Physical Plant Department on the construction of the Materials Research Laboratory, Phase II, including a schedule of the bids received, a copy of which is filed with the Secretary of the Board for record.

The First National Bank of Chicago has agreed to loan the University of Illinois Foundation $4,500,000 at 2% per cent interest over a twelve-year period to finance that portion of the total cost which will be repaid by the Atomic Energy Commission and Advanced Research Projects Agency. The total cost of the building, including architectural costs and Phase I of the construction previously approved by the Board, is estimated at $4,750,000. The Vice-President and Comptroller and the Executive Vice-President and Provost recommend that $250,000 of the costs for Phase I and architectural services, temporarily financed from indirect costs, be provided from funds which are available in state capital appropriations.

The Vice-President and Comptroller also recommends that the construction bids be assigned to the University of Illinois Foundation, that the site be leased to the Foundation for a period of thirty years, that the Foundation be requested to borrow funds for construction from the First National Bank of Chicago, and lease the property back to the University for biennial periods at rental sufficient to cover interest, principal, and other costs to the Foundation.

I concur and recommend adoption of the following resolution:

Resolution for Materials Research Laboratory, Phase II

Be It, and It Hereby Is, Resolved by this Board of Trustees of the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized for and in the name of, and on behalf of, this public corporation:

(1) to sign, execute, and deliver an agreement with and to University of Illinois Foundation, a not for profit corporation of the State of Illinois, hereinafter referred to as "Foundation," which agreement shall provide that this public corporation will lease certain hereinafter described property owned by it in Urbana, Illinois, to Foundation; that Foundation will borrow money for the purpose of constructing, and will construct, on said property a building and facilities for use as a Materials Research Laboratory; that Foundation will sublease said premises, including the building and facilities thereon, to this public corporation at a rental sufficient to pay Foundation's indebtedness incurred in connection with the construction and equipping of said building and facilities; and that upon completion of the repayment of said indebtedness from said rentals title to said property, including all improvements and facilities thereon, shall be vested in this public corporation;

(2) to enter into a lease with Foundation providing for the leasing by this public corporation to Foundation of the following described property, viz:

"Situated in the State of Illinois, the County of Champaign, the City of Urbana and being a part of the NE 1/4 of the NE 1/4 of Section 18 Township 19 North and Range 9 East of the Third Principal Meridian and being more fully bounded and described as follows:

Beginning at a corner of the East property line of Goodwin Avenue in said City of Urbana, said corner being 301.31 feet distant South of and 1236.9 feet distant west of the N.E. corner of said Section 18, and being marked with an iron pipe monument; thence Easterly along a line perpendicular to the East property line of said Goodwin Avenue a distance of 372.12 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the East property line of said Goodwin Avenue a distance of 278.0 feet to a corner, said corner being marked with an iron pipe monument; thence Northerly along a line perpendicular to the East property line of said Goodwin Avenue a distance of 372.12 feet to a corner on the East property line of said Goodwin Avenue, said corner being marked with an iron pipe monument; thence Northerly along the East property line of said Goodwin Avenue, a distance of 278.0 feet to the place of
The Board of Trustees of The University of Illinois, a public corporation of the State of Illinois, have, beginning, and being further described as the South 35.69' of the East 56.0' of Lot 1, the South 35.69' of Lots 2, 3, 4, and 5, and the South 35.69' of the West 52.12' of Lot 6, all in Block 6 of the Urbana Railroad Addition to the City of Urbana; and the West 184.12' of Lot 2, the East 188.0' of Lots 3 and 4, the North 62.81' of the East 142.0' of Lot 5, the North 62.81' of Lot 6, the North 62.81' of the West 78.12' of Lot 7, all in W. M. Goodwin's Addition to the City of Urbana; containing 2.375 acres, more or less.

for a term of thirty years commencing on the first day of November A.D. 1963 and extending to and including the 31st day of October A.D. 1993, or until the indebtedness incurred by Foundation in connection with the construction and equipping of said building and facilities has been paid and liquidated, whichever shall first occur; in consideration of Foundation's constructing thereon a building and facilities for use as a Materials Research Laboratory pursuant to plans and specifications therefor as now on file in the office of the University Architect of this public corporation and for which bids have been received as hereinafter set forth, and in consideration of Foundation's reimbursing this public corporation for architectural and engineering fees incurred in connection with said construction and the plans and specifications therefor, and in consideration of Foundation's subleasing said premises and the building and facilities thereon to this public corporation upon the terms and conditions herein set forth; and providing further that in the event this public corporation should become in default under the terms of said sublease or fail to exercise any option for renewal of the term of said sublease under the terms and conditions therein set forth that thereupon Foundation shall have the full and unrestricted right to the use and possession of said premises and the building and facilities thereon for the remainder of the original term of said lease and the right to assign said lease or sublet said premises with the building and facilities thereon to others for the remainder of the original thirty year term of said lease;

(3) to enter into a sublease agreement with Foundation when the construction of said building and facilities has been completed, providing for the subleasing by Foundation to this public corporation of said premises including the building and facilities thereon, under which sublease this public corporation will agree to pay a rental sufficient to meet all current installment payments becoming due and required to be paid by Foundation during the term of said sublease on Foundation's indebtedness incurred in connection with the construction of said building and facilities; said sublease to run from the date of the closing of Foundation's permanent loan secured for the financing of said improvements and extend to June 30 of the first subsequent odd-numbered year thereafter, and which permanent loan it is contemplated will be repayable in forty quarterly installments of approximately One Hundred Twelve Thousand Five Hundred Dollars ($112,500) each with interest at an effective net interest rate of 2% per cent due each quarter on the unpaid balance; and which sublease shall contain options giving to this public corporation the right to renew said sublease for successive two year periods from July 1 of each odd-numbered year to June 30 of the next succeeding odd-numbered year by giving written notice to Foundation between the first and fifteenth day of July in each year when such renewal is to be made, until said sublease is finally terminated by the payment and liquidation of the above mentioned indebtedness;

(4) to commit this public corporation to act as agent for Foundation in the supervision of construction and administration of contracts therefor and change orders thereto, and the administration and service of said indebtedness, and in making payments of and disbursements from and of funds made available by the creditor of Foundation for the purpose of said construction and acquisition of facilities; and

(5) to sign, execute, acknowledge, and deliver any and all other documents and instruments deemed necessary or desirable by said Comptroller and said Secretary to accomplish the purpose herein set forth.

Be It, and It Hereby Is, Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the bids received on September 24 and October 1, 1963, for the construction of Materials Research Laboratory, Phase II, and all rights thereunder, including but not limited to, the right to contract with the bidder, a copy of a schedule of which bids has been filed with the Secretary of this Board of
Trustees for record, be and they hereby are assigned to Foundation; and this Board of Trustees recommends to the Board of Directors of University of Illinois Foundation that contracts for construction of Materials Research Laboratory, Phase II, be awarded by Foundation as follows:

**General** — Johnson, Drake, and Piper, Incorporated, Terre Haute, Indiana

- **Base bid** .................................................. $2,236,000
- **Additive alternate for service charge for assignment of other contracts to the general contractor** .......... 60,000
- **Deductive alternate for omitting panels and steel members in back of precase grills** ....................... –2500  
  **Total** .................................................. $2,293,500

**Plumbing** — The Economy Plumbing and Heating Company, Inc., Skokie

- **Base bid** .................................................. $337,777


- **Base bid** .................................................. $381,000

**Ventilating** — The Robert Irsay Company, Skokie

- **Base bid** .................................................. $346,853

**Pipe Covering and Insulation** — Culberg Asbestos and Cork Company, Chicago

- **Base bid** .................................................. $83,450

**Temperature Control** — The Johnson Service Company, Urbana

- **Base bid** .................................................. $57,425
- **Additive alternate for central control panel** .......... 27,400  
  **Total** .................................................. $84,825

**Electrical** — G. L. Wilsky, an individual doing business as Downtown Electric, Urbana

- **Base bid** .................................................. $428,325
- **Additive alternate for master air conditioner control panel** .......... 100
- **Deductive alternate for omitting telephone trough** ...... –7,200  
  **Total** .................................................. $421,225

**Laboratory Equipment** — The Walrus Manufacturing Company, Decatur

- **Base bid** .................................................. $75,400

**Fume Hoods** — The Laboratory Furniture Company, Mineola, New York

- **Base bid** .................................................. $44,200

**Elevators and Elevator Equipment** — The Otis Elevator Company, Chicago

- **Base bid** .................................................. $54,908

  **Total** .................................................. $4,123,138

This Board of Trustees further recommends to the Board of Directors of University of Illinois Foundation that all contracts other than the contract for general work be assigned to the contractor for general work, making a total for such contract a price of $4,123,138, and that an agreement be entered into by Foundation with Johnson, Drake, and Piper, Incorporated, for the assignment of these other contracts, for $60,000, which amount is included in the aforesaid contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

On motion of Mrs. Watkins, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR CONSTRUCTION OF 100-FOOT ANTENNA RESEARCH TOWER**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $26,980, to English Brothers Company, Champaign, the amount of their base bid and a deductive alternate substituting Douglas fir for yellow pine for construction of a 100-foot Antenna Research Tower south of Bondville, Illinois, for the Department of Electrical Engineering, subject to completion of acquisition of title to the land required.

Funds are available from a research contract with the United States Navy. I concur.
On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**CONTRACT FOR CONSTRUCTION OF ANTENNA MODEL PATTERN RANGE**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of an antenna model pattern range to be constructed south of Bondville, Illinois, for the Department of Electrical Engineering, the award in each case being to the lowest bidder, subject to completion of acquisition of title to the land required.

General—Lynne Meyer, doing business as Lynne Meyer Company, Champaign .............................................. $29,830.00
Electrical—Potter Electric Service, Inc., Urbana .................. 4,737.00
Plumbing—Willis H. Thomas and Wren C. Thomas, doing business as Thomas Plumbing and Heating Company, Urbana ........... 2,175.00

Funds are available from a research contract with the United States Navy. I concur.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**WATER RESOURCES CENTER**

(14) The Acting Dean of the Graduate College recommends that a Water Resources Center be established at the University of Illinois and that it be administered by the Graduate College. The Executive Vice-President and Provost concurs in this recommendation.

The Center will encourage and coordinate university-wide planning and implementation of interdisciplinary programs for research and graduate education in water resources. The interests of the Center will encompass current and future programs of water resources within the various academic departments of the University and cooperating agencies, including the State Water Survey and the other state surveys. The administration of water resources programs will continue to be the responsibility of the academic departments and cooperating agencies.

The Center will administer funds assigned or granted to it. It will review proposals and allocate such funds to the cooperating departments and agencies for the development of programs on water resources. As a unit of the Graduate College, the Center will review grant proposals made to outside agencies or to University sources for the support of water resources programs and will recommend appropriate action on such proposals. Finally, for purposes of information, coordination, and referral, the Center will maintain a current file of all water resources programs of the University and the cooperating agencies.

The Center will be administered by an Executive Committee through a Director. The Dean of the Graduate College will appoint the members of the Executive Committee, which consists of the Directors of the Agricultural and the Engineering Experiment Stations, a representative of the College of Liberal Arts and Sciences, and two members representing other participating units and agencies. The Dean of the Graduate College, with the advice of the Executive Committee, will appoint a Director of the Center who will then become a member of the Executive Committee and serve as its secretary. The Executive Committee will give policy and broad program direction to the work of the Center and will establish a standing technical advisory committee and other groups as needed to consider specific problems or activities related to water resources programs.

I concur.

On motion of Mr. Swain, this recommendation was approved.
SUPPLEMENTAL ANNUITIES FOR RETIRED UNIVERSITY PERSONNEL

(15) The University Retirement System of Illinois was created by an Act of the General Assembly of Illinois approved June 21, 1941, and began operating on September 1, 1941. Since then, it has provided the retirement, disability, death, and survivor benefits for all members of the faculty and other employees of the six state-supported institutions of higher education, the state scientific surveys, and certain auxiliary state agencies such as the System itself. All benefits accruing to the personnel covered by the System are defined by state law; and any changes in benefits are pursuant to legislative action.

Prior to the establishment of the University Retirement System, the Board of Trustees of the University of Illinois established a program and policies, which became operative September 1, 1925, providing for payment of retirement and death benefits from University funds. All personnel who retired prior to September 1, 1941, have received their benefits from this University of Illinois System, and those still living continue to receive their retirement benefits from University funds.

Retirement benefits, then as now, were based upon salaries paid during the last several years of active service and the period of such service. It is apparent that the retirement annuities determined by salaries which were being paid in 1941 are wholly inadequate when measured by present costs of living. The same is true, although perhaps in most cases to a somewhat lesser extent, of annuities being paid to those who retired after September 1, 1941, under the University Retirement System of Illinois prior to the increases in benefits established by the amendments to the Act made by the General Assembly in 1959. While the University may supplement the annuities of those who retired under the University of Illinois System established in 1925, and which is under the sole jurisdiction of the Board of Trustees of the University of Illinois, action to improve the benefits of those who retired under the University Retirement System of Illinois requires specific authorization of the General Assembly.

The Seventy-second General Assembly of Illinois established a precedent for supplemental annuities of employees after retirement by an Act providing for additional annuities for teachers in the State Teachers and the Chicago Teachers Retirement Systems, the constitutionality of which law has been upheld by the Supreme Court of Illinois. Under that law, retired teachers are permitted to purchase additional annuities to bring their total retirement benefits to a maximum of $50 a year for each year of service but in no event in excess of $2,250 per year. For such supplemental benefits the individual is required to make a payment of $5 for each year of credited service at the time of retirement into a separate fund to which fund the state also contributes. The supplemental benefits are payable only out of that fund.

Since University of Illinois personnel who retired prior to September 1, 1941, are under a retirement system which was established and has been operated solely by the University, the Board of Trustees may act to supplement the benefits of such retired personnel without state legislation; and the precedent cited above justifies such action as a matter of policy. Seven members of the University faculty and other employees who retired prior to September 1, 1941, and who are still living, are eligible to purchase supplemental annuities if the formula used for those who retired under the State and Chicago Teachers Systems is applied. The totals of the annuities of these seven retired staff members would thus be supplemented by $4,510 per year. Initial payments required of them would total $1,021.26, resulting in a net cost of $3,488.74 during the first year. Based on the life expectancy of these individuals, the total program would cost approximately $17,116 to be paid over a period of years.

The Vice-President and Comptroller recommends that the Board approve the establishment of such a program of supplementary retirement benefits on a basis comparable to that provided by the Seventy-second General Assembly for retired personnel under the State Teachers and the Chicago Teachers Retirement Systems, and authorize the payment into such separate fund such amounts as may be necessary to pay the net cost of said supplemental annuities from funds received for reimbursement for the indirect costs of operation of research and service contracts. This proposal has been considered by the Committee on General Policy which recommends approval.

I concur.
On motion of Mr. Johnston, this recommendation was approved, and the assignment of funds required for supplemental annuities was authorized; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

UNITED STUDENT AID FUNDS, INCORPORATED

(16) The Board has authorized a contract with the United Student Aid Funds, Incorporated, whereby deposits made with that agency by the University guarantee loans obtained by its students from banks in their home areas.

Of the $5,000 authorized, $2,000 was advanced in May, 1963, by the University of Illinois Foundation to the University, which was then deposited with USA Funds and, when matched by an equivalent amount by the USA Funds, made possible loans aggregating $50,000. This amount was completely loaned within a few weeks.

Authorization is requested to accept an additional $10,000 from the Foundation for this purpose and to deposit it with the USA Funds as required, which will result in a total authorization of $15,000. While USA Funds can give no assurance at present as to what amount, if any, can be assigned by it to match the University contribution, each dollar of the deposit, consisting of the University advance and USA Funds matching funds, is used by USA Funds to guarantee $12.50 in loans obtained by students from their local banks.

On motion of Mrs. Watkins, authority was given as requested.

BEQUESTS OF DR. L. C. H. E. ZEIGLER, DECEASED

(17) The will of the late Dr. L. C. H. E. Zeigler of Chicago includes two bequests to the University, each approximately $3,000, one to the University without restriction and the other for the Research and Educational Hospitals. The attorneys for the estate have requested adoption of a resolution by the Board of Trustees authorizing acceptance of these bequests. The following resolution is submitted.

Resolution

WHEREAS, L. C. H. E. Zeigler, a resident of Chicago, Illinois, departed this life on the 17th day of March, 1961, leaving a Last Will and Testament and Codicil which have been duly admitted to probate in Cook County, Illinois, said Last Will and Testament containing provisions for bequests as follows: University of Illinois—Chicago Research and Educational Hospitals and Illinois State University,

NOW, Therefore, Be It, and It Is Hereby, Resolved, by this Board of Trustees of The Board of Trustees of the University of Illinois, that the said bequests be and the same are hereby accepted by said The Board of Trustees of the University of Illinois for the uses and purposes therein set forth; and

Be It Further Resolved that C. C. DeLong, as Bursar of the University of Illinois, be and he is hereby authorized to accept payment on behalf of said The Board of Trustees of the University of Illinois, and to execute and deliver to John O. Root, William Culbertson, Henry C. Crowell, Ernest C. Christiansen, and Stanley Staiger, Executors of the Last Will and Testament and Codicil of said L. C. H. E. Zeigler, Deceased, the receipt of said The Board of Trustees of the University of Illinois in satisfaction thereof.

Dr. Zeigler's will includes the lists of some 450 legatees and devisees. His bequests to the University are under the names of "Illinois State University" and "University of Illinois—Chicago Research Hospitals," each being approximately $3,000, or a total of $6,000. The above resolution authorizes acceptance of both.

On motion of Mr. Johnston, this resolution was adopted.

PURCHASES

Purchases Authorized

(18) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.
The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot electronic instruments and accessories, including resistors, voltmeters, oscillators, and signal generators, to be used at the Indian Institute of Technology in Kharagpur, India</td>
<td>Agency for International Development (India)</td>
<td>General Radio Co., West Concord, Mass.</td>
<td>$2,925.50</td>
</tr>
<tr>
<td>Thirty microscopes, laboratory type, with standard optics and accessories, mounted in a case, for export to India under the United States AID program at the Uttar Pardesh University Polygraph and accessories to be used to record physiological data</td>
<td>Agency for International Development (India)</td>
<td>Bausch &amp; Lomb, Inc., Rochester, N.Y.</td>
<td>$8,934.60</td>
</tr>
<tr>
<td>Furnish and erect one silo, size 16 ft. by 60 ft., poured concrete, including foundation, at the University of Illinois Wright Farm No. 4 located at Malta, Illinois; the silo is to be used for corn silage in connection with livestock feeding research being conducted by the Agricultural Economics Department of the College of Agriculture</td>
<td>Agricultural Economics</td>
<td>Universal Tank &amp; Iron Works, Inc., Indianapolis, Ind.</td>
<td>$4,217.93</td>
</tr>
<tr>
<td>Fertilizer as follows: 17.60 tons diammonium phosphate 18.275 tons granular high analysis phosphate 22.45 tons ammonium nitrate</td>
<td>Agricultural Economics</td>
<td>Tennessee Valley Authority, Wilson Dam, Ala.</td>
<td>$4,217.93</td>
</tr>
<tr>
<td>To be used for ten Allerton Trust Farms; the Allerton Farm tenants will reimburse the University for one-half the total cost</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Furnish materials and labor to construct a water tower, 75 ft. high, with water tank, 30,000 gallons capacity, complete with all necessary piping, paint, and insulation, and dismantle existing 12,000 gallon tank and 50 ft. tower at Robert Allerton Park</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were approved.

**Purchases Recommended**

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

**Purchases from Appropriated Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot scientific apparatus and supplies consisting of one refractometer, 500 plastic bottles, thirty bags, corks, forty packages test paper, eight cases chemicals, seventy cases laboratory glassware, 5,000 rubber bulbs, ten gross graduate cylinders</td>
<td>Physical Science, Chicago Undergraduate Division</td>
<td>LaPine Scientific Co., Chicago</td>
<td>$4,415.00</td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were approved.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One ultrasonic cleaner and supplies</td>
<td>Research and Educational</td>
<td>Zimmer-Ramsay Associates, Chicago</td>
<td>$ 4 299 70</td>
</tr>
<tr>
<td></td>
<td>Agronomy</td>
<td>Schaar Scientific Co., Chicago</td>
<td>11 750 00</td>
</tr>
<tr>
<td>One lot of laboratory apparatus and equipment including balances</td>
<td>Agronomy</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>2 712 00</td>
</tr>
<tr>
<td>One polarizing microscope,</td>
<td>Agronomy</td>
<td>Philips Electronic Instruments, Chicago</td>
<td>23 761 00</td>
</tr>
<tr>
<td>One vacuum X-ray spectrographic unit, complete, including supervised</td>
<td>Agronomy</td>
<td>Applied Research Laboratories, Inc.,</td>
<td>4 200 00</td>
</tr>
<tr>
<td>One volunteer for ultraviolet and visible regions including</td>
<td>Chemistry and Chemical</td>
<td>Westchester</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>additional equipment to expand and upgrade the laboratory work in</td>
<td>Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upgrade the laboratory work in Physics courses 343 and 344</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>additional equipment and consisting of constant potential</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All purchases will be made from both Appropriated Funds, $7,216.65,</td>
<td></td>
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</tr>
<tr>
<td>All purchases will be made from both Appropriated Funds,</td>
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<td></td>
</tr>
<tr>
<td>Assignment of library binding contract</td>
<td>Library</td>
<td>Hertzberg-New Method, Inc., Jacksonville</td>
<td>100 000 00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Sixty-three hanging wall closets, with double doors, wood,</td>
<td>McKinley Hospital</td>
<td>Hill-Rom Co., Inc., Batesville, Ind.</td>
<td>3 181 50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Three ovens, mechanical conversion, two autoclaves, steam</td>
<td>Agronomy</td>
<td>Fisher Scientific Co., Chicago</td>
<td>11 433 25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Two balances, one macro and one semimicro, for new equipment in</td>
<td>Agronomy</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>3 390 00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Purchases from Institutional Funds</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One automatic recording spectrophotometer and accessories</td>
<td>Biological Chemistry</td>
<td>Perkin-Elmer Corp., Norwalk, Conn.</td>
<td>$ 5 898 00</td>
</tr>
<tr>
<td></td>
<td>Chicago</td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>One refrigerated centrifuge and accessories</td>
<td>Biological Chemistry</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>2 695 00</td>
</tr>
<tr>
<td></td>
<td>Chicago</td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>One ultra high-speed preparative centrifuge with two rotors and</td>
<td>Biological Chemistry</td>
<td>Spinco Division, Beckman Instruments, Inc.,</td>
<td>8 192 00</td>
</tr>
<tr>
<td></td>
<td>Chicago</td>
<td>Palo Alto, Calif.</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Fermentation equipment, consisting of one fermentor, two drying</td>
<td>Biological Chemistry</td>
<td>New Brunswick</td>
<td>6 461 50</td>
</tr>
<tr>
<td></td>
<td>Chicago</td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
<td>---------------------------------</td>
<td>---------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>One automatic ultraviolet analyzer</td>
<td>Biological Chemistry, Chicago</td>
<td>Vanguard Instrument Co., La Grange</td>
<td>$8 000.00 delivered</td>
</tr>
<tr>
<td>One spectrophotofluorometer with accessories of eight cells, two cell adapters, one polarizer, and one recorder</td>
<td>Clinical Research Center, Chicago</td>
<td>American Instrument Co., Barrington</td>
<td>$7 275.00 delivered</td>
</tr>
<tr>
<td>One photomicroscope and accessories</td>
<td>Dental Radiology, Chicago</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$4 223.00 delivered</td>
</tr>
<tr>
<td>Rental of approximately sixty-nine hours of computer time on various electronic computers for data processing during the period of November 1, 1963, through June 30, 1964</td>
<td>Library, Chicago Undergraduate Division</td>
<td>Lutter &amp; Maremont Co., Inc., Chicago</td>
<td>$3 995.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies consisting of one centrifuge, three ovens, twelve stopwatches, and thirty-eight dozen rolls of aluminum foil</td>
<td>Medical Center, Chicago</td>
<td>LaPine Scientific Co., Chicago</td>
<td>$3 467.00 delivered</td>
</tr>
<tr>
<td>Twenty-five refrigerators and eight freezers for laboratories</td>
<td>Medical Center, Chicago</td>
<td>Frigidaire Sales Corp., Chicago</td>
<td>$5 205.75 delivered</td>
</tr>
<tr>
<td>One lot of scientific equipment and supplies consisting of one ultracentrifuge, twelve pipette baskets, 1,086 plastic bottles, 270 packages corks, 500 ounces microscope cover glasses, 200 vials capillary tubes, ninety-six rolls aluminum foil, and six stopwatches</td>
<td>Medical Center, Chicago</td>
<td>A. Daigger &amp; Co., Chicago</td>
<td>$8 118.32 delivered</td>
</tr>
<tr>
<td>Steel laboratory furniture consisting of four tables, nineteen stools, and twelve cabinets; wood laboratory furniture consisting of thirty-one tables, twenty stools, two cabinets, three wall cases, and four glassware pegboards</td>
<td>Medical Center, Chicago</td>
<td>Browne-Morse Company, Kewanee, Mich. (steel furniture)</td>
<td>$2 724.29 delivered</td>
</tr>
<tr>
<td>Sixty-six animal cage racks, 410 dropping pans, 500 medium sized animal cages, and 500 guinea pig cages; right reserved to increase or decrease quantities by 15 per cent without penalty</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Production Steel Co., of Illinois, Broadview</td>
<td>$5 144.00 delivered</td>
</tr>
<tr>
<td>200 stainless steel rat breeder cage tops</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Jos. T. Ryerson &amp; Son, Inc., Chicago</td>
<td>$4 560.00 delivered</td>
</tr>
<tr>
<td>Right reserved to increase or decrease quantities by 15 per cent without penalty</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Spino Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$8 041.20 delivered</td>
</tr>
<tr>
<td>One ultra high-speed centrifuge, three rotors, thirty-six tubes, and twenty-four tube caps</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Aloe Scientific Co., Schiller Park</td>
<td>$5 880.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies consisting of two spectrophotometers, 274 packages of filter paper, twelve pails, 200 gross finger cots, 400 books lens paper, twenty-four pipetters, two pipette rinsers, 500 gross slides, and sixty gross pipettes</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Sanborn Co., Chicago</td>
<td>$2 693.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment</td>
<td>Medical Research Laboratory, Chicago</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$3 800.00 delivered</td>
</tr>
<tr>
<td>One automatic gamma scintillation system and dual-channel analyzer with time and count printout</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Aloe Scientific Co., Schiller Park</td>
<td>$9 164.10 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies consisting of four balances, 522 plastic bottles, 124 bags of corks, 192 rolls of aluminum foil, and 100 ounces of cover glasses</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Nuclear-Chicago Corp., Chicago</td>
<td>$9 960.80 delivered</td>
</tr>
<tr>
<td>One polygraph and accessories for recording heart action and blood pressure</td>
<td>Medical Research Laboratory, Chicago</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$3 600.00 delivered</td>
</tr>
<tr>
<td>One vapor pressure osmometer and accessories</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Sanborn Co., Chicago</td>
<td>$2 693.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment</td>
<td>Medical Research Laboratory, Chicago</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$3 600.00 delivered</td>
</tr>
<tr>
<td>One automatic gamma scintillation system and dual-channel analyzer with time and count printout</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Nuclear-Chicago Corp., Chicago</td>
<td>$9 960.80 delivered</td>
</tr>
<tr>
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<td>Medical Research Laboratory, Chicago</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$3 600.00 delivered</td>
</tr>
<tr>
<td>Right reserved to increase or decrease quantities by 15 per cent without penalty</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Sanborn Co., Chicago</td>
<td>$2 693.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment</td>
<td>Medical Research Laboratory, Chicago</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$3 600.00 delivered</td>
</tr>
<tr>
<td>One automatic gamma scintillation system and dual-channel analyzer with time and count printout</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Nuclear-Chicago Corp., Chicago</td>
<td>$9 960.80 delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
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</tr>
<tr>
<td>One replacement recording apparatus for an existing automatic blood pressure recording system in the Department of Psychiatry; this apparatus will also make it possible to record skin temperature and electrocardiograms</td>
<td>Psychiatry, Chicago</td>
<td>Spino Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$2,781.20 delivered</td>
</tr>
<tr>
<td>400 dozen infant diapers, 15 in. by 21 in., and 600 dozen infant diapers, 21 in. by 40 in.</td>
<td>Physical Plant, Chicago</td>
<td>Will Ross, Inc., Milwaukee, Wis.</td>
<td>$2,516.00 delivered</td>
</tr>
<tr>
<td>Furnish and install one farrowing house, size 26 ft. by 66 ft., including foundation and concrete work, complete with slat flooring for farrowing crates, galvanized farrowing stalls, feeders, waterers, pig brooders with thermostat control air-intake system, and all necessary wiring and electrical service</td>
<td>Animal Science, Fairbury</td>
<td>Honegger &amp; Co., Inc.,</td>
<td>$5,411.66 delivered and installed</td>
</tr>
<tr>
<td>One basic X-ray small angle scattering camera goniometer, and accessories, used for the detection and measurement of nucleation and crystal growth in oxide glass systems of minute sizes</td>
<td>Ceramic Engineering</td>
<td>Siemens America, Inc., New York, N.Y.</td>
<td>$3,635.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One goniometer assembly system including a change gear, one constant potential generator including current stabiliser, one electronic circuit panel including a scintillation counter attachment and electronic recorder, and one line voltage regulator, for X-ray diffraction equipment to be used in X-ray studies</td>
<td>Chemistry and Chemical Engineering</td>
<td>Philips Electronic Instruments, Chicago</td>
<td>$16,595.00 f.o.b. delivered</td>
</tr>
<tr>
<td>X-ray diffraction equipment consisting of: one constant potential generator 20 KV to 60 KV, one diffractometer, one single crystal device, one horizontal tube stand, one molybened target tube, one copper target tube; plus installation</td>
<td>Chemistry and Chemical Engineering</td>
<td>Siemens America Inc., New York, N.Y.</td>
<td>$14,347.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One constant temperature room, approximately 47 ft. by 73 ft. by 79 ft., with a temperature range of 4°C to 60°C, for research studies on the effect of the curing of various paving materials at different temperatures</td>
<td>Civil Engineering</td>
<td>Hotpack Corp., Chicago</td>
<td>$3,695.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One generator, sweep signal, x-band, 8.2 to 12.4 kmc, with levelled output of ± 0.3 dm calibrated output power</td>
<td>Coordinated Science Laboratory</td>
<td>Alfred Electronics, c/o Carter Electronics, Inc., Chicago</td>
<td>$3,500.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One electron beam evaporating unit complete with 2000 watt power supply, ten spare filaments and two electrical feedthroughs for study of evaporated film of tantalum, niobium, and alumina</td>
<td>Coordinated Science Laboratory</td>
<td>Varian Associates, Palo Alto, Calif.</td>
<td>$4,985.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One centrifuge, superspeed, automatic, refrigerated, large capacity with one 400 milliliter capacity rotor for study of the manner in which certain microorganisms produce or synthesize various compounds of biochemical interest</td>
<td>Dairy Science Laboratory</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>$2,575.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One complete feed storage, grinding, and blending system with four compartments and approximately thirty-two ton storage capacity; system to be complete including foundation and erection at the University Dairy Farm, Urbana</td>
<td>Dairy Science Laboratory</td>
<td>Mix-Mill Inc., Bluffton, Ind.</td>
<td>$4,577.38 f.o.b. delivered and erected</td>
</tr>
<tr>
<td>Labor and materials for updating of magnetic drum memory system of Illiac II from fixed heads to aerodynamic (floating) heads</td>
<td>Digital Computer Laboratory</td>
<td>Vermont Research Corp., Springfield</td>
<td>$10,300.00 f.o.b. Springfield, Vt.</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>------</td>
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<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>3,000,000 sets — single part tabulating forms, 14 3/4 in. by 11 in., including marginal guide strip on each side; the quantity is the estimated requirement for one year for the 7090 computer; the forms are to be shipped at various times during the period as required</td>
<td>Digital Computer Laboratory</td>
<td>Uarco, Inc., Decatur</td>
<td>$ 9 360 00 f.o.b. delivered</td>
</tr>
<tr>
<td>One amplifier, pulse-power, with 20:1 step-down plug-in unit, peak power output 20 KW, peak current output 100 amps, output pulse droop less than 5 per cent, pulse width 1 to 10 microseconds</td>
<td>Electrical Engineering</td>
<td>Velonex, Division of Pulse Engineering, Inc., Santa Clara, Calif.</td>
<td>3 268 26 f.o.b. delivered</td>
</tr>
<tr>
<td>One evaporator, high vacuum with ultimate blank-off pressure 1 by 10⁻⁹, counter balanced hoist for bell jar, stainless steel base plate, straight through pumping path, and extra power supply, to be used in research on p-n laser junctions</td>
<td>Electrical Engineering</td>
<td>Consolidated Vacuum Corp., Chicago</td>
<td>6 854 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20,000 copies Charting the Universe, trim size 8 1/2 in. by 11 in., 96 pages per copy</td>
<td>Elementary Education</td>
<td>George Banta Co., Chicago</td>
<td>14 971 91 f.o.b. delivered</td>
</tr>
<tr>
<td>20,000 copies The Universe in Motion, trim size 8 1/2 in. by 11 in., 104 pages per copy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20,000 copies Gravitation, trim size 8 1/2 in. by 11 in., 104 pages per copy</td>
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</tr>
<tr>
<td>7,000 copies Charting the Universe, Teacher's Guide, trim size 8 1/2 in. by 11 in., 72 pages per copy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7,000 copies The Universe in Motion, Teacher's Guide, trim size 8 1/2 in. by 11 in., 104 pages per copy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One lot laboratory glassware, micro size, to include standard tapers, adapters, liebig type condensers, distillation columns, flasks, funnels, and stirring apparatus</td>
<td>General Chemical Stores</td>
<td>Research Apparatus, Inc., Franklin Park</td>
<td>8 517 56 f.o.b. delivered</td>
</tr>
<tr>
<td>Film badge service for the period November 1, 1963, through June 30, 1965, for determination of exposure to radioactive materials to all personnel so involved, under the direction and authority of the University Health Physicist as follows: 220 beta-gamma film badges every two weeks</td>
<td>Physics</td>
<td>Nuclear Chicago Corp., Des Plaines</td>
<td>7 210 00 f.o.b. delivered</td>
</tr>
<tr>
<td>26 beta-gamma film badges every week for nine months, September 18 to June 18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 beta-gamma finger (ring) badges every two weeks</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55 neutron-beta-gamma film badges every two weeks</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One double pass grating monochromator, with prisms to provide radiation of a single narrow wavelength region at the exit slit when &quot;white light&quot; sources are focused on the entrance slit and be compatible with existing equipment</td>
<td>Physics</td>
<td>The Perkin-Elmer Corp., La Grange</td>
<td>3 615 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Fabricate three special rotating periscopes with magnetic oxide coating on the rotating drums, with magnetic reading and writing heads attached to the frame of the drums, similar to those originally produced at the U. S. Atomic Energy Commission supported Lawrence Radiation Laboratory, University of California</td>
<td>Physics</td>
<td>Lawrence Radiation Laboratory, University of California, Berkeley, Calif.</td>
<td>8 625 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Eight plastic scintillators, all edges polished, 48 in. by 25 in. by 3/4 in. thick</td>
<td>Physics</td>
<td>Pilot Chemicals, Inc., Watertown, Mass.</td>
<td>3 200 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Thirty-five issues, 3,500 copies each, Channel 12 Newsletter, for Station WILL, two pages (one sheet), 8 1/2 in. by 11 in., printed both sides</td>
<td>Television</td>
<td>Fleming Printing Co., Champaign</td>
<td>3 220 00 f.o.b. delivered</td>
</tr>
</tbody>
</table>
Item
Lease eighteen films, 16 mm. color, for ten-year period, and purchase one film, 16 mm., color

Department
Visual Aids Service
McKinley Hospital

Vendor
Walt Disney 16 mm. Films, Park Ridge
Coulter Electronic Sales Co., Chicago

Cost
$4,645.00 f.o.b. delivered

One counter to measure density of solutions, count and determine the size of blood cells, complete with vacuum pump, aperture tube, manometer, stand, and one automatic diluter for use with above; equipment to be used in general hospital blood work

Agriculture Administration
Office Supply Storeroom

Print and bind 18,000 copies Illinois Farm Record Book, Part I

750 cases napkins, paper, size 12 in. by 13 in., packed 12,000 per case
300 cases napkins, paper, size 12 in. by 16 1/4 in., packed 7,500 per case
For Office Supply Storeroom stock; an estimated ten to twelve months' supply

Physical Plant
Physical Plant
Animal Science

700 cartons tile, acoustical, fissured mineral type, incombustible, to be stocked by the Physical Plant Storeroom for use on jobs on the Urbana campus
Eight air handling units each with a ventilating capacity of 4000 cubic feet per minute with filter units and heating coils; units are required for proper use of laboratory space in Chemistry Annex during the winter months
One spectrophotometer, atomic absorption, including burner, photo-multiplier detector, digital readout, control box, cathode ray lamps and mounting brackets, to be used for analysis of mineral content in animal tissue and ralion ingredients

One lot of component parts for the ultra high vacuum equipment consisting of vacuum chambers, flanges, gaskets, ion gauge controls, power supplies, feed throughs, elbows, tees, bake out units, viewing parts, and special nuts and bolts, to be used to build additional vacuum capacity around existing equipment

One lot of laboratory equipment and apparatus consisting of ten analytical balances, two photometers, 1,752 assorted polyethylene bottles, 144 test tube supports, and sixty pairs disposable polyethylene gloves; this equipment is for stock in the General Chemical Stores (a three months' supply) and for the Department of Chemistry and Chemical Engineering

Food Science

40,000 tolbutamide tablets, 0.5 gm., a drug used in the control of diabetes; this is a six months' supply of the item

One electrophoresis diffusion instrument capable of simultaneous and independent operation of three cells complete with three diffusion cells and rack assemblies

One chromatography-radioactivity analysis system, including a gas chromatograph for isothermal or temperature programming, one high temperature flow chamber with a rigid coaxial line, and one recorder
Item | Department | Vendor | Cost
--- | --- | --- | ---
160 steel bookshelf units, each 36 in. wide by 94 in. deep by 84 in. high | Office Supply Storeroom | The Interior Steel Equipment Co., Bloomington | $ 5 196 80 f.o.b. delivered
Furnish and install padding and carpeting on the main floor and balcony of the Recital Hall in Smith Music Hall | Physical Plant | De Sitter Brothers, Chicago | 5 079 90 f.o.b. delivered and installed
Furnish and install four electric door operators, two right hand and two left hand, at the southeast and southwest entrances of the Pennsylvania Avenue Residence Halls | Physical Plant | JED Products Co., Royal Oak, Mich. | 4 483 00 f.o.b. delivered and installed
Eighty-eight temperature control items to be used by the Physical Plant Department in the installation of control equipment for ventilation in the Chemistry Annex | Physical Plant | Johnson Service Co., Urbana | 2 674 80 f.o.b. delivered

On motion of Mr. Johnston, these purchases were authorized.

COMPTROLLER’S REPORT OF CONTRACTS
(19) The Comptroller’s report of contracts executed during the period September 1 to 30, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>State of Illinois Department of Mental Health Project 17-121</td>
<td>Psychiatric residency training program</td>
<td>$ 5 000 00</td>
<td>July 15, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Mental Health Project 17-187</td>
<td>Assessment of parent child-rearing practices in clinic and nonclinic families</td>
<td>35 366 00</td>
<td>September 1, 1963</td>
</tr>
<tr>
<td>United States of America</td>
<td>Symphony orchestra tour of Latin America</td>
<td>178 203 00</td>
<td>June 14, 1963</td>
</tr>
<tr>
<td>United States Army DA49-193-MD-2481</td>
<td>Chemistry and mechanism of action of potential anti-viral agents</td>
<td>12 976 00</td>
<td>August 1, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-4-10-058</td>
<td>Sequential social sciences courses for the secondary schools</td>
<td>250 000 00</td>
<td>September 15, 1963</td>
</tr>
<tr>
<td>United States of America Agency for International Development AID-ale-132</td>
<td>Establish and develop Njalla College at Njalla, Sierra Leone</td>
<td>1 039 913 00</td>
<td>August 16, 1963</td>
</tr>
<tr>
<td>United States of America Agency for International Development AID-nse-64</td>
<td>Render technical advice and assistance to the Ministry of Agriculture of the Government of Jordan</td>
<td>153 520 00</td>
<td>September 6, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$1 719 978 00</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allan Sherman Enterprises, Inc.</td>
<td>Perform an engagement at the Assembly Hall, September 28, 1963</td>
<td>$1 500 00</td>
<td>August 29, 1963</td>
</tr>
<tr>
<td>State’s Attorney of Douglas County</td>
<td>Payment in lieu of taxes, for services rendered (Hackett)</td>
<td>1 451 50</td>
<td>August 22, 1963</td>
</tr>
<tr>
<td>State’s Attorney of La Salle County</td>
<td>Payment in lieu of taxes, for services rendered (Weber)</td>
<td>3 634 77</td>
<td>August 1, 1963</td>
</tr>
<tr>
<td>State’s Attorney of Piatt County</td>
<td>Payment in lieu of taxes, for services rendered (Allerton and Warren)</td>
<td>12 587 67</td>
<td>August 21, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$29 173 94</td>
<td></td>
</tr>
</tbody>
</table>

Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sherman McCord</td>
<td>Rental of second-floor apartment of Burt house (Airport) from September 1, 1963, to August 31, 1964</td>
<td>$ 960 00 (annual rental)</td>
<td>September 1, 1963</td>
</tr>
</tbody>
</table>
### BOARD OF TRUSTEES

**With Whom**

<table>
<thead>
<tr>
<th>Name</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peter E. Meyer</td>
<td>Rental of first-floor apartment of Burt house (Airport) from September 1, 1963, to August 31, 1964</td>
<td>$1,980.00</td>
<td>September 1, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$1,980.00</td>
<td></td>
</tr>
<tr>
<td><strong>With Whom</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City of Chicago</td>
<td>Rental of Navy Pier building from July 1, 1963, to December 31, 1964</td>
<td>$242,010.00 (13,445.00 per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>City of Chicago</td>
<td>Rental of Drill Hall adjacent to Navy Pier from July 1, 1963, to June 30, 1965, for Student Activity Building</td>
<td>62,000.16 (2,583.34 per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Mrs. Eunice C. Creamer and Mr. Newton M. Cunningham</td>
<td>Rental of room 200, 627½ South Wright Street, Champaign, from July 1, 1963, to June 30, 1965, for Provost’s Office</td>
<td>3,840.00 (160.00 per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Dixon National Bank</td>
<td>Rental of room 20, 101 First Street, Dixon, from September 1, 1963, to June 30, 1964, for Extension Division</td>
<td>400.00 (40.00 per month)</td>
<td>September 1, 1963</td>
</tr>
<tr>
<td>Kathleen F. Gallivan</td>
<td>Rental of second floor northwest storage room, 26 East Springfield Avenue, Champaign, from July 1, 1961, to June 30, 1962, for Department of Art</td>
<td>129.60</td>
<td>July 1, 1961</td>
</tr>
<tr>
<td>Albert N. Gregerson and Beatrice E. Gregerson</td>
<td>Rental of property at 1112 West California Avenue, Urbana, from September 1, 1963, to January 31, 1964, for Housing Division</td>
<td>2,485.00</td>
<td>September 1, 1963</td>
</tr>
<tr>
<td>International Business Machines Corp.</td>
<td>One item: conversion of eight-tape units from model number II to model number V</td>
<td>4,020.00</td>
<td>March 4, 1963</td>
</tr>
<tr>
<td>Mrs. Rosemund Lowry</td>
<td>Rental of property at 1007 South Fifth Street, Champaign, from September 1, 1963, to January 31, 1964, for Housing Division</td>
<td>2,475.00</td>
<td>September 1, 1963</td>
</tr>
<tr>
<td>Riley J. McCulley</td>
<td>Rental of property at 107 West California Avenue, Urbana, from September 8, 1963, to August 31, 1964, for Housing Division</td>
<td>18,000.00</td>
<td>September 8, 1963</td>
</tr>
<tr>
<td>B. A. Strauch</td>
<td>Rental of space at 707-709 South Wright Street, Champaign, from July 1, 1963, to June 30, 1964, for Commerce and Business Administration</td>
<td>2,400.00 (200.00 per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>University of Illinois Foundation</td>
<td>Rental of Hott Memorial Center, Monticello, from July 1, 1963, to June 30, 1965, as an extension of Robert Allerton Park</td>
<td>24,000.00 (6,000.00 semiannually plus interest)</td>
<td>July 5, 1963</td>
</tr>
<tr>
<td>University of Illinois Foundation</td>
<td>Rental of Goodwin Avenue apartments located at Southeast corner of Green Street and Goodwin Avenue, Urbana, from July 1, 1963, to June 30, 1965, for Housing Division</td>
<td>114,280.00 (14,285.00 per quarter)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>University of Illinois Foundation</td>
<td>Rental of 129 North Race Street, Urbana, from July 1, 1963, to June 30, 1965, for Psychology Department</td>
<td>20,424.00 (851.00 per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Cyrus W. Vaughn</td>
<td>Rental of 1102-A West Main Street, Urbana, from July 1, 1963 to June 30, 1964 for Education and University High School</td>
<td>1,920.00 (160.00 per month)</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$498,383.76</td>
<td></td>
</tr>
</tbody>
</table>

### Contract Changes

**With Whom**

<table>
<thead>
<tr>
<th>Name</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amstead Research Laboratories</td>
<td>Properties of refractories</td>
<td>$30,000.00</td>
<td>August 12, 1963</td>
</tr>
</tbody>
</table>
Closing Faculty Meeting of the 1963-64 Academic Year

5 Scriveners Hall
April 29, 1964

The Vice President for Academic Affairs will present the report of the Finance Committee for the period from July 1, 1963 to February 28, 1964.

INVESTMENT REPORT

Report of the Finance Committee

(20) The Finance Committee reported the following changes in investments of endowment and other funds for the month of August, 1963:

**Ceramic Scholarship Fund**

**Sale**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5,000</td>
<td>11/15/64</td>
<td>U.S. Treasury Notes 33/4</td>
</tr>
</tbody>
</table>

**Exchange**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5,000</td>
<td>8/15/63</td>
<td>U.S. Treasury Bonds 21/2</td>
</tr>
<tr>
<td>$5,000</td>
<td>11/15/64</td>
<td>U.S. Treasury Notes 33/4</td>
</tr>
</tbody>
</table>

**Purchase**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5,000</td>
<td>8/15/72</td>
<td>U.S. Treasury Bonds 4</td>
</tr>
</tbody>
</table>

**Duke Fund**

**Sale**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15,000</td>
<td>11/15/64</td>
<td>U.S. Treasury Notes 33/4</td>
</tr>
</tbody>
</table>

**Exchange**

<table>
<thead>
<tr>
<th>Amount</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15,000</td>
<td>8/15/63</td>
<td>U.S. Treasury Bonds 21/2</td>
</tr>
<tr>
<td>$15,000</td>
<td>11/15/64</td>
<td>U.S. Treasury Notes 33/4</td>
</tr>
</tbody>
</table>

This report was received for record.
**Kinley Fund**

Sale
- 1,000 U. S. Treasury Notes 3¾ 11/15/64 $ 1,001.41

Exchange
- 1,000 U. S. Treasury Bonds 2½ 8/15/63 for
- 1,000 U. S. Treasury Notes 3¾ 11/15/64

Purchase
- 1,000 U. S. Treasury Bonds 4 2/15/80 $ 1,001.56

**Noyes Fund**

Sale
- 10,000 U. S. Treasury Notes 3¾ 11/15/64 $ 10,014.06

Exchange
- 10,000 U. S. Treasury Bonds 2½ 8/15/63 for
- 10,000 U. S. Treasury Notes 3¾ 11/15/64

Purchase
- 10,000 U. S. Treasury Bonds 4 2/15/80 $ 10,015.63

**Chicago — Beneficial Interest in Trust**

Exchange
- 178,000 U. S. Treasury Cfs 3½ 8/15/63 for
- 178,000 U. S. Treasury Notes 3¾ 11/15/64

Purchase
- 3,000 U. S. Treasury Notes 3¾ 11/15/64 $ 3,007.50
- 8,000 U. S. Treasury Bonds 2½ 2/15/65 $ 7,935.00

**Report of the Comptroller**

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

**Current Funds**

Restricted Group (June 20, 1962)

Sale
- 67,000 U. S. Treasury Notes 3¾ 11/15/64 $ 67,094.22

Exchange
- 67,000 U. S. Treasury Bonds 2½ 8/15/63 for
- 67,000 U. S. Treasury Notes 3¾ 11/15/64

**Agency Funds**

University of Andes (June 20, 1962)

Sale
- 1,000 U. S. Treasury Notes 3¾ 11/15/64 $ 1,001.41

Exchange
- 1,000 U. S. Treasury Bonds 2½ 8/15/63 for
- 1,000 U. S. Treasury Notes 3¾ 11/15/64

**Construction Funds**

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase
- 265,000 U. S. Treasury Bills 12/12/63 $ 262,194.39

Chicago — Congress Circle Union (June 19, 1963)

Purchase
- 310,000 U. S. Treasury Bills 9/19/63 $ 547,844.00
- 220,000 U. S. Treasury Bills 10/10/63 218,675.97
- 340,000 U. S. Treasury Bills 11/14/63 336,876.53
- 315,000 U. S. Treasury Bills 12/19/63 311,132.33
- 260,000 U. S. Treasury Bills 1/15/64 256,043.67
- 895,000 U. S. Treasury Bills 4/15/64 873,404.15
- 7,610,000 U. S. Treasury Bills 7/15/64 7,356,942.16

Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)

Purchase
- 100,000 U. S. Treasury Bills 1/16/64 $ 98,304.00
<table>
<thead>
<tr>
<th>Purchase/</th>
<th>$</th>
<th>U.S. Treasury Notes/</th>
<th>Rate</th>
<th>Date</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illini Union and Health Center (December 21, 1960)</td>
<td>$212,000</td>
<td>U.S. Treasury Bills</td>
<td>12/12/63</td>
<td>$209,769.41</td>
<td></td>
</tr>
<tr>
<td></td>
<td>23,000</td>
<td>U.S. Treasury Bills</td>
<td>1/2/64</td>
<td>22,677.43</td>
<td></td>
</tr>
<tr>
<td>Illinois Street Residence Halls (October 17, 1962)</td>
<td>$670,000</td>
<td>U.S. Treasury Notes</td>
<td>11/15/64</td>
<td>$670,837.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>670,000</td>
<td>U.S. Treasury Notes</td>
<td>3%</td>
<td>8/15/63 for</td>
<td>11/15/64</td>
</tr>
<tr>
<td></td>
<td>30,000</td>
<td>U.S. Treasury Bills</td>
<td>1/2/64</td>
<td>29,579.25</td>
<td></td>
</tr>
<tr>
<td>Orchard Downs and SG-2 (June 14, 1960)</td>
<td>$141,000</td>
<td>U.S. Treasury Bills</td>
<td>11/14/63</td>
<td>$139,840.28</td>
<td></td>
</tr>
<tr>
<td>Orchard Downs Addition (May 24, 1962)</td>
<td>$495,000</td>
<td>U.S. Treasury Notes</td>
<td>11/15/64</td>
<td>$495,618.75</td>
<td></td>
</tr>
<tr>
<td></td>
<td>495,000</td>
<td>U.S. Treasury Bonds</td>
<td>1/2/64</td>
<td>3%</td>
<td>11/15/64</td>
</tr>
<tr>
<td></td>
<td>193,000</td>
<td>U.S. Treasury Bills</td>
<td>10/17/63</td>
<td>191,929.71</td>
<td></td>
</tr>
<tr>
<td></td>
<td>193,000</td>
<td>U.S. Treasury Bills</td>
<td>11/14/63</td>
<td>191,812.58</td>
<td></td>
</tr>
<tr>
<td>Pennsylvania Avenue (June 21, 1961)</td>
<td>$18,000</td>
<td>U.S. Treasury Bills</td>
<td>10/15/63</td>
<td>$17,887.15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>67,000</td>
<td>U.S. Treasury Bills</td>
<td>10/17/63</td>
<td>66,627.29</td>
<td></td>
</tr>
<tr>
<td>Student Services (May 17, 1961)</td>
<td>$7,000</td>
<td>U.S. Treasury Bills</td>
<td>10/15/63</td>
<td>$6,956.11</td>
<td></td>
</tr>
<tr>
<td>Sinking Funds</td>
<td>$196,000</td>
<td>U.S. Treasury Bills</td>
<td>9/19/63</td>
<td>$195,231.68</td>
<td></td>
</tr>
<tr>
<td></td>
<td>810,000</td>
<td>U.S. Treasury Bills</td>
<td>7/15/64</td>
<td>783,004.81</td>
<td></td>
</tr>
<tr>
<td>Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)</td>
<td>$35,000</td>
<td>U.S. Treasury Bonds</td>
<td>8/15/63 and</td>
<td>8/15/63 for</td>
<td></td>
</tr>
<tr>
<td></td>
<td>111,000</td>
<td>U.S. Treasury Bills</td>
<td>8/15/63 for</td>
<td>3%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>35,000</td>
<td>U.S. Treasury Notes</td>
<td>11/15/64</td>
<td>11/15/64</td>
<td></td>
</tr>
<tr>
<td></td>
<td>796,000</td>
<td>U.S. Treasury Bills</td>
<td>9/19/63</td>
<td>$793,873.95</td>
<td></td>
</tr>
<tr>
<td></td>
<td>442,000</td>
<td>U.S. Treasury Bills</td>
<td>2/6/64</td>
<td>434,510.92</td>
<td></td>
</tr>
<tr>
<td></td>
<td>323,000</td>
<td>U.S. Treasury Bills</td>
<td>7/15/64</td>
<td>312,444.63</td>
<td></td>
</tr>
<tr>
<td>Illini Union and Health Center (December 21, 1960)</td>
<td>$284,000</td>
<td>U.S. Treasury Bills</td>
<td>9/19/63</td>
<td>$283,062.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>141,000</td>
<td>U.S. Treasury Bills</td>
<td>11/29/63</td>
<td>139,782.07</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,000</td>
<td>U.S. Treasury Bills</td>
<td>1/30/64</td>
<td>5,907.38</td>
<td></td>
</tr>
<tr>
<td></td>
<td>22,000</td>
<td>U.S. Treasury Bills</td>
<td>8/31/64</td>
<td>21,214.71</td>
<td></td>
</tr>
</tbody>
</table>
Men’s Residence Halls of 1956 (March 23 and September 18, 1956)
Sale
$ 44 000 U. S. Treasury Notes 3½% 11/15/64 $ 44 061 88
Exchange
$ 44 000 U. S. Treasury Bonds 2½% 8/15/63 for
44 000 U. S. Treasury Notes 3½% 11/15/64
Purchase
$ 44 000 U. S. Treasury Bills 9/19/63 $ 43 887 09
37 000 U. S. Treasury Notes 3½% 8/15/64 37 080 94

Men’s Residence Halls of 1957 (March 12, 1957, and November 18, 1959)
Sale
$ 118 000 U. S. Treasury Notes 3½% 11/15/64 $ 118 000 00
Exchange
$ 118 000 U. S. Treasury Bonds 2½% 8/15/63 for
118 000 U. S. Treasury Notes 3½% 11/15/64
Purchase
$ 100 000 U. S. Treasury Notes 3½% 8/15/64 $ 100 281 25
93 000 U. S. Treasury Bonds 2½% 2/15/65 91 953 75

Student Services (May 17, 1961)
Purchase
$ 27 000 U. S. Treasury Bills 9/19/63 $ 26 922 17
31 000 U. S. Treasury Bills 1/30/64 30 494 18

Women’s Residence Halls of 1956 (September 18, 1956, and February 15, 1961)
Sale
$ 100 000 U. S. Treasury Notes 3½% 11/15/64 $ 100 140 63
Exchange
$ 100 000 U. S. Treasury Bonds 2½% 8/15/63 for
100 000 U. S. Treasury Notes 3½% 11/15/64
Purchase
$ 100 000 U. S. Treasury Bills 9/19/63 $ 99 743 39
32 000 U. S. Treasury Bonds 2½% 2/15/65 31 610 00
50 000 U. S. Treasury Notes 4% 5/15/65 50 875 00

On motion of Mr. Williamson, this report was received for record.

REPORT ON "A MAJOR STREET AND HIGHWAY PLAN FOR THE CHAMPAIGN-URBANA AREA"

(21) In March, 1961, "A Major Street and Highway Plan for the Champaign-Urbana Urban Area" was presented to local government and University officials and other interested parties of the community. This report had been prepared for the Illinois Division of Highways by the firm of Harland Bartholomew and Associates, St. Louis, Missouri.

The Plan has been studied extensively by various units concerned in the University and a report of University reactions has subsequently been made to both the cities of Champaign and Urbana. A copy is being filed with the Secretary of the Board.

The city of Champaign has officially approved and adopted the report for future planning. The city of Urbana is in the process of doing so.

It is now recommended that the Board of Trustees approve in principle "A Major Street and Highway Plan for the Champaign-Urbana Area" for planning purposes, and the University’s participation in the planning organization to be established for this area, which organization is required by the Federal-Aid Highway Act of 1962.

At the request of President Henry, the foregoing recommendation was presented by Director C. S. Havens of the Physical Plant Department, and Dr. John E. Baerwald, Director of Highway Traffic Safety Center and Professor of Traffic Engineering. Professor Baerwald discussed the plan in detail, illustrating his presentation with slides.

On motion of Mr. Johnston, the recommendations were approved.
DEGREES CONFERRED IN OCTOBER

The Secretary presented for record the following list of degrees conferred at Urbana as of October 15, 1963, on recommendation of the Urbana-Champaign Senate.

Summary

Degrees in the Graduate College, conferred at Urbana:

- Doctor of Philosophy ................................................ 167
- Doctor of Education .................................................. 10
- Doctor of Musical Arts ............................................... 2
- Master of Arts ....................................................... 24
- Master of Science ................................................... 55
- Master of Music ...................................................... 2
- Master of Education ................................................ 4
- Master of Accounting Science ..................................... 1
- Advanced Certificate in Education ................................. 1

Total, Graduate College .............................................. (226)

Degrees in Veterinary Medicine, conferred at Urbana:
- Bachelor of Science ................................................ 3

Baccalaureate Degrees, conferred at Urbana:

- Bachelor of Science, College of Agriculture .................. 2
- Bachelor of Science, College of Engineering ................. 7
- Bachelor of Arts, College of Liberal Arts and Sciences .... 7
- Bachelor of Science, College of Liberal Arts and Sciences .. 3
- Bachelor of Science, College of Education .................. 2
- Bachelor of Science, College of Commerce and Business Administration ... 5
- Bachelor of Music, College of Fine and Applied Arts ....... 1
- Bachelor of Science, College of Physical Education ....... 1

Total, Baccalaureate Degrees .................................... (31)
Total, Degrees Conferred at Urbana .................................... 257

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Agronomy

Ram Dewan Sinha, B.S., Patna University, 1951; M.S., 1961

In Animal Nutrition

Hemmige Narasimhachar Bhagavan, Diploma, Indian Institute of Science, 1957; B.S., University of Mysore, 1958

In Animal Science

William Foster Dean, Jr., B.S.A., M.S., University of Arkansas, 1956, 1957
Wayne Merrill Durland, B.S., Illinois State Normal University, 1959; M.S., 1961
John Allen Resko, A.B., St. Charles Seminary, 1955; M.S., Marquette University, 1960
Robert Ewing Smith, B.S., M.S., McGill University, 1955, 1957

In Botany

Fakhri Abdul Latif Bazzaz, Licence, Teachers Training College (Baghdad, Iraq), 1953; M.S., 1960
Charles Lindley Kemp, A.B., M.S., University of British Columbia, 1957, 1960
Barbara Jean Kieckhefer, B.S., University of Wisconsin, 1959; M.S., 1961
Richard Regis Runge, B.S., M.S., 1953, 1954

In Business

Robert Edward Coffey, A.B., Principia College, 1953; M.B.A., Northwestern University, 1958
Arthur Adelbert Done, B.S., M.B.A., University of Utah, 1955, 1956
Marvin Gene Newport, B.S., Eastern Illinois University, 1957; M.S., 1961
In Ceramic Engineering
ROY EDWARD BICKELHAUPT, B.S., 1950; M.Met.E., Rensselaer Polytechnic Institute, 1959
RICHARD JOSEPH HERBST, B.S., M.S., 1958, 1960

In Chemical Engineering
RITCHIE DEANE MIKESELL, B.S., M.S., Rose Polytechnic Institute, 1955, 1958

In Chemistry
WILLIAM SCOTT CHILTON, B.S., Duke University, 1955
VICTOR FREDERICK GERMAN, B.S., University of Richmond, 1958
ROBERT LOUIS GERTEIS, B.S., Municipal University of Wichita, 1958; M.S., 1961
WEI-TSE HSIEH, B.S., National Taiwan University, 1956; M.S., 1960
CYNTHIA SANTOS JUAN, B.S., University of the Philippines, 1958; M.S., 1961
WILLIAM GEORGE KOCH, B.S., University of Notre Dame, 1947; A.M., Montana State University, 1953
CHUN-YEN LAI, B.S., M.S., National Taiwan University, 1954, 1957
JOHN ROBERT MARQUART, B.S., University of Arizona, 1955; M.S., 1961
CHARLES GORDON McCARTY, B.S., M.S., University of Wichita, 1957, 1959
RICHARD ADLIN MEYER, B.S., M.S., Northeastern University, 1958, 1959
EDWARD LAFARTE SAFFORD, B.S., Northern Illinois University, 1958; M.S., 1960
JOSEPH HERMAN SCHAEUELE, B.S., M.S., Western Illinois University, 1954, 1956
JOHN EDWARD SCHULTZ, A.B., Westminster College, 1958
ROGER SEARLE, A.B., Oberlin College, 1958
CHARLES KENDALL STEINHARDT, B.S., University of Wisconsin, 1957
JOHN CLIFFORD SUMMERS, A.B., Augustana College, 1958
GERALD JAY TENNENHOUSE, B.S., M.S., Wayne State University, 1959, 1960
FLORIS YUNG TSANG, B.S., University of California (Berkeley), 1960
JAMES RONALD VAN HISE, B.S., Walla Walla College, 1959

In Civil Engineering
RICHARD HUGH BIGELOW, B.S., Michigan State College, 1941; M.S., North Carolina State College of Agriculture and Engineering, 1955
WILLIAM FINCH CARROLL, B.S., United States Military Academy, 1957; M.S., 1961
ALLEN FREDERICK DILL, B.S., United States Naval Academy, 1946; B.C.E., M.C.E., Rensselaer Polytechnic Institute, 1949, 1950
ATEF AHMED EL SAYED EL-ASSAL, B.C.E., Cairo University, 1956; M.S., 1961
PETER Gergely, B.Eng., McGill University, 1960; M.S., 1962
GORDON GRACE, B.A. Sc., University of Toronto, 1952
JOHN THOMAS HANLEY, B.S., M.S., Dartmouth College, 1947, 1948
ALFRED JOSEPH HENDRON, Jr., B.S., M.S., 1959, 1960
JAMES OTIS JIRSA, B.S., University of Nebraska, 1960; M.S., 1962
NAT WETZEL KRAHL, A.B., B.S., The Rice Institute, 1942, 1943; M.S., 1950
JOHN HENRY LAMB, Jr., B.S., M.S., 1956, 1959
AHMED KHAIRY NOOR, B.C.E., Cairo University, 1958; M.S., 1961
WILLIAM JAMES NORDELL, B.S., M.S., 1958, 1959
LOUIS GEORGE PETRO, B.C.E., Clarkson College of Technology, 1949; M.C.E., Brooklyn Polytechnic Institute, 1954
RICHARD BOYKIN POOL, B.S., University of South Carolina, 1942; M.S., Georgia Institute of Technology, 1952
CHARLES MATTHEW RADLER, B.S., United States Military Academy, 1957; M.S., 1962
JOHN CORNELIUS SIEMENS, B.S., University of California (Berkeley), 1957; M.S., 1958
SILVIO JOSEPH SPICOLI, B.S., University of Mississippi, 1951, 1956
WILLIAM HAMILTON WALKER, B.S., University of Massachusetts, 1956; M.S., 1958

In Classical Philology
ELVIS OTHA WINGO, A.B., Mississippi College, 1955; A.M., 1956

In Communications
ROBERT JOSEPH GWYN, B.F.A., A.M., University of Texas, 1948, 1953
JACK SCHWARTZ, A.B., Temple University, 1954; A.M., University of Chicago, 1958

YASUMASA TANAKA, A.B., Gakushuin University, 1954; A.M., 1961

WILLIAM WEKSEL, A.B., Queens College, 1958; A.M., 1959

In Dairy Science

JOEL SUNRISE TRUPIN, B.S., M.N.S., Cornell University, 1954, 1956

In Economics

ROBERT WILFORD BECKSTEAD, B.S., M.B.A., University of Utah, 1955, 1956

ROBERT EDWARD COLEBERD, Jr., A.B., William Jewell College, 1953; M.B.A., Cornell University, 1957; A.M., 1961

JOHN WILLIAM ELLERT, A.B., Wheaton College, 1950; M.S., Northern Illinois University, 1958

ROBERT FERDINAND SEVIERSON, Jr., B.S., A.M., 1958, 1960

ARTHUR LLOYD WELSH, B.S.C., A.M., Ohio University, 1958, 1960

In Education

MILTON LEON ADLER, B.S., Rutgers University, 1951; M.S., City College of New York, 1952

WAYNE WALLACE ANTELEN, B.S., M.S., Illinois State Normal University, 1953, 1957

ELMER EARL FERRIER, A.B., University of Michigan, 1950; A.M., University of Alabama, 1953

GERALD LEW LARSON, B.S., M.S., Indiana University, 1956, 1957

DALE EDWARD MATTHEWS, A.B., Colorado College, 1959; A.M., 1961


In Electrical Engineering


JAMES PETER BOBIS, B.S., M.S., 1958, 1959

BRUCE EDWIN BIRLEY, B.S., M.S., 1958, 1959

MAX STUART CASLER, B.S., M.S., 1950, 1951

DALE M. DIAMOND, B.S., University of Utah, 1957; M.S., 1961

WILLIAM DONALD FRAZER, B.S.E., Princeton University, 1959; M.S., 1961

HENRY GUCKEL, B.S., University of Buffalo, 1958; M.S., 1960

CASSIDY ALBERT HESSELBERTH, B.S., M.S., 1957, 1958

Jaan KRUSE, B.A.Sc., University of Toronto, 1959; M.S., 1961

RAMAKRISHNA NARAYANASAMY, B.Eng., University of Madras, 1956; M.S., 1960

MATTHEW JOSEPH REMEC, B.S., M.S. (E.E.), M.S. (Math.), University of Wisconsin, 1957, 1958

JAMES ALBERT RUSH, B.S., Michigan State University, 1959; M.S., 1961

In English

MICHAEL JOSEPH COLACURCIO, Jr., A.B., A.M., Xavier University, 1958, 1959

MARY JEAN DEMARR, A.B., Lawrence College, 1954; A.M., 1957

ROBERT WILLIAM LEWIS, Jr., A.B., University of Pittsburgh, 1952; A.M., Columbia University, 1958

JOSEPH EDMUNO MILOSH, Jr., A.B., St. Edward's University, 1958; A.M., 1960

In Entomology

FRANCISCO PACHECO, Ing.Agr., National School of Agriculture (Mexico), 1952; M.S., University of Massachusetts, 1955

In Food Science

FRANCIS FREDRIK BUSTA, A.B., M.S., University of Minnesota, 1957, 1961


EDWARD CLARENCE GROESCHEL, Jr., B.S., Illinois Institute of Technology, 1958; M.S., 1962

CHAIM GUR-ARIEH, B.S., Technion-Israel Institute of Technology, 1960; M.S., 1962

In Geology
Paul David Fullagar, A.B., Columbia University, 1960
Elizabeth Jean Hanagan, A.B., Southern Illinois University, 1954; A.M., University of Wyoming, 1957
Constantine Thomas Manos, B.S., City College of New York, 1958; M.S., 1960
Rubini Soeria-Atmadja, B.S., M.S., University of Indonesia, 1957, 1958
Daniel Andrew Textoris, A.B., Western Reserve University, 1958; M.S., Ohio State University, 1960

In History
Elizabeth Chidester Duran, A.B., College of the Pacific, 1952; A.M., Fletcher School of Law and Diplomacy, 1956
John Edward Hodge, B.S., College of Charleston, 1959; A.M., 1960
Robert Alfred Waller, A.B., Lake Forest College, 1953; A.M., 1958

In Horticulture
John Edward Love, B.S., M.S., Louisiana State University and Agricultural and Mechanical College, 1958, 1960

In Library Science
Herbert Lyman Searcy, A.B., Eastern Kentucky State College, 1946; A.M., Ohio State University, 1948; M.S., 1954

In Mathematics
Earl Owen Embree, B.S., Morgan State College, 1950; M.S., 1952
Clinton Ross Foulk, A.B., University of Kansas, 1951; A.M., 1958
Vytais Brutus Gyllys, B.S., Roosevelt University, 1951; M.S., Northwestern University, 1953
Adnan Farhan Ifram, B.S., American University of Beirut, 1959; M.S., 1961
George Thomas Rublein, B.S., St. Mary's University of San Antonio, 1957; M.S., 1958
Harris Westcott Vayo, A.B., Culver-Stockton College, 1957; M.S., 1959
Robert Martin Vogt, B.S., M.S., 1956, 1958

In Mechanical Engineering
William James Battin, B.S., Swarthmore College, 1950; M.S.E., Princeton University, 1955
Arthur Marvin Clausing, B.S., Valparaiso University, 1958; M.S., 1960
John Bruce Miles, B.S., M.S., University of Missouri School of Mines and Metallurgy, 1955, 1957
Chor-Weng Tan, B.S., Evansville College, 1959; M.S., 1961
Robert Allan White, B.S., M.S., 1957, 1959

In Metallurgical Engineering
Robert Jay Block, B.S., Massachusetts Institute of Technology, 1956; M.S., Columbia University, 1958

In Microbiology
Roar Leif Irgens, B.S., 1957
William John Mandy, B.S., Elmhurst College, 1958; M.S., University of Houston, 1962
Saul Allen Yankofsky, B.S., 1959
UNIVERSITY OF ILLINOIS

1963]

In Philosophy
SANDRA SCHWARTZ BARTKY, A.B., A.M., 1955, 1959
DON DAVIS ROBERTS, A.B., Roosevelt University, 1956; A.M., 1958

In Physical Education
KENNETH STEVENS CLARKE, B.S., George Williams College, 1953; M.S., 1957
JAMES STANFORD SKINNER, B.S., M.S., 1958, 1960

In Physics
BARRY LOUIS Berman, A.B., Harvard College, 1957; M.S., 1959
ROBERT DARROW FOUCHAUX, A.B., B.S., Lehigh University, 1956, 1956; M.S., 1958
GORDON LEON KANE, A.B., University of Minnesota, 1958; M.S., 1961
JAMES DAVID LESLIE, B.A.Sc., University of Toronto, 1957; M.S., 1960
FRED MARCUS LURE, B.S., University of North Carolina, 1952; M.S., 1957
KONG KE MIN, A.B., Amherst College, 1957; M.S., 1959
CHARLES HERBERT NEUMAN, B.S., California Institute of Technology, 1958; M.S., 1960

In Physiology
JOHN EDWARD GREENLEAF, B.S., A.M., New Mexico Highlands University, 1956; M.S., 1962
JOHN ANTHONY NICOLETTE, A.B., Dartmouth College, 1956; M.S., 1960
DONALD THEODORE PALS, A.B., Calvin College, 1956; M.S., 1960

In Political Science
THAD LEWIS BEYLE, A.B., A.M., Syracuse University, 1956, 1960
ROBERT DON HEDORN, A.B., Lawrence College, 1959; A.M., 1960
LOIS MORRELL PELEKOUADAS, B.S., Wisconsin State College (Eau Claire), 1956; A.M., 1958

In Psychology
ALAN RONALD BASS, A.B., Washington University, 1953; A.M., 1959
LAWRENCE RAYMOND BOULTER, A.B., University of British Columbia, 1959
FRANKLIN HOWARD GROFF, B.S., 1956
JAMES WILLIAM JULIAN, A.B., Michigan State University, 1955; A.M., 1960
JOSEPH LEVIN, A.B., Hebrew University (Jerusalem), 1951
HALSEY HULBURT MATTESON, A.B., M.S., 1959, 1962
IRVIN MOELIS, A.B., 1957
DANIEL CRAIG O'CONNELL, A.B., Ph.L., A.M., S.T.L., St. Louis University, 1951, 1952, 1953, 1960

In Sociology
THOMAS JOSEPH DUGGAN, A.B., Ph.L., A.M., St. Louis University, 1957, 1958, 1959
PHILIP WOBBER MARDEN, A.B., Rutgers University, 1955; A.M., 1960
GEORGE ALLEN POWNALL, B.S., M.S., Illinois State Normal University, 1952, 1957
JOHN RAY STRATTON, A.B., A.M., 1957, 1959
BARBARA RUTH WILLIAMS, A.B., Austin College, 1954; A.M., 1957

In Speech
LARRY DALE CLARK, B.S., Southwest Missouri State College, 1956; A.M., University of Missouri, 1961
WILLIAM SCOTT CRAIG, A.B., College of Wooster, 1956; A.M., 1957
THEODORE HERSTAND, A.B., A.M., State University of Iowa, 1953, 1957
ROBERT KENNEDY SIMPSON, B.S., Eastern Illinois University, 1950; M.S., 1955

In Theoretical and Applied Mechanics
NELSON ROBERT BAULD, JR., B.S., M.S., West Virginia University, 1958, 1960
LEE ROY CALCOTE, B.S., M.Eng., Agricultural and Mechanical College of Texas, 1948, 1952
JAMES MARTIN DOYLE, B.S., M.S., Iowa State University, 1956, 1960
JAMES LAFE HILL, B.S., University of Oklahoma, 1959; M.S., 1962
RALPH MARLAND VERETTE, B.S., M.S., Purdue University, 1960, 1961
J CHIH WANG, B.S., National Taiwan University, 1956; M.S., 1960
In Veterinary Medical Science
Robert Frank Locke, D.V.M., Agricultural and Mechanical College of Texas, 1942; M.P.H., University of Michigan, 1948

Degree of Doctor of Education

In Education
James Ferris Billingsley, A.B., A.M., University of Michigan, 1949, 1954
Delores May Curtis, B.S., Indiana State Teachers College, 1951; M.S., 1957
Wesley Lloyd Face, B.S., Northern State Teachers College (South Dakota), 1951; M.S., Stout State College, 1956
Daniel Lee Householder, B.S., M.S., Eastern Illinois University, 1954, 1957
Virginia Rose Moore, B.S., M.S., Central Missouri State College, 1949, 1950
John Joseph Twombly, B.Ed., Eastern Illinois University, 1934; A.M., Northwestern University, 1941
James Douglas Walden, B.Ed., Wisconsin State College (LaCrosse), 1951; M.S., University of Wisconsin, 1954

In Music Education
Janet Louise Van Matre Meyer, B.S., M.S., 1949, 1951
Marilyn Ruth Pfleiderer, B.Mus., Illinois Wesleyan University, 1951; M.S., 1955
Bennett Reimer, B.S., State University of New York College of Education (Fredonia), 1954; M.S., 1955

Degree of Doctor of Musical Arts
James Avery Hoffmann, B.Mus., New England Conservatory of Music, 1951; B.Mus., M.Mus., Yale University, 1952, 1953

Degree of Master of Arts

In Art History
Deborah Ann Jones, A.B., Elmira College, 1962

In Economics
Eugene Stanley Buino, B.S., DePaul University, 1962
Lawrence Arthur Rupley, A.B., Manchester College, 1962

In English
Anne Tropp, A.B., Cornell University, 1961

In French
Christina von Hülfhershausen Abella, A.B., 1962
Darryl Bruce Wilson, A.B., Augustana College, 1959

In History
Richard Wheeler Callender, A.B., 1959
Michael Francis Foley, Jr., A.B., American International College, 1961
James Harry Forse, A.B., State University of New York College of Education (Albany), 1962
Paul David Hébert, A.B., Knox College, 1961
Frederick Edward Laurenzo, A.B., Houghton College, 1961
James Russelle McCosh, A.B., 1953; B.D., Northern Baptist Theological Seminary, 1956
Glenn Osmond Nichols, A.B., Franklin and Marshall College, 1961
Jerome Richard Rosenberg, A.B., Knox College, 1959

In Labor and Industrial Relations
Philip Graber, B.S., 1961
George Robert Ittel, A.B., Amherst College, 1960
Allan David Silberman, A.B., Miami University, 1957

In Mathematics
Richard Karl Coburn, B.S., Utah State University, 1943
In Political Science
LOUIS SILVERSTEIN, B.B.A., College of the City of New York, 1962

In Psychology
STEPHEN LEWIS CARMEAN, A.B., 1960
JOHN EDWARD HUNTER, B.S., University of New Mexico, 1961
EVA DELLA MAURER, B.S., Illinois State Normal University, 1959

In Spanish
ARTHUR JOE PIANA, A.B., 1943
ALICE LUELLEN WATSON, A.B., Marietta College, 1961

Degree of Master of Science

In Accountancy
SAMUEL LEE BARNETT, B.S., Miami University, 1961
DONALD GLENNON HOHE, B.S., Washington University, 1958

In Advertising
DAVID PAUL WINKELMANN, B.S., 1961

In Agricultural Economics
HARRY JOSEPH BOURN, B.S., 1962
CHARLES EDWARD HARSHBARGER, Jr., B.S., 1962

In Agricultural Engineering
GARY LEE STAHL, B.S., 1962
JACK LYNN WOERNER, B.S., Washington State University, 1961

In Agronomy
DARRELL WAYNE NELSON, B.S., 1961
CHARLES DUANE SOPHER, B.S., Western Illinois University, 1961

In Ceramic Engineering
RONALD WILLIAM KNAKE, B.S., 1962

In Chemical Engineering
KLANE F FORSGREN, B.E.S., Brigham Young University, 1961
KENNETH WILLIAM HALEY, B.S., Stanford University, 1961
DEAN LE ROY ULRICHSON, B.S., University of Nebraska, 1962

In City Planning
DONALD EDGAR BAILEY, B.B.A., University of Wisconsin, 1953
RAYMOND CLIFFORD ROBINSON, Jr., B.Arch., Kent State University, 1961

In Civil Engineering
RONALD KEITH BREWER, B.S., 1962
ROBERT NANCE LESLIE, B.S., 1962

In Commercial Teaching
LOUIS HOWARD FLECK, B.S., 1953

In Dairy Science
DONALD CLARENCE BEITZ, B.S., 1962

In Dairy Technology
MUHSIN MOHAMMED ALI AL-SHABIBI, B.S., University of Bagdad, 1957

In Education
MARGARET ELIZABETH COSTLOW DYSON, B.S., South Dakota State College of Agriculture and Mechanic Arts, 1940
LAWRENCE THOMAS FRASE, A.B., University of Miami, 1960
DEVORE EUGENE KILLIP, B.S., D.D.S., 1945, 1947
ROGER ESMOND MARTIN, A.B., 1958
In Electrical Engineering
Kenneth Leroy Seib, B.S., Evansville College, 1960
Marvin Lee Wahl, B.S., 1962

In Finance
Fred Richard Diez, B.S., Elmhurst College, 1958
Ahmad Dauod Mohammad Issa, B.S., 1962

In Food Science
Samuel Anthony Palumbo, B.S., Loyola University, 1961
Vincent Theodore Rieck, B.S., 1962

In Geology
Gregory Thomas Spanksi, B.S., University of Missouri School of Mines and Metallurgy, 1961
Cynthia Roseman Wright, A.B., Augustana College, 1960

In Home Economics
Martha Jean Kielhorn Gaines, B.S., 1962
Jeanne Louise Hafstrom, B.S., 1958
Jane Elizabeth Humphrey, B.S., 1961
Delia Armida Navarrete, Graduate, University of Honduras, 1958
Anna Elizabeth Raubenheimer, B.S., 1963
Kay Marilyn Wesel, B.S., Western Illinois University, 1961

In Horticulture
Edward Law Rose, B.S., 1962

In Journalism
Russell Lee Herron, B.S., Eastern Illinois University, 1957

In Library Science
Najaf Ali Khan, B.S., Panjab University, 1956

In Management
Roger Duane Roderick, B.S., Eastern Illinois University, 1960

In Marketing
Frank Lupi, B.S., 1961

In Mathematics
Kyaw Mya Thein, B.S., M.S., 1959, 1961

In Metallurgical Engineering
Albert Gustav Jordan, B.S., Purdue University, 1962
Wei Tong Shier, Grad., Taiwan Provincial Taipei Institute of Technology, 1955; B.A.Sc., University of Toronto, 1961

In Physical Education

In Physics
John G. Huber, B.S., Stanford University, 1962

In Sanitary Engineering
Millard Wayne Hall, B.Eng., Vanderbilt University, 1962
Walter Neil Thomason, B.Eng., Vanderbilt University, 1962

In Theoretical and Applied Mechanics
Elmer Eugene Reis, Jr., B.S., 1962
Laxman Sakharam Sane, B.Eng., M. Eng., University of Poona, 1953, 1961
Sosrowinarso Sosrodiningrat, Doctor, Institute of Technology (Bandung), 1955

In Veterinary Medical Science
Saheb Singh Ahluwalia, B.S., M.S., Agra University, 1952, 1959
In Zoology
DAVID LEON STOCUM, A.B., Susquehanna University, 1961

Degree of Master of Music
DIXIE RODEHAVER BIELENBERG, B.Mus., 1961
CAROLYN SUE JACKSON, B.Mus., Indiana University, 1962

Degree of Master of Education
ROBERT EDWARD BURNS, A.B., Blackburn College, 1957
MARJORIE WALLER CARTER, B.S., Eastern Illinois University, 1951
KENNETH LEE GRAHAM, B.S., Memphis State University, 1960
DAVID MONK, B.S., Diploma, University of Sydney, 1955, 1956

Degree of Master of Accounting Science
GARY NEIL ERVIN, B.S., 1962

Advanced Certificate
In Education
FRANK ARDEEN BRIDGEWATER, B.S., M.S., 1946, 1950

COLLEGE OF AGRICULTURE
Degree of Bachelor of Science
In Home Economics
KATHRYN JANET COLLINS
In Home Economics Education
JANET AKIN FARO, Honors

COLLEGE OF ENGINEERING
Degree of Bachelor of Science
In Aeronautical and Astronautical Engineering
WILLIAM STANLEY EBERHART
In Civil Engineering
JOHN ANDREW SANDO
DAVID LEE TRAVER, High Honors
In General Engineering
TODD SHELDON PARKHURST
In Electrical Engineering
ALAN LEE FENSL
EUGENE CLARENCE PUDIL
In Engineering Physics
PHILIP ERNEST STICHA

COLLEGE OF LIBERAL ARTS AND SCIENCES
Degree of Bachelor of Arts
In Liberal Arts and Sciences
WILLIAM FREDERICK BECKMAN
JAMES RICHARD HAMMOND
PATRICIA ANN HORNICK
DORIS PAUL HUNTER
DAVID EUGENE SCHOB
HOWARD BLOUGH WILLIAMSON
In the Teaching of Social Studies
MILTON PAUL NOVAK
BOARD OF TRUSTEES

[October 26]

Degree of Bachelor of Science
In Liberal Arts and Sciences
Dale Brian Engquist
Burton Gitles
Paul Earl Hepner, Jr.

COLLEGE OF EDUCATION
Degree of Bachelor of Science
In Elementary Education
Stephanie Cherry Balter
Marlene Scharf Engberg

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
Degree of Bachelor of Science
In Accountancy
Stephen Blansett Hill, High Honors
Adelle Lynn Herdt
Howard Jerome Siegel
Albert Jaye Till
L. Pauline Vaughan

COLLEGE OF FINE AND APPLIED ARTS
Degree of Bachelor of Music
Lynne Woods, Honors

COLLEGE OF PHYSICAL EDUCATION
Degree of Bachelor of Science
In Recreation
Patricia Marie Kortkamp

COLLEGE OF VETERINARY MEDICINE
Degree of Bachelor of Science
In Veterinary Medicine
William Edward Fabian
Charles William Salzman
Norman Steven Silverstein

SECRETARY’S REPORTS
The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, declinations, resignations, and terminations; leaves of absence; cancellation of sabbatical leave of absence.

APPOINTMENTS MADE BY THE PRESIDENT
(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)
Adams, William C., Instructor in Physical Education for Men, 2/3 time, academic year beginning September 1, 1963, $3,800, superseded (9-12-63).
Alexandrakis, Nicholas E., Research Associate in Chemistry, five months from September 1, 1963, $508.33 a month (9-26-63).
Ali, Israel, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1963, $5,150 (10-3-63).

Allen, John W., Assistant in Economics, ½ time, nine months from September 16, 1963, $2,275, and Assistant in Finance, ½ time, September 16, 1963-January 31, 1964, $1,050, supersedes (10-2-63).

Allerhand, Adam, Instructor in Physical Chemistry, academic year beginning September 1, 1963, $6,800 (9-4-63).

Alsobrook, James M., Jr., Visiting Assistant Professor of Psychology, ½ time, one year from September 1, 1963, $5,880 (9-26-63).

Anderson, Lynn R., Instructor in Psychology, ½ time, and Research Associate in Psychology, ½ time, academic year beginning September 1, 1963, $3,400 (9-5-63).

Anderson, William L., Research Associate in the State Natural History Survey and in the Graduate College, ½ time, seven months from November 1, 1963, $1,919.19, and full time, one month from June 1, 1964, $548.33, supersedes (9-27-63).

Antony, Kizhakevalaveedu S., Assistant in Physics, Department of Chemistry (Pharmacy), nine months from September 16, 1963, $4,200 (9-23-63).

Applebee, Roger K., Associate Director of Cooperative Research Project No. 1994, Department of English, one year from September 1, 1963, $10,500 (9-26-63).

Arlt, MRS. Phyllis B., Instructor in Speech and Theatre, ½ time, academic year beginning September 1, 1963, $3,520 (9-26-63).

Aro, Aurelia M., Instructor in Pharmacognosy and Pharmacology (Pharmacy), ½ time, academic year beginning September 1, 1963, $2,950, supersedes (9-20-63).

Ast, Mrs. Maria E., Instructor in Foreign Languages (Chicago Undergraduate Division), academic year beginning September 1, 1963, $3,000 (9-4-63).

Atlas, Amos, Research Associate in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1963, $5,700 (9-13-63).

Bain, William H., Instructor in Educational Administration (College of Education), one year from September 1, 1963, $7,500 (8-31-63).

Baker, Harold A., Visiting Lecturer in Law, September 12, 1963, and continuing until further notice but not beyond January 31, 1964, $1,000 a month (9-30-63).

Bakri, Maarib, Assistant in Botany, ½ time, and Research Assistant in Botany, ½ time, September 16, 1963-January 31, 1964, $2,100 (10-1-63).

Banerjee, Amal C., Research Assistant in Agricultural Entomology (C), ½ time, nine months from September 1, 1963, $216.67 a month, and full time, three months from June 1, 1964, $433.33 a month (8-31-63).


Barod, Sandra S., Instructor in Philosophy (Chicago Undergraduate Division), ½ time, academic year beginning September 1, 1963, $3,000 (9-4-63).

Basu, Gorinda L., Research Associate in Chemistry, one year from September 1, 1963, $6,800 (9-26-63).

Bauling, Douglas B., Instructor in Agricultural Engineering (C and S), one year from September 1, 1963, $8,000 (9-26-63).

Baym, Gordon A., Research Assistant Professor of Physics, academic year beginning September 1, 1963, $8,100, supersedes (9-23-63).

Bazzaz, Fakhri, Visiting Assistant Professor of Botany, nine months from September 16, 1963, $6,700 (9-25-63).

Beavers, Joseph E., Assistant Professor and Adjutant of Military Science, August 1, 1963-August 31, 1964, $600 a year (8-19-63).

Beck, Charles E., Consultant in Psychiatry, Health Service, one year from September 1, 1963, without salary (9-25-63).

Bell, Mrs. Christel W., Assistant in German, September 16, 1963-January 31, 1964, $2,300, supersedes (9-27-63).


Bernstein, Ira H., Research Associate and Instructor in Psychology, academic year beginning September 1, 1963, $5,000 (9-20-63).
BLUMENTHAL, MRS. SHIRLEE, Instructor in English, first semester of academic year, September 1, 1963-January 31, 1964, $2,600 (9-4-63).

BODANSKA, MRS. HALINA, Research Associate in Animal Science (S), one year from September 1, 1963, $6,500, supersedes (9-20-63).

BOS, WILLIAM G., Research Associate in Chemistry, one year from September 1, 1963, $6,300 (9-19-63).

BREHMAN, GEORGE E., Jr., Assistant in Educational Administration, nine months from September 16, 1963, $4,500 (9-20-63).

BROOKS, F. LESLIE, Instructor in Physical Chemistry, academic year beginning September 1, 1963, $7,500 (9-26-63).

BROOM, GLEN M., Assistant Extension Editor, with rank of Instructor (E), September 16, 1963-August 31, 1964, $6,133.30, supersedes (9-3-63).

BROWN, RICHARD M., Research Assistant in Ceramic Engineering (C), eleven months from October 1, 1963, $7,000 a year, supersedes (10-2-63).

CAMERON, EDMUND S., Instructor in Inorganic Chemistry, 1/2 time, academic year beginning September 1, 1963, $3,200 (9-9-63).

CARPER, MRS. GLADYS, House Director, Temporary Housing at 1112 West California Avenue, Urbana, September 8, 1963-January 23, 1964, $900; for the convenience of the University, she will also receive room and meals at Busey Dining Rooms while the dining rooms are in operation (10-3-63).

CARR, KENNETH R., Instructor in Electrical Engineering (C), 1/4 time, to render service during the first semester of the academic year beginning September 1, 1963, $675 (10-1-63).

CARRAWAY, A., Research Assistant in Chemistry, one year from September 1, 1963, $5,400 (9-11-63).

CARSHELLO, CARMEN J., Counselor (Reading Improvement Laboratory), Student Counseling Service, and Instructor in Education (Chicago Undergraduate Division), one year from September 1, 1963, $9,200 (9-27-63).

CARTER, HERBERT E., Acting Dean of the Graduate College, beginning September 1, 1963, and continuing until further notice, $1,000 a year; this is in addition to his present appointment as Professor of Biochemistry and Head of the Department of Chemistry and Chemical Engineering; supersedes (9-3-63).

CHAMP, DAVID G., Instructor in Architecture, academic year beginning September 1, 1963, $6,500 (9-3-63).

CHAPMAN, MRS. MARQUERITE R., Instructor in Medical Social Work (Medicine), one year from September 1, 1963, $7,500 (9-20-63).

CHAPMAN, PETER J., Research Associate in Chemistry, one year from September 1, 1963, $7,000, supersedes (9-26-63).

CHEIFETZ, DAVID I., Assistant Professor of Nursing, 1/4 time, September 30-December 20, 1963, and March 23-June 12, 1964, total salary $1,550 a year; this is in addition to his appointment as Assistant Professor of Psychology, Department of Psychiatry (Medicine), without salary (10-3-63).

CLAGGETT, W. STEPHEN, Assistant in Agricultural Law (Agricultural Economics) (E), two months from October 1, 1963, $511.12 a month (10-5-63).

CLAUSING, ARTHUR M., Assistant Professor of Mechanical Engineering (C), academic year beginning September 1, 1963, $9,000, supersedes (9-26-63).

COLEMAN, PHILIP Y., Instructor in English, 1/2 time, academic year beginning September 1, 1963, $3,500 (9-20-63).

COLSMAN, DONNA L., Instructor in Medical Social Work (Medicine), August 26, 1963-August 31, 1964, $6,200 a year (9-4-63).

COMPTON, MARGARET E., Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1963, $5,600, supersedes (9-17-63).

COOLEY, HAROLD N., Assistant Administrative Dean in the Vice-President's Office (Chicago Undergraduate Division), two years from September 1, 1963, $14,000 a year, supersedes (9-4-63).

CORNELL, HARRISON K., Educational Script Writer in Broadcasting and Television-Motion Pictures (College of Journalism and Communications), one year from September 1, 1963, $7,000 (9-4-63).

COTTRELL, FRANCES B., Assistant in Botany, nine months from September 16, 1963, $4,200, supersedes (9-27-63).
CRAWFORD, JAMES E., Assistant Director of Housing for Undergraduate Residence Halls (Physical Plant and Office of Dean of Students), one year from September 1, 1963, $9,000; for the convenience of the University, he will also receive room and board; supersedes (9-4-63).

CREMER, BENNETT J., Staff Physician in the Health Service, September 9, 1963-June 30, 1964, $14,000 a year (10-2-63).


DAVIES, MICHAEL S., Instructor in Electrical Engineering (C), ½ time, academic year beginning September 1, 1963, $2,500, supersedes (8-31-63).

DAVIS, E. E., Visiting Instructor in Psychology, ¼ time, nine months from September 16, 1963, $4,400 (9-26-63).

DEAM, EDWARD L., Associate Professor of Architecture (Chicago Undergraduate Division), indefinite tenure from October 1, 1963, to render service during each academic year, $12,600 a year, supersedes (10-3-63).

DEFOITIS, WILLIAM, Assistant Professor of General Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, $7,300, supersedes (9-4-63).

DE MARCO, WILLIAM, Visiting Instructor in Psychology, ½ time, nine months from September 16, 1963, $3,000 (9-19-63).

DERBYSHIRE, WILLIAM, Research Associate in Chemistry, one year from September 1, 1963, $6,640 (10-3-63).
FISHERMAN, ELMER W., Clinical Associate in Medicine (Medicine), one year from September 1, 1963, without salary (9-25-63).

FLEISER, JAMES L., Research Associate in Dairy Science (S), one year from September 1, 1963, $6,750 (9-4-63).

FLEISCHER, WERNER R., Clinical Assistant Professor of Pathology (Medicine), ¾ time, eight months from October 1, 1963, $600 a month (8-21-63).


FORD, NEIL M., Research Associate in the Bureau of Economic and Business Research, one year from September 1, 1963, $6,100 (10-1-63).

FOWLER, WYMAN B., JR., Research Associate in Metallurgical Engineering (C), nine months from December 1, 1963, $8,000 a year, superseded (9-20-63).

FRANKMANN, MRS. JUDITH P., Assistant Professor of Psychology, ½ time, academic year beginning September 1, 1963, $2,500 (9-20-63).

GILLFILLAN, RICHARD A., Assistant and Extension Marketing Specialist in Agricultural Economics (E), nine months from September 16, 1963, $5,415 (9-4-63).

GLISSENDORF, OWEN F., Assistant Editor, with rank of Assistant Professor (S), October 7, 1963-August 31, 1965, $9,300 a year (9-26-63).

GOLAND, PHILIP, Research Associate in Orthodontics (Dentistry), eleven months from October 1, 1963, $10,000 a year, superseded (10-3-63).

GREENLEE, MRS. NANCY A., Assistant in Education (University High School), nine months from September 16, 1963, $5,300 (9-11-63).

GRENACER, EDMUND E., Instructor in Mathematics, academic year beginning September 1, 1963, $7,000 (9-4-63).

GRANT, E. RHODA, Research Associate in Pathology (Medicine), eleven months from October 1, 1963, $5,500 a year, superseded (9-27-63).

GUPTA, OM PRAKASH, Assistant Professor of Radiology (Dentistry), October 1, 1963-August 31, 1965, $10,500 a year (9-27-63).

HAFELE, JOSEPH C., Assistant in Physics (C), ½ time, nine months from September 16, 1963, $1,900 (9-4-63).

HALL, DARL M., Associate Professor, Leader of Extension Studies, Cooperative Extension (E), September 15, 1963-March 14, 1964, ½ time, $1,290 (9-26-63).

HAMILTON, HERBERT, Research Assistant Professor of Sociology (College of Liberal Arts and Sciences), without salary, and in the Bureau of Community
Planning, 55/100 time, and in the Institute of Communications Research, 45/100 time, academic year beginning September 1, 1963, $7,200 (9-19-63).

HANSON, ROY M., Professor of Psychology, 17/100 time, indefinite tenure from September 1, 1963, to render service during each academic year, $2,100 (9-23-63).

HANCOCK, ROGER N., Visiting Assistant Professor of Philosophy, nine months from September 16, 1963, $7,600 (9-26-63).

HANSON, MRS. DOLORES M., Assistant Editor in the Public Information Office, 3/4 time, eleven months from October 1, 1963, $4,500 a year, supersedes (10-2-63).

HARBAUGH, TERENCE E., Research Assistant in Civil Engineering (C), nine months from September 16, 1963, $6,000 (9-4-63).

HEERING, CHARLES, Instructor in Operative Dentistry (Dentistry), 3/5 time, academic year beginning September 1, 1963, $3,000 (9-20-63).

HINELY, MRS. JAN ANN L., Instructor in English, academic year beginning September 1, 1963, $6,800 (9-4-63).

IRONS, ROAR, Research Associate in Dairy Science (S), one year from September 1, 1963, $6,800 (9-3-63).

JAMES, JOSEPH A., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), July 22, 1963-August 31, 1964, $7,200 a year (8-31-63).

JAMES, ROBERT W., Associate Professor of Sociology, five months from October 1, 1963, $858.33 a month, supersedes (9-19-63).

JANUSZKO, DANUTA, Clinical Instructor in Physical Medicine and Rehabilitation (Medicine), eleven months from October 1, 1963, without salary (10-2-63).

JONES, ROBERT E., Lecturer in Psychology, with rank of Associate Professor, 3/4 time, September 16, 1963-January 31, 1964, $1,650 (9-26-63).

JORDAN, LAURA J., Assistant Professor of Special Education (Institute for Research on Exceptional Children), one year from September 1, 1963, $9,600 (9-4-63).

JORDAN, MRS. LOUISE C., Research Assistant in Microbiology, August 16, 1963-August 31, 1964, $5,364.63 (9-5-63).

KAIN, WALTER J., Instructor in Ophthalmology (Medicine), 3/4 time, one year from September 1, 1963, $6,720 (9-20-63).
KAISER, Henry F., Professor of Educational Psychology (College of Education), indefinite tenure from September 1, 1963, $16,000 a year; and Professor of Psychology (College of Liberal Arts and Sciences), without salary (9-26-63).

KATZ, Evelyn W., Research Assistant Professor of Psychology (College of Liberal Arts and Sciences), and in the Institute of Communications Research (College of Journalism and Communications), ½ time, academic year beginning September 1, 1963, $4,000 (9-20-63).

KELLERHOUSE, Leland E., Jr., Research Assistant in Medicine (Medicine), one year from July 1, 1963, without salary (9-23-63).

KELLOGG, Mrs. Isabel M., Assistant Professor of Occupational Therapy (Medicine), ¼ time, September 1-October 10, 1963, $331.25 a month, supersedes (8-26-63).

KESSLER, MRS. DOLORES, Assistant in the Humanities (Chicago Undergraduate Division), academic year beginning September 1, 1963, $5,200 (10-3-63).

KELLY, Nancy K., Instructor in English (Chicago Undergraduate Division), ½ time, to render service during the first semester of the academic year, September 1, 1963-January 31, 1964, $1,300 (9-4-63).

KLAPMAN, Howard J., Instructor in Psychiatry (Medicine), one year from September 1, 1963, without salary (10-2-63).

KLIAER, Harold, Associate Professor of Psychology, indefinite tenure, and director of Student Counseling Service, one year (Chicago Undergraduate Division), from September 1, 1963, $13,700 a year, supersedes (8-26-63).

KOLB, Mrs. Dorothy, Assistant in German, September 16, 1963-January 31, 1964, $2,500 (10-2-63).

KOTT, Nancy, Project Assistant in the State Natural History Survey and in the Graduate College, September 16, 1963-December 31, 1963, $1,137.50 (9-20-63).

KREHBEL, Robert H., Professor of Anatomy at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for the day August 1, 1963, and resuming service August 19, 1963, continuing through August 31, 1963, $16,195 a year; and Professor of Anatomy (Medicine), indefinite tenure from September 1, 1963, for the academic year (9-5-63).

KUMARICH, Dan, Instructor in Operative Dentistry (Dentistry), ¼ time, one year from September 1, 1963, $6,400, supersedes (9-27-63).

KYSAR, John E., Director of Health Service and Assistant Professor of Hygiene (Chicago Undergraduate Division), 7/10 time, one year from September 1, 1963, $13,500, superseded (9-4-63).

LABANOWICH, Stanley, Supervisor of Recreation and Athletics, with rank of Instructor, Division of Rehabilitation-Education Service (College of Physical Education), one year from September 1, 1963, $7,250 (9-26-63).

Laitinen, Herbert A., Professor of Analytical Chemistry, and Associate Head of the Department of Chemistry and Chemical Engineering, indefinite tenure from September 1, 1963, to render service during each academic year, $20,300 a year, superseded (9-24-63).

Land, Vera F. C., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1963, $4,800 (10-3-63).

Lee, Mrs. Leah S., Research Assistant in Law, six months from September 1, 1963, $3,450, and Research Assistant in the Graduate College, six months from March 1, 1964, $3,450 (9-17-63).

Lee, M. Raymoire, Assistant Professor of Biological Science (Division of General Studies) ¼ time, and Zoology, ½ time, two years from September 1, 1963, to render service during each academic year, $8,200 a year, superseded (9-3-63).

Lerner, Barbara A., Instructor in Psychology, Department of Psychiatry (Medicine), eleven months from October 1, 1963, $7,000 a year (9-19-63).

Lerner, Leon, Research Assistant in Biological Chemistry (Medicine), September 16-August 31, 1964, $5,150 a year (10-3-63).

Liverman, Robert D., Instructor in Physical Education for Men, ½ time, one year from September 1, 1963, $3,400 (9-12-63).
LOEGER, CORNELIUS J., Instructor in Geography (Chicago Undergraduate Division), academic year beginning September 1, 1963, $6,750 (9-4-63).

LOFTISS, EUGENE W., Research Assistant in Speech and Theatre, nine months from September 1, 1963, $4,844.45 (9-27-63).

LUKENS, SHIRLEY A., Instructor in Occupational Therapy (Medicine), one year from September 1, 1963, $7,000 (9-4-63).

MAGEL, JACK, Instructor in Surgery (Medicine), ½ time, August 29, 1963-February 29, 1964, $2,000 (9-20-63).

MAGLIONE, FRANK D., Jr., Supervisor of Counseling, with rank of Instructor, Division of Rehabilitation-Education Services (College of Physical Education), one year from September 1, 1963, $7,000 (9-26-63).

MAHAFEEY, MRS. ANNA K., Instructor in Business Education (College of Commerce and Business Administration), academic year beginning September 1, 1963, $5,200, supersedes (9-26-63).

XANN, LINDSEY A., Research Assistant in English (Graduate College), September 16, 1963-January 31, 1964, and Assistant in English (College of Liberal Arts and Sciences), February 1-June 15, 1964, $4,600 (10-2-63).

MATTHEWS, MRS. DOROTHY E., Instructor in English, academic year beginning September 1, 1963, $6,800 (9-26-63).

MATTHEWS, MRS. DOROTHY E., Extension Specialist in the Division of University Extension, one year from September 1, 1963, $8,500 (9-3-63).

MCGUIN, OWEN G., Clinical Assistant Professor of Surgery (Medicine), ¼ time, one year from September 1, 1963, $2,400 (9-4-63).

MCGUIN, FLORENCE F., Research Assistant in the State Water Survey and in the Graduate College, September 16, 1963-June 30, 1964, $5,500 a year (9-11-63).

MCQUEEN, JOHN L., Administrative Intern in the President's Office, 1/4 time, one year from September 1, 1963, $1,500 (10-7-63).

MOREL, LEONIE A., Research Assistant in the Coordinated Science Laboratory (C), one year from September 1, 1963, $5,540 (9-5-63).

MORRISON, HARRY L., Instructor in Operative Dentistry (Dentistry), ½ time, academic year beginning September 1, 1963, $2,620, supersedes (9-26-63).

MOWAT, BRUCE, Research Associate in Soil Chemistry (Agronomy) (S), one year from September 1, 1963, $7,500 (9-4-63).

NAGATA, TETSUJI, Research Associate in Physiology and Biophysics, eleven months from October 1, 1963, $6,100 a year, supersedes (9-27-63).

NAIMAN, MRS. SANDRA M., Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1963-January 31, 1964, $2,700 (9-4-63).

NETRO-POLITZ, JOSE A., Research Associate in Civil Engineering (C), September 16, 1963-January 31, 1964, $3,500 (9-3-63).
NILSSON, ANNA, Research Associate in Animal Science (S), one year from September 1, 1963, $6,500 (9-20-63).

NOTA, DANIEL A., Instructor in Pharmacy (Pharmacy), ½ time, academic year beginning September 1, 1963, $2,500 (9-20-63).

NORTHOTTE, R. S., Visiting Research Associate in the Digital Computer Laboratory, one year from January 13, 1964, $7,945 (9-5-63).

OATES, GEOFFREY D., Clinical Instructor in Surgery (Medicine), ½ time, August 30, 1963-August 31, 1964, $3,000 (9-20-63).

O'CONNOR, JOHN T., Assistant Professor of Sanitary Engineering (Civil Engineering) (C), academic year beginning September 1, 1963, $8,500 (9-3-63).

OFFER, DWIGHT F., Instructor in the Institute of Aviation, one year from September 1, 1963, $8,000 (9-4-63).

OMORI, DOROTHY K., Instructor in Occupational Therapy (Medicine), four months from September 1, 1963, $6,700 a year (9-4-63).

ORAN, CENAP, Assistant Professor of Civil Engineering (C and S), second semester of the academic year 1963-64, $3,900 for the period (9-25-63).

ORE, DONALD E., Instructor in Dentistry (Dentistry), ½ time, one year from September 1, 1963, $4,800, supersedes (9-27-63).

PAGE, BENJAMIN F., Instructor in the Graduate School of Library Science, ½ time, academic year beginning September 1, 1963, $3,000 (7-12-63).

PALCIAUSKAS, RAYMOND, Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, $8,500 (9-4-63).

PALMER, REX A., Research Associate in Chemistry, one month from September 1, 1963, $558.33 (9-20-63).

PARNAS, MRS. HANNA G., Research Assistant in Microbiology, August 16, 1963-August 31, 1964, $5,625 (9-5-63).

PATTERSON, LANE E., Field Assistant in the State Natural History Survey and in the Graduate College, September 15, 1963, $300 a month (9-13-63).

PATTERSON, VIRGINIA N., Assistant Professor of Radiology (Medicine) and Assistant Radiologist in the Research and Educational Hospitals, October 1, 1963-August 31, 1965, $13,600 a year, supersedes (9-20-63).

PATTISON, JEFFREY, Research Associate in Chemistry, one year from September 1, 1963, $6,500 (10-2-63).

PATTISON, VALERIE, Research Assistant in Botany, one year from September 1, 1963, $558.33 (9-20-63).

PEDERSOLI, WALDIR M., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), ½ time, one year from September 1, 1963, $4,850 (9-20-63).

PHELAN, J. F., Research Associate in Electrical Engineering (C), one year from September 1, 1963, $9,000 (9-20-63).

RIPE, JOHN R., Assistant Professor of Finance, academic year beginning September 1, 1963, $8,000, supersedes (9-26-63).

PRICE, RUPERT M., Associate Professor of Physics, indefinite tenure, and Associate Dean of Engineering, one year, from September 1, 1963 (Chicago Undergraduate Division), $16,200 a year, supersedes (9-4-63).


RAFFELD, WILLIAM F., Instructor in Speech (Chicago Undergraduate Division), ½ time, academic year beginning September 1, 1963, $3,120 (9-4-63).

RAHN, STANLEY W., Assistant Director of Housing and Coordinator of Residential Services (Physical Plant and Dean of Students Office), one year from September 1, 1963, $12,000; for the convenience of the University he will also receive one meal a day; supersedes (9-4-63).

REID, H. GORDON, Associate Professor of Hygiene, Health Service (Chicago Undergraduate Division), indefinite tenure from September 1, 1963, $15,400 a year, supersedes (9-4-63).

RHEE, YOUNG H., Instructor in Mathematics (Chicago Undergraduate Division), academic year beginning September 1, 1963, $5,400 (9-4-63).


ROBERTSON, GILES B., Head of Public Services Division in the Library with rank of Assistant Professor (Chicago Undergraduate Division), indefinite tenure from September 1, 1963, $10,400 a year, supersedes (9-27-63).
ROBINSON, STANLEY C., Professor of Business Administration, on indefinite tenure, without salary, and Dean of Division of University Extension, from October 1, 1963, and continuing through August 31, 1965, $18,000 a year, supersedes (9-27-63).

RODRIGUEZ, EDUARDO, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1963, $5,500, supersedes (9-11-63).

ROOSA, WILLIAM B., Instructor in Anthropology (Chicago Undergraduate Division), academic year beginning September 1, 1963, $6,400 (9-27-63).

RUBINSTEIN, DANIEL, Assistant in Botany, nine months from September 16, 1963, $4,200 (9-19-63).

SAREL, CHARLES L., Instructor in Psychology (Chicago Undergraduate Division), 83/100 time, academic year beginning September 1, 1963, $4,750 (9-4-63).

SANZONI, GEORGE J., Research Engineer in Chemistry (Mass Spectrometer), 2/3 time, academic year beginning September 1, 1963, $6,500 (9-3-63).


SCHMIDT, PAUL J., Instructor in Anthropology (Chicago Undergraduate Division), academic year beginning September 1, 1963, $6,400 (9-20-63).

SCHWLEK, NOAH R., Visiting Lecturer in Economics (Chicago Undergraduate Division), 1/2 time, September 1, 1963-February 29, 1964, to render service during the first semester of the academic year, $2,000 (9-4-63).

SEILHEIMER, RICHARD A., Assistant in Industrial Engineering (C), September 16, 1963-January 31, 1964, $3,100 (9-25-63).

SETH, SHANTI K., Research Associate in Microbiology, ten months from November 1, 1963, $7,000 a year, supersedes (9-26-63).

SHERMAN, MICHAEL A., Instructor in Physical Education for Men, academic year beginning September 1, 1963, $5,500, supersedes (9-12-63).

SHULMAN, HAROLD S., Assistant Professor of Psychology, 1/2 time, academic year beginning September 1, 1963, $4,950 (9-20-63).

SIBINOVIC, MRS. SARAH K. H., Research Associate in Center for Zoonoses Research, 1/2 time, one year from September 1, 1963, $5,100 (9-4-63).

SINGAL, MAHENDRA S., Visiting Assistant Professor of Mathematics, academic year beginning September 1, 1963, $7,500, supersedes (10-2-63).

SIBINOVIC, MRS. SARAH K. H., Research Associate in Center for Zoonoses Research, 1/2 time, one year from September 1, 1963, $4,000 (9-4-63).

SIMPSON, MRS. ALICE A., Assistant in the Center for Zoonoses Research, one year from September 1, 1963, $5,160 (9-12-63).

SIMPSON, MRS. ANITA C., Associate Editor in the Graduate School of Library Science, 1/2 time, September 16, 1963-January 31, 1964, $1,675 (9-25-63).

SINGAL, MAHENDRA S., Assistant Professor of Animal Science (C and S), 1/2 time, two years from September 1, 1963, $4,600 a year (9-7-63).

SMAHLE, MARGARET A., Research Assistant in the Coordinated Science Laboratory (C), one year from September 1, 1963, $5,600 (10-3-63).

SPAETH, VIRGINIA A., Assistant in Biology (Chicago Undergraduate Division), nine months from September 16, 1963, $4,800 (9-4-63).

STEIN, HERBERT J., Research Associate in the Coordinated Science Laboratory, 1/2 time, and Instructor in Electrical Engineering, 1/2 time (C), academic year beginning September 1, 1963, $3,750, supersedes (9-20-63).
STITTZEL, ROBERT D., Instructor in Dentistry (Dentistry), ½ time, academic year beginning September 1, 1963, $1,310 (9-27-63).

STOLL, GAEL M., Registered Pharmacist in Hospital Pharmacy (Pharmacy), September 16, 1963-August 31, 1964, $7,000 a year (10-3-63).

SUGIURA, MASAHIRO, Research Associate in Botany, one year from September 1, 1963, $6,100 (9-19-63).

SULLIVAN, EDWARD E., Assistant in English, nine months from September 16, 1963, $4,200, supersedes (9-19-63).

SUSSMAN, HANS G., Research Associate in Oral Pathology (Dentistry), one year from September 1, 1963, $8,000, supersedes (9-27-63).

TAKAYAMA, TAKASHI, Research Associate in Agricultural Economics (S), one year from September 1, 1963, $10,800 (9-25-63).

TALBOT, JOSEPH E., JR., Instructor in Hygiene and Medical Adviser to Men (Chicago Undergraduate Division), ¾ time, one year from September 1, 1963, $7,600 (9-5-63).

TAYLOR, DONALD P., Assistant Professor of Nematology (Plant Pathology) (C and S), two years from September 1, 1963, $10,000 a year, supersedes (9-4-63).

TOMASKE, HARRY E., Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1963, $7,400, supersedes (10-1-63).

TORRES, CESAR, Research Assistant in Medicine (Medicine), seven months from September 1, 1963, without salary (10-3-63).

TRAHERN, JOSEPH B., JR., Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, $7,300 a year, supersedes (9-26-63).

VERMEULEN, MRS. MARY E., Research Assistant in Microbiology, four months from October 1, 1963, $1,733.32 (10-5-63).

VERSEN, WALTER G., Assistant Professor of Physical Education for Men (Chicago Undergraduate Division), two years, and Assistant Director of the Division of Physical Education and Assistant Director of Athletics, one year, from September 1, 1963, to render service during each academic year, $8,400, and $1,000 for over-time from the Athletic Association for services to it, supersedes (9-7-63).

VISION, RICHARDS, Assistant in English (Chicago Undergraduate Division), September 16, 1963-January 31, 1964, $2,100 (9-5-63).

WAJLER, ROBERT A., Assistant Professor of History (College of Liberal Arts and Sciences), ½ time, and Counselor in Teacher Training Counseling (College of Education), ½ time, two years from September 1, 1963, to render service during each academic year, $7,500 a year, supersedes (9-26-63).

WANG, SHU YUNG, Clinical Associate Professor of Oral Pathology (Dentistry), one year from September 1, 1963, without salary (9-27-63).

WARREN, MRS. IRVINA P., Research Associate in Medical Social Work (Medicine), ½ time, one year from September 1, 1963, $4,200 (9-27-63).
WATERMAN, Jack E., Executive Officer and Associate Professor of Naval Science, August 1, 1963-August 31, 1965, $600 a year (9-26-63).

WATTS, Mrs. Emily S., Instructor in English, 1/3 time, academic year beginning September 1, 1963, $4,550 (9-26-63).

WEICHEL, Paul M., Assistant Professor of Mathematics, two years from September 1, 1963, to render service during each academic year, $9,500 a year (9-26-63).

WEIRACH, Donald F., Research Assistant in Ceramic Engineering (C), 1/2 time, September 16, 1963-June 15, 1964, $2,250, and full time, June 16-August 31, 1964, $1,250 (8-31-63).

WEISSMAN, Irving, Consultant in Radiology (Health Service), 1/4 time, two years from September 1, 1963, $5,400 a year (10-2-63).

WERTCH, Mrs. Agnes S., Instructor in Medical Social Work (Medicine), eleven months from October 1, 1963, $8,250 a year (10-3-63).

WIEDEMAYER, Felix, Research Assistant in Geology, eleven months from October 1, 1963, $4,720.87 (9-27-63).

WIGGINS, Mrs. Nancy A., Instructor in Psychology, 1/3 time, academic year beginning September 1, 1963, $2,000 (9-19-63).

WILLIS, Mrs. Judith, Instructor in the School of Life Sciences, academic year beginning September 1, 1963, $6,500 (9-20-63).

WOOD, Jean M., Instructor in Nursing, to render service during the academic year, 1963-64, beginning October 7, 1963, $7,000 a year (9-27-63).

WOODARD, Mrs. Margaret W., Visiting Lecturer in Biology (Chicago Undergraduate Division), academic year beginning September 1, 1963, $6,750 (9-4-63).

YAMAMOTO, Toshio, Research Assistant in the State Natural History Survey and in the Graduate College, 1/3 time, nine months from September 1, 1963, $1,980, and full time, three months from June 1, 1964, $1,320 (9-27-63).

YOUNG, Mrs. Bilode W., Instructor in Televised Instruction, Elementary Education, and in the Office of Instructional Television (College of Education, and Executive Vice-President and Provost's Office), academic year beginning September 1, 1963, $6,000 (9-27-63).

Yu, Kyung Hi, Research Assistant in Food Science (S), one year from September 1, 1963, $5,200 (9-27-63).

FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ADAM, William S., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, $2,600 (9-20-63).

ANDERSON, Philip A., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, $5,000 (9-16-63).

ANKER, Jane A., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).

ATKINS, Gladys, United States Public Health Service Fellow in Physiology, six months from September 21, 1963, $1,100 (9-27-63).

BALDWIN, Jon M., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, $2,000 (6-11-63).

BARRETT, Irene M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, $2,400 (9-12-63).

BEERY, Gary J., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, $2,400 (8-26-63).

BERNSTEIN, Jerrold, United States Public Health Service Fellow (Trainee) in Physiology, nine months from October 1, 1963, $2,999.97 (9-18-63).


BROWNING, Edward T., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,000 (8-13-63).

CHARRON, Rodney E., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, $2,400 (8-26-63).
CONWAY, ANNA M., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, $200 (9-24-63).

COPELAND, LEE I., United States Public Health Service Fellow (Trainee) in Oral Pathology, ten months from September 1, 1963, $4,166.67 (8-12-63).

DAVIS, LORIN R., Engineering Faculty Development Teaching Fellow in Mechanical and Industrial Engineering, nine months from September 16, 1963, $1,500 (9-16-63).

DAVIS, MRS. LUCILLE, United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, $2,400 (9-24-63).

DE LARCO, JOSEPH E. P., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,833 (9-17-63).


DYSON, ROBERT D., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, $2,500 (9-17-63).

FIEBERTAG, ROBERT H., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 16, 1963, $2,000 (9-17-63).

FELDMAN, JAY M., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, $600 (9-24-63).

FIEDLER, FRED E., Postdoctoral Fellow in Psychology, nine months from September 1, 1963, $12,050 (8-26-63).

FLYNN, MARILYN L. J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (9-13-63).

FRIEDLAND, JOAN M., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,666 (8-13-63).

GENTLEMEN, SUSAN B., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, $2,666 (8-27-63).

GIACOMONI, DARIO, United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, $2,820 (8-16-63).


HAGAN, JOHN V., Postdoctoral Fellow in Psychology, nine months from September 16, 1963, $6,000 (10-1-63).

HANNULA, THOMAS A., National Aeronautics and Space Administration Fellow in Mathematics, one year from September 1, 1963, $3,000, supersedes (9-12-63).

Hoffman, Robert A., Jones and Laughlin Steel Corporation Fellow in Metallurgy, nine months from September 16, 1963, $2,400 (8-15-63).

HOFMANN, LORENZ, United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,583.30 (8-13-63).

HOLTZAPPLE, JAY, Fellow in Music, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375 (8-27-63).

HOLSER, CHARLES F., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, $3,000 (9-17-63).

HUDSON, VALERIE F., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, $2,400 (8-27-63).

JEN, LINDA C., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,100 (7-3-63).
JOHNSON, Judith A., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (8-13-63).

JOHNSON, Norma J., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 16, 1963, $2,000 (9-17-63).

KAPPEL, Holly, Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, $2,400 (8-26-63).

KAUFFMAN, Frederick C., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,416.66 (8-13-63).

KLINE, Dale R., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, $5,000 (9-13-63).

KOPP, James V., United States Public Health Service Predoctoral Fellow in Microbiology, one year from September 16, 1963, $2,000 (9-17-63).

KUENZI, Norbert J., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, $1,882.50 (9-30-63).

KUPPERMAN, Phyllis P., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, ten months from September 1, 1963, $2,400 (8-26-63).

Landy, Arthur H., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, $2,820 (8-16-63).


LOSEE, David L., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1963, $3,000 supersedes (9-12-63).

LOWENSTEIN, John H., National Science Foundation Graduate Fellow in Physics, nine months from September 16, 1963, $1,500 (6-18-63).

MANGEL, Walter F., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, $2,666 (8-16-63).

MANN, William S., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,250 (8-13-63).

MARKS, CoLeen J., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, $2,400 (8-26-63).

MATHER, Lauren R., National Science Foundation Graduate Fellow in Physics, nine months from September 16, 1963, $1,350 (9-18-63).

McLAIN, Larry G., United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, $600 (7-12-63).

MELBERG, Frederick T., Jr., David Kinley Fellow in Business Administration, nine months from September 16, 1963, $1,500 (9-19-63).

Mertz, John C., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 16, 1963, $2,000 (9-17-63).

MIZUNO, Yoshihiro, Keio-Illinois Exchange Fellow in Labor and Industrial Relations, nine months from September 16, 1963, $1,500, and two months from June 16, 1964, $375 (8-27-63).

MORRIS, David R., United States Public Health Service Predoctoral Fellow in Chemistry, one year from August 16, 1963, $2,700 (8-30-63).

MUNDAY, John C., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, $2,666 (8-16-63).

NORTON, Robert H., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 23, 1963-June 30, 1964, $1,772 (9-12-63).

Olsen, Richard K., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 16, 1963, $4,700 (9-17-63).

OsMANSKI, C. Paul, United States Public Health Service Postdoctoral Fellow (Special) in Pathology, one year from July 1, 1963, without salary (9-18-63).

Osterholm, Anders, United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, $2,800 (7-29-63).

Otieno, Ollero S., United States Public Health Service Fellow (Trainee) in Physiology, September 15, 1963-June 30, 1964, $1,741.64 (9-25-63).

Overy, Lacy R., Postdoctoral Fellow (Trainee) in Microbiology, one-fourth time, August 1, 1963-February 29, 1964, $1,400 (8-27-63).

Pardini, Ronald S., United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, $2,500 (9-19-63).

Paul, Gordon L., United States Public Health Service Predoctoral Fellow in Psychology, one year from September 1, 1963, $4,000 (9-16-63).

Peacock, Douglas W., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, $3,000 (9-17-63).
PERKINS, WILLIAM E., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,583.30 (9-18-63).

PERKINS, EDWARD R., United States Public Health Service Predoctoral Fellow in Civil Engineering, one year from September 16, 1963, $3,500 (9-17-63).

PLAUT, HANNAH M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, $2,400 (9-12-63).

PODOLOSKY, JUDITH, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).

PERSHE, EDWARD R., United States Public Health Service Predoctoral Fellow in Civil Engineering, one year from September 16, 1963, $3,500 (9-23-63).

ROSENFELD, HANNAH M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, $2,400 (9-12-63).

ROTHMAN, HOWARD H., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, $2,666 (9-30-63).

ROUGHEAD, WALTER D., Jr., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, $4,800 (9-30-63).

SANDFORD, PETER A., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, $2,500 (9-30-63).

SCAPINO, ROBERT P., United States Public Health Service Predoctoral Fellow (Special) in Oral Anatomy (Dentistry), one year from June 18, 1963, without salary (9-18-63).

SEDAY, ANN J., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, $2,400 (9-12-63).

SEELY, OLIVER, Jr., United States Public Health Service Fellow (Trainee) in Chemistry, one year from September 1, 1963, $2,400 (9-24-63).

SEIKKU, ANTTI R. O., Fellow in Law, nine months from September 16, 1963, $1,500 (9-19-63).

SHAPIRO, JULIE S., United States Public Health Service Fellow (Trainee) in Orthopaedic Surgery, one year from July 1, 1963, $6,000 (8-26-63).

SHEA, JAMES H., Shell Company Foundation Fellow in Geology, nine months from September 16, 1963, $2,100, supersedes (9-20-63).

SOBEL, SOLOMON, United States Public Health Service Fellow (Trainee) in Medicine, August 5, 1963-June 30, 1964, $5,435.50 (9-3-63).

SPENCE, CLARK C., Postdoctoral Fellow in History, academic year beginning September 1, 1963, $10,500 (8-31-63).

STEVENSON, KENT R., United States Public Health Service Predoctoral Fellow in Dairy Science, one year from September 1, 1963, $3,000 (9-9-63).

STIEFEL, HYLONE M., National Institute of Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).

SUCHINSKI, JOYCE, United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric) — Undergraduate, nine months from September 16, 1963, $1,800 (9-12-63).

TAYLOR, DOUGLAS H., Teaching Fellow in Mathematics, 1/100 time, nine months from September 16, 1963, $750 (9-18-63).

TERRY, RICHARD B., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 1, 1963, $3,000 (9-5-63).

THURMAN, RONALD G., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,416.66 (9-12-63).

TKACIK, ARNOLD, Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, $5,000 (9-13-63).

UNZICKER, ROGER G., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, $2,250 (8-13-63).

VOILS, DON L., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, $2,310 (9-30-63).
Wagner, Neal R., National Science Foundation Graduate Fellow in Mathematics, one year from September 1, 1963, $1,800 (9-17-63).

Webb, Bruce A., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, $2,800 (8-26-63).

Williams, Ann M., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, ten months from September 1, 1963, $2,400 (9-5-63).

Willmore, Floyd E., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, $2,310 (9-30-63).

Zielsinski, Mieczyslaw, Fellow in Chemistry, six months from October 16, 1963, $2,250 (9-5-63).

Resignations, Declinations, Cancellations, and Terminations

Allerhand, Adam, Postdoctoral Fellow in Chemistry — resignation effective September 1, 1963.

Anderson, Mary P., Research Assistant in Chemistry — declination effective September 1, 1963.


Bickelhaupt, Roy E., Research Assistant Professor of Ceramic Engineering — resignation effective September 22, 1963.

Blosestein, Rhoda, Research Associate in Chemistry — resignation effective June 16, 1963.

Brown, Donald E., Associate Professor of Journalism — resignation effective September 1, 1963.

Browne, Julia, Fellow in Art — resignation effective June 16, 1963.

Busta, Francis P., United States Public Health Service Predoctoral Fellow in Food Technology — resignation effective October 1, 1963.

Dagres, John, George A. Miller Fellow in History — resignation effective September 16, 1963.

De Foin, Vincent J., Assistant Professor of Anatomy (Medicine) — resignation effective September 1, 1963.

Dinger, Sharon L., Research Assistant in Physiology — resignation effective September 1, 1963.

Feltner, Charles E., Research Assistant Professor of Theoretical and Applied Mechanics — resignation effective September 1, 1963.


Frey, Jo Ann, Assistant Dean of Women — resignation effective February 1, 1964.


Hamilton, Robert C., Orthopaedist in the Division of Services for Crippled Children and Instructor in Orthopaedic Surgery (Medicine) — declination effective September 1, 1963.


Irgens, Roar, United States Public Health Service Fellow (Trainee) in Microbiology — cancellation effective September 1, 1963.

Johnson, Margaret L., Instructor in Medical Social Work (Medicine) — declination effective September 1, 1963.

Kaiser, Henry F., Professor of Psychology and of Educational Psychology (Bureau of Educational Research) — declination effective September 1, 1963.

Katagche, David B., Instructor in Chemistry (Pharmacy) — resignation effective September 1, 1963.

Kelsey, Patricia A., Instructor in Occupational Therapy (Medicine) — resignation effective September 1, 1963.

Kitsch, John W., Instructor in Advertising — declination effective September 1, 1963.
Kosmala, Norbert, Instructor in German — declination effective September 1, 1963.


Malektra, Om P., Assistant Professor of Veterinary Physiology and Pharmacology — resignation effective October 1, 1963.

McKiibbin, Brian, Clinical Instructor in Surgery (Medicine) — termination effective August 17, 1963.

Miles, Fred D., Professor of Architecture — resignation effective September 1, 1963.

Nishida, Yoshiro, Research Assistant in Physiology and Biophysics — resignation effective September 16, 1963.


Omori, Dorothy K., Instructor in Occupational Therapy (Medicine) — declination effective September 1, 1963.

Pattison, Mrs. Valerie, Assistant in Animal Science — resignation effective August 27, 1963.

Penchina, Claude M., Research Associate in Electrical Engineering — cancellation effective September 1, 1963.

Peterson, Lewis V., Producer and Supervisor of Television-Motion Pictures — resignation effective September 1, 1963; retirement effective March 1, 1964.

Remec, Matthew J., Instructor in Electrical Engineering — resignation effective September 1, 1963.

Robert, Margaret R., Research Assistant in the State Water Survey — resignation effective September 12, 1963.


Roslansky, John D., Assistant Professor of Zoology — resignation effective September 1, 1963.

Roth, Cynthia M., Assistant in Chemistry (Chicago Undergraduate Division) — resignation effective September 16, 1963.

Sarkissian, John L., Instructor in Biological Sciences (Chicago Undergraduate Division) — resignation effective September 1, 1963.

Sassoon, Mabel I., Instructor in Medical Social Work (Medicine) — resignation effective September 1, 1963.

Spoleider, Donald E., Assistant Professor of Architecture — resignation effective September 1, 1963.

Steinhardt, Mary D., National Science Foundation Graduate Fellow in Chemistry — resignation effective September 1, 1963.


Strain, Robert J., Research Associate in Electrical Engineering — resignation effective September 18, 1963.

Sudhoff, Herbert A., Executive Officer and Assistant Professor of Naval Science — resignation effective August 1, 1963.

Swago, Andrew W., Associate Professor of Electrical Engineering — resignation effective September 1, 1963.

Swanson, Judith E., Research Assistant in Microbiology — declination effective September 1, 1963.

Talbot, George A., Lecturer in Social Science and Sociology, Division of General Studies and Department of Sociology — resignation effective September 1, 1963.

Toledo, Fernando, Research Associate in Electrical Engineering — resignation effective October 1, 1963.

Vermeulen, Mrs. Mary E., Research Assistant in Microbiology — resignation effective October 1, 1963.

Waller, Mrs. Edna I., Project Assistant in the Natural History Survey and in the Graduate College — resignation effective September 16, 1963.

Weichsel, Paul M., Assistant Professor of Mathematics — declination effective September 1, 1963.
LEAVES OF ABSENCE

Cleary, Edward W., Professor of Law — disability leave of absence, with full pay, from September 1, 1963, and continuing until February 1, 1964.

Cribbet, John E., Professor of Law — leave of absence, without pay, for the academic year 1963-64, so that he may accept a position as Visiting Professor of Law at the University of Michigan.

Drummond, Harold A., Lecturer in Medical and Dental History, with rank of Associate Professor, College of Dentistry — leave of absence without pay, for one year from September 1, 1963, so that he may travel abroad.

Fu, Mrs. Helena Suen, Instructor in Pharmacy, College of Pharmacy — leave of absence, without pay, for one year from September 1, 1963.

Hendron, Alfred J., Jr., Assistant Professor of Civil Engineering, College of Engineering — leave of absence for two years from September 1, 1963, for military service.

Holderman, James B., Assistant Professor in the Institute of Government and Public Affairs — leave of absence, without pay, for the first semester of the academic year 1963-64, so that he may serve as Social Studies Consultant for the Superintendent of Public Instruction.

Paul, Sherman, Professor of English and Associate Member of Center for Advanced Study — leave of absence from the Department of English, without pay, during the current academic year (September 1, 1963, through August 31, 1964), in view of the fact that he has received a John Simon Guggenheim Memorial Foundation grant to supplement his appointment as an Associate Member, on one-half time, of the Center for Advanced Study.

Perlmutter, Mrs. Shirley, Instructor in Occupational Therapy, College of Medicine — extension of leave of absence, without pay, beginning September 1 through December 31, 1963.

Rudin, Cecilia M., Instructor in English (Chicago Undergraduate Division) — extension of leave of absence, without pay, for one year from September 1, 1963, on account of illness.

Stiffes, Marvin C., Professor of Theoretical and Applied Mechanics, College of Engineering and Engineering Experiment Station — leave of absence, without pay, for the second semester of 1963-64, so that he may accept a position as Visiting Professor of Civil Engineering at the University of Washington.

Wachowski, Theodore J., Clinical Professor of Radiology, College of Medicine, and Associate Radiologist, Research and Educational Hospitals — leave of absence, without pay, for six months from September 1, 1963, so that he may travel and do work in association with his appointment as President of the American College of Radiology.

Ziolkowski, Edward, Physician in the Health Service (Medical Center, Chicago) — leave of absence, without pay, beginning September 1, and continuing through October 20, 1963, because of the temporary press of other responsibilities.

CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

Stiffes, Marvin C., Professor of Theoretical and Applied Mechanics, College of Engineering, and Engineering Experiment Station — sabbatical leave of absence for the second semester of the academic year 1963-64 is hereby cancelled, without prejudice.

FUTURE BOARD MEETINGS

President Clement reminded the Trustees of their previous action changing the date of the regular November meeting from the third Wednesday to Saturday, November 23, 1963, to be held in Urbana, and inquired if the Board desires to consider any other date. Following discussion, it was the consensus of the Trustees that the meeting should be held on November 23 as now scheduled.

The regular December meeting of the Board is scheduled for Wednesday, December 18, and President Clement announced that the Trustees have the annual invitation from the officers of the First National Bank of Chicago to hold the meeting at the Bank.
MEETING OF ASSOCIATION OF GOVERNING BOARDS

Mrs. Watkins reported informally and briefly on the 1963 annual meeting of the Association of Governing Boards of State Universities and Allied Institutions at which she, Mr. Dilliard, and the Secretary, Mr. Janata, represented the Board of Trustees of the University. Mr. Dilliard also commented on this meeting.

Mrs. Watkins stated that she would send a formal, written report to all the Trustees later and a copy would be filed with the Secretary.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested and would be ordered for consideration of reports and recommendations relating to property acquisitions; and that this session will be held immediately after luncheon recess.

At 11:15 a.m., on motion of Mr. Swain, the Board recessed.

INSPECTION OF PHYSICS BUILDING

During the recess, the Trustees and officers of the University visited the new Physics Building for an inspection. Professor G. M. Almy, Associate Head of the Department of Physics, Professor Robert J. Maurer and Associate Professor George A. Russell, of the Department, conducted the inspection tour.

GUESTS OF HONOR AT LUNCHEON

Following inspection of the Physics Building, the Trustees returned to the Illini Union for luncheon. State Senator Everett R. Peters, and State Representatives Charles W. Clabaugh, Edwin E. Dale, and Leo Pfeffer were guests of honor of the Board at luncheon. Presidents Clement and Henry expressed on behalf of the Trustees and other officers of the University appreciation of the services of the Senator and Representatives to the University during the session of the Seventy-third General Assembly of Illinois. The guests of honor responded briefly.

SITE FOR UNDERGRADUATE LIBRARY

Mr. Ambrose Richardson, Consulting Architect, presented sketches of a preliminary study of a new undergraduate library building at Urbana-Champaign showing how such a building could be constructed below grade in the quadrangle between the Auditorium and the Stock Pavilion and connected with the University Library. He illustrated his presentation with slides.

On recommendation of President Henry and on motion of Mr. Swain, this proposal was referred to the Committee on Buildings and Grounds for consideration and report.

DESIGN OF CHILDREN'S RESEARCH CENTER

Mr. Richardson presented the proposed design for the Children's Research Center to be constructed in the area which has been set aside for the Mental Health Building.

On motion of Mr. Johnston, this design was approved.

EXECUTIVE SESSION

The Board reconvened in executive session at 1:30 p.m. and the same Trustees and officers of the University were present as recorded at the
beginning of these minutes with the exception of Mr. Ray Page who
asked to be excused and Mr. John A. Baerwald and Mr. Ambrose
Richardson, whose services were not required.

The Board proceeded to consider the following reports and recom-
mendations submitted by and on behalf of the President of the Uni-
versity.

**VACATION OF STREETS AND ALLEYS BY THE CITY OF URBANA**

(1) The Committee on Buildings and Grounds of the Board of Trustees has
recommended payment to the city of Urbana of $147,345 for the vacation of
Romine Street between Springfield Avenue and Main Street; Stoughton Street
between Romine Street and Mathews Avenue; and the alleys in the two blocks
bounded by Springfield Avenue, Mathews Avenue, Main Street, and Romine
Street. Such vacations by the City would have the effect of vesting in the Uni-
versity title to the areas vacated.

The areas will be vacated in two parts, namely Romine Street and the west
part of the alley in the block bounded by Stoughton, Romine, Main, and Mathews,
conditioned upon the payment of $92,895.00; and Stoughton Street and the alley
in the block bounded by Stoughton, Romine, Springfield, and Mathews, condi-
tioned upon a payment of $54,450. The latter vacation will take place after the
University's completion of acquisition of contiguous land.

The city of Urbana has since requested that prior to enactment of the city
ordinances that would vacate the streets and alleys subject to payments being
made, the Board of Trustees take action to authorize such payments.

It is recommended that the Board of Trustees approve the proposal to the
City for vacation of the areas and authorize payments of the amounts required by
the City when the ordinances are passed.

Funds are available from the state capital appropriations to the University
for the 1963-65 biennium.

I concur.

On motion of Mr. Swain, this recommendation was approved, and
authority was given as requested by the following vote: Aye, Mr.
Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr.
Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner,
Mr. Page.

**PURCHASE OF FARM LAND SOUTH OF BONDVILLE**

(2) In 1957, lease arrangements were completed for the use of a forty-one-acre
tract, four miles south of Bondville, Illinois, as a site for a radio direction-finding
facility for the Department of Electrical Engineering. This land was purchased
by a private company and leased to the University with the lease cost paid from
a research contract with the United States Navy. The University has the option
to buy the site at any time before the expiration of the lease in 1972 at a cost not
to exceed $18,245.

Two tracts totaling 210 acres are now required for immediate expansion of
the research facility and additional land will be required in the future to control
construction of fences, metal buildings, and possibly high-growing crops, all of
which interfere with the research program. The total land required, including
the forty-one acres now leased to the University, is approximately 480 acres.

Negotiations have been under way for acquisition of the two tracts of land
required for immediate expansion:

Tract A — Approximately 130 acres north of the original forty-one acres described
as:

The North Half of the Northeast Quarter of Section Two, except a
strip one rod wide off the full south end thereof, containing 88.78 acres
more or less, and the North Half of the East Half of the Northwest
quarter of said Section Two, except one square rod in the Southeast
corner thereof, containing 41.48 acres more or less, all in Section Two
Township 18 North, Range 7 East, of the Third Principal Meridian, in
Champaign County, Illinois.

The owner will sell for $90,000 but retaining for three crop years the right
of occupancy of not less than eighty acres of land.
Tract B—Approximately eighty acres east of the original forty-one acres described as:

The South Half (S½) of the Northeast Quarter (NE¼) of Section 2, Township 18 North, Range 7 East of the Third Principal Meridian.

The owner will sell for $64,000 and give immediate possession to the University. The prices are the lowest prices for which the properties can be acquired without condemnation proceedings and the resulting costs thereof.

Funds are available from undistributed indirect costs received under Navy contracts.

The Vice-President and Comptroller recommend that the Board authorize the purchase of the above two properties at the prices and terms outlined above.

I concur.

On motion of Mr. Swain, these purchases were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

ACQUISITION OF PROPERTY AT 603 EAST DANIEL STREET, CHAMPAIGN, ILLINOIS

(3) The Board has authorized and the University is in the process of acquiring by condemnation the property at 605 East Daniel Street, Champaign (commonly referred to as the Cosmopolitan Club). The adjoining property at 603 East Daniel Street, Champaign (commonly referred to as the Thunderbird Restaurant property) is also required for the University's campus expansion and is under common ownership with the Cosmopolitan Club.

Officials of the University have carefully reviewed the various alternatives available to the University with regard to the acquisition of the Thunderbird property and have concluded that: (1) funds are now available which can be budgeted for this purpose; (2) if it is necessary to institute condemnation proceedings on this property, it would be desirable to consolidate such proceedings with the pending Cosmopolitan Club condemnation; and (3) the acquisition of the property at this time would be in the best interests of the University.

The Thunderbird property consists of a lot 43.68 feet frontage on Daniel Street by 73 feet deep, and is improved with a restaurant occupying most of the land area. The original building was a three-story and basement frame rooming house to which has been added a frame dining room two stories high, a one-story masonry side entrance, and a second-story addition at the rear of the property used as a dining room. The basement has been remodeled into a "rathskeller."

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize the acquisition of this property by negotiation at a price not to exceed $100,000. They further recommend that if the University is unable to acquire the property by negotiation, the Board authorize the Executive Committee to adopt a resolution for institution of condemnation proceedings for the acquisition of this property. This resolution was distributed to the members of the Board of Trustees, and a copy was filed with the Secretary of the Board for record.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund.

I concur.

On motion of Mr. Johnston, the foregoing recommendations were approved and authority was given as requested; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

ACQUISITION OF FARMLAND IN LA SALLE COUNTY

(4) In 1955, Miss Laura Weber gave to the University 640 acres of farmland in La Salle County. Included in the gift is a 160-acre farm in Waltham Township, north of Utica. On November 21, a 160-acre farm which adjoins this farm will be sold at public auction by the administrator of an estate. It is desirable for the
University to acquire this farm, or at least eighty acres of it, in order to implement the functions being performed on the Weber property.

The Dean of the College of Agriculture and the Vice-President and Comptroller recommend that the Comptroller or an agent selected by him be authorized to submit not exceeding $700 an acre for the west eighty acres (which are immediately south of the University property) and not to exceed $650 an acre for the east eighty acres and not to exceed $675 an acre for the entire farm.

Approximately $50,000 is available in the fellowship account established from the income of the Weber farms. This income is unrestricted except that it must be used for the benefit of the College of Agriculture. The Dean of the College recommends that this sum be transferred to endowment funds if the property is acquired. The remainder of the purchase price can be financed from working capital funds of the Weber farms and Wright farms.

The Chairman of the Committee on Agriculture has been consulted and approves the recommendation.

I concur.

On motion of Mr. Johnston, this purchase was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

On motion of Mrs. Watkins, the Board adjourned.

A. J. Janata
Secretary

Howard W. Clement
President
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MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

November 23, 1963

The November meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Saturday, November 23, 1963, beginning at 9:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner and Mr. Ray Page were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Mr. V. L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
TRIBUTE TO PRESIDENT OF THE UNITED STATES
When the meeting convened, President Clement asked all present to stand in a silent tribute to the late President John F. Kennedy.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT
President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES
(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
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<tbody>
<tr>
<td>Martin Greenman</td>
<td>Skokie, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Thomas Elwood Heney, Jr.</td>
<td>Huntingdon Valley, Pennsylvania</td>
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<tr>
<td>Fred Ephraim Schoenburg</td>
<td>Skokie, Illinois</td>
<td>District of Columbia</td>
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<tr>
<td>Brian Owen Shannon</td>
<td>Chicago, Illinois</td>
<td>Indiana</td>
</tr>
<tr>
<td>Glen Wilson Vantrease</td>
<td>Gary, Indiana</td>
<td>Indiana</td>
</tr>
<tr>
<td>Harvey Emil Wetzel</td>
<td>Homewood, Illinois</td>
<td>Wisconsin</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Johnston, these certificates were awarded.

APPOINTMENTS TO THE FACULTY
(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. Charles Milton Garverick, Assistant Professor of Educational Psychology, beginning February 1, 1964, at an annual salary of $8,400.
2. Lowell Dean Hill, Assistant Professor of Marketing Extension, Department of Agricultural Economics, beginning November 11, 1963, at an annual salary of $10,000.
3. Sushil Dua Sharma, Visiting Assistant Professor of Psychology and of Physiology, for one year from September 1, 1963, one-third time, at a salary of $2,600.
4. Robert M. Tomlinson, Assistant Professor of Vocational and Technical Education, College of Education, beginning February 1, 1964, at an annual salary of $9,600.
5. John C. Toth, Assistant Professor of Educational Psychology, College of Education, beginning September 1, 1963, at an annual salary of $8,500.
6. Charles E. Warwick, Assistant Dean of Admissions and Records, with rank of Assistant Professor, beginning March 1, 1964, at an annual salary of $13,000.

On motion of Mr. Swain, these appointments were confirmed.

DEPARTMENT OF LINGUISTICS
(3) On recommendation of the Executive Committee of the College of Liberal Arts and Sciences, the Urbana-Champaign Senate has recommended establishment of a Department of Linguistics to provide a much-needed focus for the various aspects of linguistic study now conducted at the Urbana-Champaign
campus. At present a graduate program is offered in linguistics leading to the degree of Master of Arts and Doctor of Philosophy. This program is administered by an interdepartmental committee whose chairman serves as the program director.

The Department will offer two main curricula with certain possible additions: (a) graduate programs in descriptive linguistics and historical linguistics, and graduate interdisciplinary programs in psycholinguistics, ethnolinguistics, and experimental phonetics; and (b) instruction in non-Western languages to be instituted later, eventually providing at least two years of elementary Chinese, Japanese, Hindi, Arabic, and selected southeast Asian languages such as Burmese or Indonesian. The Department will also offer graduate programs of instruction and research leading to degrees of Master of Arts and Doctor of Philosophy in Linguistics, with the possible addition of a one-year certificate for foreign teachers of English who can afford only one year of graduate training in this country.

The College of Liberal Arts and Sciences and the new Department would recognize the prior claim of the existing language departments to continue to offer courses of a linguistic nature which draw their material from the languages they teach and which are a part of the training at all levels of teachers of such languages.

Submitted herewith is a supporting statement concerning the proposal for the new Department, a copy of which is being filed with the Secretary of the Board for record.

The University received funds in its 1963-65 legislative appropriation for the establishment of a Department of Linguistics and for the kind of expansion of the program outlined above.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mr. Johnston, this recommendation was approved.

**DOCTOR OF PHILOSOPHY IN AGRICULTURAL ENGINEERING**

(4) On recommendation of the Executive Committee of the Graduate College, the Urbana-Champaign Senate has recommended establishment of a graduate program leading to the degree of Doctor of Philosophy in Agricultural Engineering to meet the great demand for agricultural engineers with the Doctor of Philosophy degree from colleges and universities, state and federal government agencies, industries which serve agriculture, and many of the food industries.

The program will fulfill all the standard requirements of the Graduate College for the degree of Doctor of Philosophy. It provides for a major in agricultural engineering with a minor or minors in other graduate departments of engineering, mathematics, physics, including soil physics, or other disciplines in the physical sciences. The program, including the specific courses, is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

The Board of Trustees in 1948 approved a recommendation from the Senates for a graduate program leading to the degree of Master of Science in Agricultural Engineering.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mr. Hughes, this recommendation was approved.

**DEPARTMENT OF URBAN PLANNING AND LANDSCAPE ARCHITECTURE AND REVISION OF CURRICULUM IN CITY PLANNING**

(5) The Urbana-Champaign Senate has approved recommendations from the College of Fine and Applied Arts that: (1) the name of the Department of City Planning and Landscape Architecture be changed to Department of Urban Planning and Landscape Architecture, (2) the title of the curriculum in city planning be changed to curriculum in urban planning, (3) the curriculum be revised to increase the total number of semester hours required for graduation from 122 to 132, exclusive of the general University requirements in military
training and physical education, and (4) the name of the degree be changed from Bachelor of Science in City Planning to Bachelor of Urban Planning. The master's degree will be changed to Master of Urban Planning.

Submitted herewith is a supporting memorandum giving the details of the proposed revision of the city planning curriculum, and a copy is being filed with the Secretary of the Board.

The present city planning curriculum was established in 1953 and was revised in 1957. The proposed changes provide a more flexible program, full compliance with the general education requirements approved by the Senates and the Board of Trustees, and will also provide improved professional and supporting course work. Professional courses will be concentrated in the junior and senior years since many of the students enrolled in this curriculum are transfers from other curricula. The proposed degree of Bachelor of Urban Planning is recognized by the American Institute of Planners as evidence of a professional education and qualifies the graduate for membership in professional organizations.

The proposed program will add three new courses not now offered and will drop one course and part of another.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

All these changes are to become effective September 1, 1964.

I recommend approval.

On motion of Mr. Williamson, these recommendations were approved.

REVISIONS IN THE CURRICULUM PREPARATORY TO THE TEACHING OF RUSSIAN

(6) The Urbana-Champaign Senate has approved a recommendation from the College of Liberal Arts and Sciences and the Council on Teacher Education for certain revisions in the curriculum preparatory to the teaching of Russian leading to the degree of Bachelor of Arts in the Teaching of Russian, to become effective immediately.

Submitted herewith is an extract from the report of the Committee on Courses and Curricula of the College of Liberal Arts and Sciences giving the details of these revisions, including the specific requirements in education courses, teachers' major and minor in Russian, approved sequences in other courses, and recommended electives, a copy of which is filed with the Secretary of the Board.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I concur.

On motion of Mr. Swain, this recommendation was approved.

EMPLOYMENT OF ARCHITECT FOR THE DIGITAL COMPUTER LABORATORY SECOND ADDITION

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of A. Epstein and Sons Inc., Chicago, for architectural services for the second addition to the Digital Computer Laboratory, at a fee of 5½ per cent of the total construction cost, with the understanding that supervisory services will be limited to office supervision, checking of drawings, approval of materials, and periodic visits to the project.

Funds are available from United States government contracts.

I concur.

On motion of Mrs. Watkins, this recommendation was approved.

CONTRACTS FOR IMPROVEMENTS AT THE NATURAL HISTORY BUILDING

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling in the Natural History Building, the award in each case to the lowest bidder:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>General — English Brothers Company, Champaign</td>
<td>$190,760</td>
</tr>
<tr>
<td>Base bid</td>
<td>$185,300</td>
</tr>
<tr>
<td>Additive alternates for: Service charge for supervision of other contracts assigned to the general contractor</td>
<td>3,000</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mrs. Watkins, this recommendation was approved.
Substitution of rubber floor covering for vinyl asbestos in the lecture room ........................................ 1 110
Addition of terrazzite on entrance stairs .................................... 1 350

Electrical — William H. Brunkow, an individual doing business as Brunkow Electric Company, Champaign .................. 19 717
Plumbing — Reliable Plumbing and Heating Company, Champaign ...... 5 190
Heating and Air Conditioning — F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign ....................................................... 9 125
Ventilating — F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign .......... 15 885

Total .................................................................................. $240 677

Since one contractor is the lowest bidder on both heating and air-conditioning work and on ventilating work, it is also recommended that these two awards be combined in a single contract for a total amount of $25,010.

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work making the total of his contract $240,677; and it is further recommended that an agreement be entered into with English Brothers Company, Champaign, for the assignment of these other contracts for $3,000, which amount is included in the contract price being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in state capital appropriations to the University for 1963-65 and have been released.

Submitted herewith is a supporting memorandum from the Physical Plant Department on this project, including a schedule of all bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

CONTRACT FOR ELECTRICAL ENGINEERING BUILDING ELEVATOR MODERNIZATION

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $10,041 to the Otis Elevator Company, Chicago, for modernization of the Electrical Engineering Building freight elevator.

Funds are available in the construction budget of the Electrical Engineering Building addition.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

CONTRACT FOR CAMPUS BUS SERVICE

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend extension of the present contract with the Champaign-Urbana City Lines, Inc. for the campus bus service for students and staff until January 31, 1964. The present contract which was authorized by the Executive Committee of the Board on August 1, 1963, will expire November 27. When studies, now under way, of a more comprehensive campus transportation program are more advanced, bids will be taken and a further report will be made to the Board. In the meantime, it is desired to continue providing bus transportation for students and staff as approved by the Executive Committee of the Board when the present contract was authorized.

Submitted, herewith, is a copy of the recommendation for the campus bus service now in operation as approved on August 1, 1963, and a copy is being filed with the Secretary of the Board as a part of this record.

On motion of Mr. Swain, extension of this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes,
Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**Contract for Steam Service to an Out-Patients Health Service Building in the Medical Center District**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with Union Health Service, Inc., for steam service from the Medical Center Steam Company Plant to an Out-Patients Health Service Building being constructed in the Medical Center District, North of Polk Street between Marshfield Avenue and Ashland Avenue, said contract to be on the same basis as the University's contracts with other consumers of steam in the Medical Center District supplied by the Company in accordance with its corporate powers and responsibilities.

The requirements of this Out-Patients Health Service Building will not exceed 2500 pounds per hour maximum demand, which is within the capacity of the present plant and distribution system.

I concur

On motion of Mrs. Watkins, this recommendation was approved, and authority was given as requested, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**Contract for Conductive Floor Tile, Surgical Suites, Research and Educational Hospitals and Hospital Addition**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend the award of a contract to the Johnson Floor Company, Inc., Berwyn, for the installation of conductive floor tile in certain designated surgical suites in the Research and Educational Hospitals and the Hospital Addition on the Medical Center Campus on the following terms:

<table>
<thead>
<tr>
<th>Base bid</th>
<th>$4,250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additive alternates:</td>
<td></td>
</tr>
<tr>
<td>Work in corridor serving Rooms 285, 289, 292, General Hospital</td>
<td>595</td>
</tr>
<tr>
<td>Work in corridor serving Rooms 406, 408, 409, Hospital Addition</td>
<td>940</td>
</tr>
<tr>
<td>Work in corridor serving Rooms 46, 48, 50, Hospital Addition</td>
<td>830</td>
</tr>
<tr>
<td>Work in corridor serving Rooms 431, 435, 438, Hospital Addition</td>
<td>840</td>
</tr>
<tr>
<td>Total</td>
<td>$7,055</td>
</tr>
</tbody>
</table>

The work will be installation of conductive floor tile in operating rooms and auxiliary areas for the reduction of explosion hazards and to comply with the National Fire Protection Association's "Safe Practices for Hospital Operating Rooms."

Funds are available in the Physical Plant maintenance budget.

A schedule of bids received is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Johnston, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

**Contracts for Alterations in Dentistry-Medicine-Pharmacy Building**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommended award of contracts for alterations on the eighth floor attic of the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

| General—Ashland Construction Company, Chicago | $34,342 |
| Base bid | $32,742 |
| Additive alternate for service charge for supervision of other contracts assigned to this contractor | 1,600 |
Plumbing — Ashland Plumbing and Heating Company, Chicago........ 2 835
Heating, Refrigeration, and Temperature Control — Crown Temperature Engineers, Inc., Chicago........................................ 8 947
Ventilating — A C Company, Chicago.................................. 13 998
Electrical — Fries Walters Company, Chicago............................ 12 987

Total ........................................................................... $73 109

The contracts will provide for complete rehabilitation of the eighth floor attic, previously a storage area, to provide additional quarters for the center for the study of medical education which represents an extension of the work now being conducted by the Office of Research in Medical Education. This remodeling will add six new offices, study carrels, a teaching laboratory workshop, a classroom-conference room, and other auxiliary space.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $73,109; and that an agreement be entered into with Ashland Construction Company for the assignment of these other contracts for $1,600 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in a grant from the Commonwealth Fund.

A schedule of all bids received is submitted herewith, and a copy is filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dillard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

ADDITION TO CONTRACT FOR CONSTRUCTION OF THE ILLINOIS STREET RESIDENCE HALLS

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $16,665.01 in the contract with Kuhne-Simmons Company, Inc. for construction of the Illinois Street Residence Halls to provide for installation of acoustic ceiling tile in lieu of plaster for sound control in the corridors, unit lounges, and elevator lobby areas of all floors in the five-story building and of the second through eleventh floors in the high-rise building.

Funds are available in the construction budget for the project.

I concur.

On motion of Mr. Hughes, this change in contract was authorized.

PURCHASES

(15) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.

Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One microphotometer, console comparator, for two four by ten inch spectrographic plates and equipped with an electronic device for retaining the minimum percent transmission value of a scanned spectral line until released, and one spectrographic unit, direct reading and photographic, complete with accessories comprised of: two pair tungsten electrodes and one four mm excitation unit</td>
<td>Agronomy</td>
<td>Jarrell-Ash Co., Elmhurst</td>
<td>$87 634 46</td>
</tr>
</tbody>
</table>

f.o.b. delivered
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One automatic polarimeter, two cells and recorder accurate to 0.1 per cent, for use in determining the rotation of various compounds with low optical activity</td>
<td>Animal Science</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>(Note: This purchase is from both Institutional Funds, $2,995.00, and Appropriated Funds, $3,000.00, for a total of $5,995.00.)</td>
<td></td>
<td></td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One spectrophotometer, infrared, with linear wave number chart presentation for use in a teaching course</td>
<td>Chemistry and Chemical Engineering</td>
<td>Beckman Instruments, Inc., Lincolnwood</td>
<td>$5,670.00</td>
</tr>
<tr>
<td>Three receivers, HF communication, 2–30 MC continuous coverage; type of reception USB or LSB, AM and CW</td>
<td>Electrical Engineering</td>
<td>Collins Radio Co., Cedar Rapids, Iowa</td>
<td>$4,113.00</td>
</tr>
<tr>
<td>Two microwave oscillators, frequency range 8.2 to 12.4 GC; ±1 per cent accuracy; 10 mw minimum output, continuously adjustable to 0; with leveler amplifier</td>
<td>Electrical Engineering</td>
<td>Alfred Electronics, c/o Carter Electronics, Inc., Chicago</td>
<td>$5,780.00</td>
</tr>
<tr>
<td>Five oscilloscopes, dual trace, with null-readout features; sensitivity 0.1 mv/cm, bandwidth DC to 500 KC</td>
<td>Electrical Engineering</td>
<td>Analab Instrument Corp., c/o Bard Associates, Inc., La Grange</td>
<td>$4,975.00</td>
</tr>
<tr>
<td>Five function generators with four simultaneous outputs (sine, square, ramp, and triangle waveforms), frequency range 0.001 to 10,000 cps; main output adjustable from 0 to 5 volts, P-P with adjustable DC reference level</td>
<td>Electrical Engineering</td>
<td>Exact Electronics, Inc., c/o Bard Associates, Inc., La Grange</td>
<td>$2,975.00</td>
</tr>
<tr>
<td>Eleven vacuum tube voltmeters, ranges 1.0 mv to 300 volts full scale, 12 ranges; 10 cps to 4 MC; accuracy ±5 per cent at 4 MC; long term stability less than 0.5 per cent error 50 cps to 1 MC</td>
<td>Electrical Engineering</td>
<td>Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago</td>
<td>$2,750.00</td>
</tr>
<tr>
<td>One sweep frequency generator, frequency range 0.7 to 230 MC, plus bandspread ranges for 450 KC and 10.7 MC; calibration accuracy ±0.5 per cent at output voltage less than 0.3 volts; drift not greater than 0.3 per cent for five hours</td>
<td>Electrical Engineering</td>
<td>General Radio Co., Oak Park</td>
<td>$3,250.00</td>
</tr>
<tr>
<td>One inductance measuring assembly consisting of bridge and two 200 volt-amperpower supplies (one DC and one AC), a cabinet type rack, and necessary connecting cables; measures nine frequencies from 50 cps to 15.75 KC</td>
<td>Electrical Engineering</td>
<td>General Radio Co., Oak Park</td>
<td>$3,230.00</td>
</tr>
<tr>
<td>Four wave analyzers, frequency range 20 cps to 50 kc, linear graduations 1 division per 10 cycles, accuracy ±1 per cent ±5 cps, voltage range 30 microvolts to 300 volts, automatic frequency control</td>
<td>Electrical Engineering</td>
<td>Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago</td>
<td>$7,200.00</td>
</tr>
<tr>
<td>19,275 pounds steel, hot rolled and cold drawn, in 16 foot lengths, for use for experiments and research projects within the College of Engineering</td>
<td>Theoretical and Applied Mechanics</td>
<td>Steel Warehousing, Division, Jessop Steel Co., Chicago</td>
<td>$2,856.13</td>
</tr>
<tr>
<td>Print and bind 35,000 copies Time Table, second semester, 1963-64, trim size 5¼ in. by 8¼ in., approximately 336 pages per copy</td>
<td>University Press</td>
<td>George Banta Co., Chicago</td>
<td>$7,887.00</td>
</tr>
<tr>
<td>One truck, 1964 model, 20,000 lb. standard minimum GVW, complete with dump body, hydraulic dump hoist, and front end loader; without trade-in</td>
<td>Physical Plant</td>
<td>International Harvester Co., Springfield</td>
<td>$7,550.33</td>
</tr>
</tbody>
</table>

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of electronic test equipment consisting of two oscilloscopes and three plug-in preamplifiers</td>
<td>Aeromedical Laboratory, Chicago</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>$3,635.00</td>
</tr>
<tr>
<td>One high-speed refrigerated centrifuge and accessories</td>
<td>Biological Chemistry, Chicago</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>$3,462.00</td>
</tr>
</tbody>
</table>

*Note: Vendors and prices are approximate and subject to change.*
<table>
<thead>
<tr>
<th>Item Description</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-ray film processing equipment consisting of one film drier, one refrigerated</td>
<td>Dental Radiology, Chicago</td>
<td>General Electric Co., Chicago</td>
<td>$3,027.07</td>
</tr>
<tr>
<td>tank, one mixing valve, one film processor, one stapler and staples, one leader,</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>and one storage bin</td>
<td>Medical Center Stores, Chicago</td>
<td>A. Daigger &amp; Co., Chicago</td>
<td>$3,234.20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies consisting of one portable</td>
<td>Oral Pathology, Pharmacology, Psychiatry,</td>
<td>W. H. Kessel &amp; Co., Packard Instrument</td>
<td>$4,684.51</td>
</tr>
<tr>
<td>refrigerated centrifuge, one horizontal head, one angle head; twelve metal</td>
<td>Chicago, Chicago</td>
<td>Co., Inc., La Grange</td>
<td>delivered</td>
</tr>
<tr>
<td>shields, fifty boxes of filter paper, twenty-four pro-pipettes, 350 ox.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>microscope cover glasses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inverted camera microscope and access-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One liquid scintillation spectrometer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One ultra high-speed centrifuge with two rotors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One spectrometer system, nuclear magnetic resonance wide-line process analyzer,</td>
<td>Agronomy</td>
<td>Varian Associates, Park Ridge</td>
<td>$20,640.00</td>
</tr>
<tr>
<td>complete with control console and all electronic components, including a</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>graphic recorder, permanent magnet with sweep coils and accessories</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>One radar test unit (used), X-band to include signal generator, power monitor,</td>
<td>Institute of Aviation</td>
<td>Allen Aircraft Radio, Elk Grove Village</td>
<td>$9,250.00</td>
</tr>
<tr>
<td>spectrum analyzer, and echo box</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>One aircraft radar system, X-band to include transmitter-receiver, shock-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>mounts, synchronizer, indicator, control unit, and antenna</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One flaw detector, ultrasonic, universal, including detector, calibration and</td>
<td>Civil Engineering</td>
<td>Krautkramer Ultrasonics, Inc., Stratford,</td>
<td>$6,733.00</td>
</tr>
<tr>
<td>test block, cables, couplant, thickness indicator, equipment for measure-</td>
<td></td>
<td>Conn.</td>
<td>f.o.b.</td>
</tr>
<tr>
<td>ment of elastic constants, and one set of transducers</td>
<td></td>
<td></td>
<td>Stratford, Conn.</td>
</tr>
<tr>
<td>Eight shock absorbers, hydraulic, capable of stopping a moving load of 20</td>
<td>Civil Engineering</td>
<td>Ellis-Fluid Dynamics Corp., Chicago</td>
<td>$3,160.00</td>
</tr>
<tr>
<td>pounds with an initial contact velocity of 20.85 ft. per second, with a</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>maximum duty cycle of 300 operations per hour</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>One liquid scintillation spectrometer, fully transistorized and including a</td>
<td>Dairy Science</td>
<td>Packard Instrument Co., Inc., La Grange</td>
<td>$8,000.00</td>
</tr>
<tr>
<td>stable high voltage supply with step-</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>wise control and precise resettability; two channel with pulse height</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>discrimination and independent gain control on each, fully reconditioned with</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a new instrument warranty</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One gas chromatograph, isothermal, with dual plug-in argon ionization or</td>
<td>Entomology</td>
<td>Packard Instrument Co., La Grange</td>
<td>$3,732.00</td>
</tr>
<tr>
<td>electron capture detectors capture</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>detectors capable of independent and / or simultaneous column operation</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>One microscope, phase contrast, with combination binocular-monocular</td>
<td>Entomology</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$3,764.00</td>
</tr>
<tr>
<td>photo tube and tube length compensator, and accessories</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>One microscope, polarizing, with variable camera length, tube for vertical</td>
<td>Geology</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$3,992.00</td>
</tr>
<tr>
<td>illumination, plastic cover and accessories</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>(Note: This purchase is from both Institutional Funds, $3,992.00, and</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>Appropriated Funds, $3,512.00, for a total of $7,504.00.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One television tape recorder, transistorized, portable, and capable of</td>
<td>Instructional Television</td>
<td>Ampex Corp., Elmhurst</td>
<td>$12,210.16</td>
</tr>
<tr>
<td>recording and playback of standard EIA television signals or closed circuit</td>
<td></td>
<td></td>
<td>f.o.b.</td>
</tr>
<tr>
<td>industrial signals, takes two-inch tape, one and one-half hours continuous</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>recording</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Note: This purchase is from both Institutional Funds, $3,992.00, and Appropriated Funds, $3,512.00, for a total of $7,504.00.)
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One gas chromatography system including dual column oven, electrometer, power supply, dual recorders, continuous flow detectors, tri-carb spectrometer, data printer, and dual precision log-linear ratemeter, to be used for measuring radioisotopes in various effluents derived through gas chromatography</td>
<td>Microbiology</td>
<td>Packard Instrument Co., Inc., La Grange</td>
<td>$17,643.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One oscilloscope, storage type, with 8 by 10 cm display area, 3.5 kv accelerating voltage, storage time one hour, erase time one-fourth second</td>
<td>Physics</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>2,700.00 f.o.b. Beaverton, Ore.</td>
</tr>
<tr>
<td>Three electronic instrumentation laboratory assemblies, each consisting of one each: universal power supply, voltage reference source, transistorized power supply, lab meter, three-inch oscilloscope, resistance and capacitance substitution boxes, volt-ohm-milliammeter, sine-square wave generator, vacuum tube voltmeters, experimental chassis and parts, amplifier parts, and small tool set</td>
<td>Division of University Extension</td>
<td>Heath Co., Benton Harbor, Mich.</td>
<td>2,970.00 f.o.b. Benton Harbor, Mich.</td>
</tr>
<tr>
<td>Accessories for existing electron microscope: one anti-contamination device, one specimen exchange mechanism, two click-stop lens aperture assembly, one click-stop objective lens focusing system, one exposure meter—autotimer-shutter assembly</td>
<td>Veterinary Medicine</td>
<td>Perkin-Elmer Corp., La Grange</td>
<td>3,550.00 f.o.b. Norwalk, Conn.</td>
</tr>
<tr>
<td>One electron microscope, guaranteed resolution better than 7 angstroms, double condenser lens, accelerating voltages 50, 75, and 100 KV, magnification 400 to 250,000 times, with cold-stage unit to minus 160 degrees C with liquid N2, spare assembly, and includes delivery, installation, instruction, and two-year service contract</td>
<td>Zoology</td>
<td>Perkin-Elmer Corp., La Grange</td>
<td>3,346.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Continuous tabulating forms for one year beginning January 1, 1964, and ending December 31, 1964, to be delivered in two equal shipments January 1 and July 1, 1964</td>
<td>Statistical Service Unit</td>
<td>Shelby Salesbook Co., Champaign</td>
<td>14,869.50 f.o.b. delivered</td>
</tr>
<tr>
<td>70,000 pounds white lead paste, soft, Type C, in 100 pound kegs, to be delivered as needed and requested from January, 1964, through November, 1964</td>
<td>Physical Plant Storeroom</td>
<td>National Lead Co., Chicago</td>
<td>13,615.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Two sets parking gates, automatically controlled and operated by coins or coded cards, to be furnished and installed complete with all necessary components ready to be connected to electrical circuits furnished by the University</td>
<td>Physical Plant Department</td>
<td>Parklane Co., Inc., Clinton, Mich.</td>
<td>7,352.10 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Labor, material, and supervision to install acoustical tile on ceilings of corridors, lounge areas, drinking fountain areas, and elevator entrance areas in Babcock and Carr Halls of the Pennsylvania Avenue Residence Halls complex on the Urbana campus</td>
<td>Physical Plant Department</td>
<td>George S. Grimmett &amp; Co., Springfield</td>
<td>12,940.00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Automobiles and trucks, 1964 models, as follows: Twenty-seven sedans, four-door, less trade-in of five 1962 standard and nineteen 1961 compact sedans One sedan, four-door, police car, less trade-in of 1963 model police car One sedan, four-door, without trade-in</td>
<td>Physical Plant Department</td>
<td>Courtesy Motor Sales, Inc., Chicago</td>
<td>31,246.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rosetter Motor Co., Peoria</td>
<td>13,150.00 f.o.b.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gregory Ford Co., Decatur</td>
<td>4,147.87</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Carl Chevrolet Co., Springfield</td>
<td>6,051.39</td>
</tr>
</tbody>
</table>
Item | Department | Vendor | Cost
--- | --- | --- | ---
Fifteen station wagons, nine passenger, less trade-in of one 1962 and fourteen 1961 model station wagons | | Sullivan Chevrolet Co., Champaign | $ 1 552.34
One carryall vehicle, less trade-in of 1961 carryall vehicle | | International Harvester Co., Springfield | 4 302.82 (f.o.b. delivered)
Two trucks, one-half ton pickup, less trade-in of one 1958 and one 1959 one-half ton trucks | | | (60450.42)
One truck, one-half ton pickup, without trade-in | | | 

On motion of Mr. Johnston, these purchases were authorized.

QUARTERLY REPORT OF THE COMPTROLLER

(16) The Comptroller presented his quarterly report to the Board as of September 30, 1963.

This report was received for record, and a copy is being filed with the Secretary of the Board.

COMPTROLLER’S REPORT OF CONTRACTS

(17) The Comptroller’s report of contracts executed during the period October 1 to 31, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morris Animal Foundation</td>
<td>A clinical pathologic study of babesia canis (piroplasmosis) in the intact and splenectomized dog</td>
<td>$ 3 900.00</td>
<td>August 19, 1963</td>
</tr>
<tr>
<td>Morris Animal Foundation</td>
<td>Feline hemobartonellosis</td>
<td>4 111.25</td>
<td>September 11, 1963</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR-480-64</td>
<td>Information, communication, many-valued logic, and meaning</td>
<td>47 520.00</td>
<td>October 2, 1963</td>
</tr>
<tr>
<td>United States Air Force AF01(611)-1377</td>
<td>Provide flight instruction for twenty-one students</td>
<td>11 551.16</td>
<td>September 19, 1963</td>
</tr>
<tr>
<td>United States Air Force AF19(628)-3307</td>
<td>Basic properties of gaseous plasmas</td>
<td>50 000.00</td>
<td>August 1, 1963</td>
</tr>
<tr>
<td>United States Army DA-11-022-AMC-890(R)</td>
<td>Plan and conduct a conference on direct aeronomic measurements in the lower ionosphere</td>
<td>11 994.00</td>
<td>September 26, 1963</td>
</tr>
<tr>
<td>United States Army DA-18-064-AMC-197(A)</td>
<td>Elucidate the complete histology of the mosquito, Aedes aegypti</td>
<td>50 100.00</td>
<td>October 17, 1963</td>
</tr>
<tr>
<td>United States Department of Labor, Office of Manpower, Automation, and Training</td>
<td>Evaluation of training and recruitment problems for selected technical occupations in short supply</td>
<td>70 419.00</td>
<td>September 11, 1963</td>
</tr>
</tbody>
</table>
Total | | $249 595.41 |
<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Attractions, Inc.</td>
<td>Presentation of &quot;My Fair Lady&quot; (four performances)</td>
<td>75 per cent of gross proceeds after taxes and certain settlements</td>
<td>October 1, 1963</td>
</tr>
<tr>
<td>State’s Attorney of DeKalb County</td>
<td>Payment in lieu of taxes, for services rendered (Wright)</td>
<td>$ 5 704.23</td>
<td>September 18, 1963</td>
</tr>
<tr>
<td>State’s Attorney of Piatt County</td>
<td>Additional payment in lieu of taxes, for services rendered (Allerton and Warren)</td>
<td>497.00</td>
<td>October 14, 1963</td>
</tr>
</tbody>
</table>
Total | | $ 6 201.43 |

Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Business Machines Corp. Theo Wells (renewal)</td>
<td>One item: one model 1-557 alphabetic interpreter</td>
<td>$ 1 680.00</td>
<td>September 18, 1963</td>
</tr>
<tr>
<td></td>
<td>Rental of office space at 608 West Tenth Street, Metropolis, from September 1, 1963, through February 29, 1964, for zoanoses research</td>
<td>600.00 ($100.00 per month)</td>
<td>September 1, 1963</td>
</tr>
</tbody>
</table>
Total | | $ 2 280.00 |
Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Air Force AF33(657)-10822</td>
<td>Deformation and fracture of crystalline solids under dynamic loading</td>
<td>$23,000.00</td>
<td>September 16, 1963</td>
</tr>
<tr>
<td>United States Army DA-11-032-CIVENG-63-56</td>
<td>Instruction in water resources planning</td>
<td>1,975.00</td>
<td>October 10, 1963</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2060</td>
<td>Interpersonal and psychological adjustment of group members</td>
<td>32,048.00</td>
<td>October 2, 1963</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2323</td>
<td>Manual of viruses and non-bacterial illnesses in man</td>
<td>6,724.00</td>
<td>October 7, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1198</td>
<td>Research on the nature of materials for October</td>
<td>100,000.00</td>
<td>October 1, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-3-10-026</td>
<td>Sciences concept development in the elementary school through inquiry training</td>
<td>16,423.00</td>
<td>October 2, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr-1459(06)</td>
<td>Development of a gas chromatography technique for determination of adrenocortical steroids and investigate the effects of stresses on tissue metabolism</td>
<td>8,613.00</td>
<td>September 26, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr-1834(12)</td>
<td>Properties of insulating solids</td>
<td>20,000.00</td>
<td>September 23, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr-1834(26)</td>
<td>Plastic deformation of solids</td>
<td>21,000.00</td>
<td>October 7, 1963</td>
</tr>
<tr>
<td>University of Virginia Task order under Nonr-3623(S-6)</td>
<td>Statistical properties of two-phase flow</td>
<td>27,000.00</td>
<td>October 1, 1963</td>
</tr>
<tr>
<td>VioBin Corp.</td>
<td>Value of wheat germ oil in physical fitness</td>
<td>4,800.00</td>
<td>September 5, 1963</td>
</tr>
</tbody>
</table>

Total: $261,583.00

Adjustments Made in 1963-64 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>George S. Grimmett &amp; Co. (Plastering)</td>
<td>Fifteen items: $25.00 to $800.00</td>
<td>$2,280.00</td>
<td>September and October, 1963</td>
</tr>
</tbody>
</table>

Total: $2,280.00

Summary

Amount to be paid to the University: $511,178.41
Amount to be paid by the University: $10,761.43

This report was received for record.

INVESTMENT REPORT

Report of the Finance Committee

(18) The Finance Committee reported the following changes in investments of endowment and other funds for the month of September, 1963:

Pool

<table>
<thead>
<tr>
<th>Sale</th>
<th>Purchase</th>
<th>Exchange</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 shares Mississippi River Fuel common</td>
<td>$23,739.02</td>
<td></td>
</tr>
<tr>
<td>600 shares Northern States Power common</td>
<td>$22,048.14</td>
<td></td>
</tr>
<tr>
<td>4,000 U. S. Treasury Notes 3(\frac{3}{4})</td>
<td>8/15/67 for</td>
<td></td>
</tr>
<tr>
<td>4,000 U. S. Treasury Bonds 4</td>
<td>8/15/73</td>
<td></td>
</tr>
</tbody>
</table>

Report of the Comptroller

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:
Current Funds
Restricted Group (June 20, 1962)
Purchase
$ 500,000 U. S. Treasury bills 10/15/63 $ 498,685.56
1 500,000 U. S. Treasury bills 11/29/63 1 489,719.17
500,000 U. S. Treasury bills 12/26/63 495,500.00
500,000 Commercial Credit notes 3/16/64 490,572.92
500,000 Montgomery Ward Credit notes 4/15/64 488,649.31
500,000 International Harvester Cr. 5/15/64 487,029.51

Construction Funds
Assembly Hall (June 23, 1959, and March 17, 1962)
Purchase
$ 150,000 U. S. Treasury bills 1/16/64 $ 148,256.42
Chicago — Congress Circle Union (June 19, 1963)
Purchase
$ 197,000 U. S. Treasury bills 10/24/63 $ 196,358.38
Illini Union and Health Center Construction (December 21, 1960)
Sale
$ 5,000 U. S. Treasury bills 10/17/63 $ 4,988.60
Purchase
$ 55,000 U. S. Treasury bills 1/16/64 $ 54,364.41
Illinois Street Residence Halls (October 17, 1962)
Purchase
$ 100,000 U. S. Treasury bills 1/16/64 $ 98,844.39
Orchard Downs and SG-2 (June 14, 1960)
Purchase
$ 65,000 U. S. Treasury bills 1/16/64 $ 64,248.85
Orchard Downs Addition (May 24, 1962)
Sale
$ 36,000 U. S. Treasury bills 10/17/63 $ 35,941.35
Pennsylvania Avenue Residence Halls (June 21, 1961)
Purchase
$ 95,000 U. S. Treasury bills 11/14/63 $ 94,506.83
Student Services (May 17, 1961)
Purchase
$ 10,000 U. S. Treasury bills 11/14/63 $ 9,948.04

Sinking Funds
Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)
Purchase
$ 4,500 U. S. Treasury bonds 4 2/15/80 $ 4,466.25
Reserve for Additional 1952 Bonds (December 16, 1953)
Purchase
$ 26,000 U. S. Treasury bonds 31/2 11/15/74 $ 25,723.75
Student Services (May 17, 1961)
Purchase
$ 7,000 U. S. Treasury bills 7/15/64 $ 6,790.03

On motion of Mr. Williamson, this report was received for record.

Appropriations for Nonrecurring Expenditures
(19) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

Urbana-Champaign
1. College of Education
   University High School, equipment.......................... $ 4,850
2. College of Engineering
   Department of Civil Engineering, equipment ........................................... 8 850
   Highway Traffic Safety Center, traffic study vehicle and related equipment .......... 14 900
   Department of Mining, Metallurgy, and Petroleum Engineering, expense of moving into former Physics Laboratory ................................................. 15 500
   Nuclear Engineering Committee, equipment .............................................. 9 600
3. College of Fine and Applied Arts
   School of Music, equipment ........................................................................... 5 667
4. College of Liberal Arts and Sciences
   Department of Botany, equipment .................................................................... 6 343
   Department of Entomology, equipment ............................................................ 9 000
   Department of Geology, air conditioners ....................................................... 2 760
   Department of Speech and Theatre, equipment .............................................. 7 250
5. Library
   Educational and Behavioral Sciences Library, equipment and moving costs .............. 21 481
   Library, catalog equipment ............................................................................ 15 200
6. Executive Vice-President and Provost’s Office
   University Honors Programs, equipment ....................................................... 3 973
7. Physical Plant Department
   Remodeling in Davenport Hall for Department of Plant Pathology .................... 19 885
   Installation of a new transformer and power distribution system for the research laboratory of Department of Agricultural Engineering ......................... 13 525
   Remodeling in Agricultural Engineering Building ......................................... 4 015
   Remodeling and air conditioning in Engineering Administration offices ............. 12 865
   Remodeling in Hydraulics Laboratory for Department of Civil Engineering ............ 10 770
   Modernization of lighting in the Gallery in Architecture Building ..................... 5 040
   Remodeling for a darkroom for Department of Botany .................................... 3 550
   Lighting and cooling the North Greenhouse for the Department of Botany ............ 9 941
   Remodeling in Library ................................................................................... 5 200
   Modernization of lighting in University Library and in departmental libraries ....... 40 000
   Air conditioning of administrative offices for the Armed Forces in the Armory ........ 11 805
   Remodeling of house at 1205 West Oregon Street, Urbana, for University Honors Programs (this is a former residence purchased by the University several years ago) ...................................................... 8 880
   Modernization of electrical distribution and supply systems in various buildings .... 100 000
   Total, Urbana-Champaign .............................................................................. $370 850

Chicago Undergraduate Division
8. Library, supplementary book funds .................................................................... $ 30 000
9. College of Architecture and Art, equipment .................................................. 4 583
10. Physical Plant Department
    Remodeling for College of Architecture and Art ............................................ 5 000
    Total, Chicago Undergraduate Division .......................................................... $ 39 583

Medical Center
11. Illustration Studios, equipment ....................................................................... $12 783
12. Research and Educational Hospitals, equipment ............................................ 5 500
13. Physical Plant Department
    Remodeling in Research and Educational Hospitals ........................................ 10 700
    Total, Medical Center ................................................................................... $28 983

I concur.

On motion of Mr. Swain, these appropriations and assignments of funds were made by the following vote: Aye, Mr. Clement, Mr. Dil-
liard, Mr. Hughes, Mr. Johnson, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

EASEMENT TO COMMONWEALTH EDISON COMPANY
AND ILLINOIS BELL TELEPHONE COMPANY

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend that an easement be granted the Commonwealth Edison Company and the Illinois Bell Telephone Company for electric and telephone service to the addition to the Drug and Horticultural Experiment Station in DuPage County, at Lisle, Illinois, now under construction.

I concur, and recommend adoption of the following resolution:

Resolution Authorizing Granting of Easement to Commonwealth Edison Company and Illinois Bell Telephone Company Upon, Along, Over, and Under the Site of the Drug and Horticultural Experiment Station

Be it, and it is hereby resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Commonwealth Edison Company and Illinois Bell Telephone Company, both Illinois corporations, hereinafter referred to as "Grantee," its successors and assigns, jointly and severally, the right, permission, and authorization to construct, maintain, relocate, and renew equipment consisting of poles, pole structures, push poles, anchors, guys, stubs, conduits, wires, cables, and other necessary electrical facilities, upon, along, over, and under said property and to transmit and distribute by means of said equipment, electricity to be used for heat, light, power, telephone, and other purposes, and also to trim from time to time such trees, bushes, and saplings as may be reasonably required incident to the grant herein given, together with the right of ingress to and egress from said property at all times for any and all such purposes; Grantee shall agree to repair any damage to property of this Corporation and to pay for any damages which may be caused to property of this Corporation by the laying, construction, reconstruction, operation, maintenance, renewal, or removal of said facilities. The right-of-way easement shall terminate ninety (90) days after the Grantee ceases to use said facilities for rendition of service. The right-of-way easement shall be located upon, over, and under said part of the property of said Grantor described as follows:

A strip of land Ten (10) feet wide, the Easterly line of said strip of land being described as follows: That part of Lot Two (2) of Assessment Plat No. Three (3) according to the plat thereof recorded March 30, 1935, in Book 20 of Plats on Page 91 as Document No. 357009 in the Recorder's Office, Du Page County, Illinois, described by commencing at the Northeast corner of Section 1, Township 38 North, Range 10, East of the Third Principal Meridian; and running thence South 0°12' East along the East Line of said Section 1, 1270.05 feet to a corner of said Lot Two (2); thence South 84°13' West along a South line of said Lot, 346.5 feet for a place of beginning; Thence South 6°10' East along an Easterly line of said Lot Two (2) to terminate with the North line of Lacey Road (as now established); said strip of land, as described, being a part of the Grantors lands described in that certain Document No. 478301 recorded May 23, 1954, in Book 447, at Pages 450 to 456, inclusive of Deeds, at the Recorder's Office, Du Page County, Illinois.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page; not voting, Mr. Hughes.

APPOINTMENT OF CONSULTANT TO PRESIDENT AND TO EXECUTIVE VICE-PRESIDENT AND PROVOST

(21) I recommend the appointment of Dr. Shannon McCune, presently Civil
Administrator in the United States Civil Administration of the Ryukyu Islands, as Consultant to the President and to the Executive Vice-President and Provost beginning February 1, 1964, or as soon thereafter as may be mutually convenient, the effective date to be determined when he can arrive at the University, at an annual salary of $18,000 on a twelve-month service basis.

The duties of the position will be on assignment by the President and the Executive Vice-President and Provost, initially in internal administration. The Consultant as a representative of the offices of the President and the Provost, will work with the deans of the several colleges at Urbana-Champaign, at the Medical Center, and at the Chicago Undergraduate Division in planning and implementation of educational programs.

On motion of Mrs. Watkins, this appointment was approved.

AMENDMENTS OF THE UNIVERSITY OF ILLINOIS STATUTES

Mr. Johnston, for the Committee on General Policy, offered the following resolution and moved its adoption:

On June 19, 1963, the President of the University transmitted to the Board of Trustees the actions of the Senates, with reference to proposed changes in the Statutes of the University which deal with academic freedom and tenure.

By action of the Board, the recommendations were referred to the General Policy Committee for study and report.

The General Policy Committee has reviewed the proposals and discussed them with the President and the Legal Counsel.

The Committee finds itself in agreement with some of the proposals, but has modifications to suggest in others.

It appears to the Committee that communication with the Senates might be expedited through informal conference with their representatives.

Accordingly, it is recommended that the President of the University be requested to arrange a meeting on this subject, as soon as practicable, to be attended by the General Policy Committee and the President of the Board, the Chairman and one other member of each Senate Committee on Academic Freedom (to be designated by the Chairman or the Committee), the Chairman and Secretary of the Senate Coordinating Council (or their alternates), and the President of the University and such consultants as he may designate.

This resolution was adopted.

SECRETARY’S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, declinations, resignations, and terminations; leaves of absence; retirements.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ADEX, HARLOW W., Consultant in Electrical Engineering (C), one year from September 1, 1963, $3,000 (11-1-63).

ADKINS, RICHARD W., Assistant Professor of Mechanical Engineering (C), to render service during the academic year beginning November 1, 1963, $7,000 (11-6-63).

AHRENKIEL, RICHARD K., Research Assistant in Physics (C), two months from November 1, 1963, $1,022.24 (11-5-63).

ALEXANDER, HARLAN G., Assistant in Psychiatry (Medicine), July 1, 1963-August 31, 1964, without salary (11-7-63).

ASPEN, ANITA T., Research Associate in Dairy Science (S), October 7, 1963-August 31, 1964, $7,000 a year (11-6-63).

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BALES, RETTA E., Assistant Director of Admissions and Clinics, Research and Educational Hospitals (Admissions and Clinic Administration), one year from September 1, 1963, $9,950, supersedes (10-28-63).


BEAMON, DONALD R., Research Assistant Professor of Metallurgy (C), eleven months from October 1, 1963, $9,000 a year, supersedes (10-16-63).

BENFORD, MYRON C., Associate Medical Director, Director of Admissions and Director of Clinics (Research and Educational Hospitals) (Admissions and Clinic Administration), one year from September 1, 1963, $14,000, supersedes (10-28-63).

BENNETT, WILMA, Bibliographer, with rank of Instructor (Library), eleven months from October 1, 1963, $6,800 a year (10-12-63).

BORECKY, VLASTIMIL P., Visiting Professor of General Engineering (C), nine months from September 16, 1963, $10,000, supersedes (10-12-63).

BRANDON, STANLEY D., Assistant in Orthopaedic Surgery (Medicine), nine months from October 1, 1963, without salary (10-21-63).

BREWER, JOHN M., Research Associate in Chemistry, eleven months from September 1, 1963, without salary (10-17-63).

BREWER, MARY G., Assistant in Education (University High School), nine months from September 16, 1963, $5,600 (10-15-63).

BRIDGER, A., Lecturer in Health and Safety Education (College of Physical Education), nine months from September 16, 1963, without salary (10-21-63).

BRYANT, PAUL T., Editor in the Engineering Experiment Station, with rank of Instructor, with permission to devote 25 per cent time during each year to the work of the American Society for Engineering Education, for ten months from November 1, 1963, $12,500 a year, supersedes (10-11-63).

CANTWELL, FREDERICK F., Research Assistant in Chemistry, ½ time, October 21, 1963-January 31, 1964, $782.78; this is in addition to his appointment as Assistant in Chemistry on ½ time (10-29-63).

CARLSON, SYBIL B., Assistant in Elementary Education (College of Education), October 1, 1963-June 15, 1964, $3,966.70, supersedes (10-29-63).

CHURCHICH, JORGE E., Assistant Professor of Biological Chemistry, academic year beginning September 1, 1963, $6,800 (10-31-63).

CRUM, ROBERT J., Clinical Instructor in Prosthodontics (Dentistry), one year from September 1, 1963, without salary (11-1-63).

DECKER, JOSEPH, Assistant in Ophthalmology (Medicine), ten months from September 1, 1963, without salary (10-17-63).

DEEB, MRS. BARBARA P., Research Associate in the Center for Zoonoses Research (College of Veterinary Medicine), ¾ time, September 16, 1963-August 31, 1964, $4,575 a year (10-12-63).

Degenford, James E., Research Assistant in Electrical Engineering (C), eleven months from October 1, 1963, $6,150 a year, supersedes (10-15-63).

DeWAN, EDMUND J., Research Assistant in the Coordinated Science Laboratory (C), October 14, 1963-August 31, 1964, $4,540.90 (10-31-63).

DILL, ALLEN F., Associate Professor of Civil Engineering (C and S), indefinite tenure from September 1, 1963, to render service during each academic year, $10,500 a year, supersedes (10-11-63).

DORSEY, H. HAROLD L., Professor of Military Science and Head of the Department, indefinite tenure from October 1, 1963, without salary (10-12-63).

DUA, RAMJI DASS, Research Associate in Dairy Science (S), September 27, 1963-August 31, 1964, $6,500 a year, supersedes (10-7-63).

DUNPHY, JAMES V., Instructor in Medicine (Medicine), ½ time, eleven months from October 1, 1963, $5,000 a year (10-24-63).

FALICOV, MRS. CELIA J., Instructor in Psychology, Department of Psychiatry (Medicine), ¾ time, October 15, 1963-August 31, 1964, $3,900 a year (10-21-63).

FEDDER, EDWIN H., Visiting Lecturer in Political Science, February 1-June 15, 1964, $1,222.22 a month (10-10-63).
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Duration</th>
<th>Salary</th>
<th>Effective Date</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Flueck, John A.</td>
<td>Instructor in Economics</td>
<td>September 1, 1963-February 29, 1964</td>
<td>$1,400</td>
<td>10-21-63</td>
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<tr>
<td>Flurek, Joseph R.</td>
<td>Instructor in Music</td>
<td>3/4 time</td>
<td>$4,800</td>
<td>10-15-63</td>
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<tr>
<td>Friedman, Mrs. Felice C.</td>
<td>Assistant in Nursing</td>
<td>September 30, 1963-June 15, 1964</td>
<td>$555.55 a month</td>
<td>10-17-63</td>
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<tr>
<td>Gardner, Karl E.</td>
<td>Chief of Party, Adviser to Principal</td>
<td></td>
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<tr>
<td>Flummerfelt, R.</td>
<td>Instructor in Music</td>
<td>2/3 time, academic year</td>
<td>$4,890</td>
<td>10-15-63</td>
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<tr>
<td>Friedman, C.</td>
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<td>$555.55 a month</td>
<td>10-17-63</td>
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<tr>
<td>Gardner, Karl E.</td>
<td>Chief of Party, Adviser to Principal</td>
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<tr>
<td>Gobmos, George</td>
<td>Research Associate in Psychiatry</td>
<td>ten months from</td>
<td>$8,750 a year</td>
<td>10-21-63</td>
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<tr>
<td>Gotz, Gertrud</td>
<td>Assistant in Home Economics</td>
<td>one year from September 1,</td>
<td>$5,600</td>
<td>10-15-63</td>
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<tr>
<td>Glick, M.</td>
<td>Instructor in German</td>
<td>1/2 time, academic year</td>
<td>$3,000</td>
<td>10-9-63</td>
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<tr>
<td>Gustafson, Donald H.</td>
<td>Clinical Assistant in Medicine</td>
<td>eleven months from October 1, 1963</td>
<td>without salary</td>
<td>10-17-63</td>
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<tr>
<td>Harrison, Robert M.</td>
<td>Research Associate in Soil Chemistry (Agronomy)</td>
<td>November 16, 1963-August 31, 1964</td>
<td>$6,500 a year</td>
<td>10-21-63</td>
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<tr>
<td>Harvis, Douglas C.</td>
<td>Instructor in Mathematics</td>
<td>1/2 time, September 16, 1963-January 31, 1964</td>
<td>$2,100, and 2/3 time</td>
<td>10-17-63</td>
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<tr>
<td>Hassinger, Mrs. Gail S.</td>
<td>Assistant in Nursing</td>
<td>nine months from September 16, 1963</td>
<td>$5,000</td>
<td>10-10-63</td>
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<tr>
<td>Helbling, Sara Y.</td>
<td>Assistant in Occupational Therapy</td>
<td>year from September 1, 1963</td>
<td>$5,850</td>
<td>10-21-63</td>
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<td>Hembrough, Frederick</td>
<td>Instructor in Veterinary Physiology and Pharmacology</td>
<td>November 16, 1963-March 31, 1964</td>
<td>$8,100 a year</td>
<td>10-12-63</td>
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<tr>
<td>Hoar, Victor M.</td>
<td>Assistant in English</td>
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<td>$2,100, and 2/3 time</td>
<td>10-17-63</td>
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<tr>
<td>Hoberg, Barbara E.</td>
<td>Assistant in English</td>
<td>first semester of academic year beginning September 16, 1963,</td>
<td>$2,200</td>
<td>10-21-63</td>
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<tr>
<td>Horii, Satoshi</td>
<td>Research Associate in Chemistry</td>
<td>year from September 1,</td>
<td>$6,100</td>
<td>10-24-63</td>
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<tr>
<td>Isaac, Thelma J.</td>
<td>Instructor in Chemistry</td>
<td>academic year beginning</td>
<td>$6,200</td>
<td>10-12-63</td>
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<tr>
<td>Javaheiri, Hooshang</td>
<td>Clinical Instructor in Medicine</td>
<td>September 27, 1963-August 31, 1964</td>
<td>without salary</td>
<td>10-12-63</td>
<td></td>
</tr>
</tbody>
</table>
JEDLICZKA, ZOFIA, Assistant in Pediatrics (Medicine), 1/2 time, and Pediatrician (Division of Services for Crippled Children), 1/2 time, eleven months from October 1, 1963, $5,600 a year, supersedes (10-17-63).

KACHRU, RAJ B., Research Associate in Linguistics, eleven months from October 1, 1963, $6,100 a year (10-31-63).

KAPCHE, ROBERT W., Clinical Assistant in Psychology (Department of Psychiatry), one year from October 1, 1963, without salary (10-17-63).

KARNE, M. RAY, Teacher Training Adviser (Campus Office of A.I.D. Projects) for service under Contract US AID/AFE 132 at Njala College, Njala, Sierra Leone, October 5, 1963-February 4, 1964, $1,766.11 a month; and Professor of Vocational and Technical Education, indefinite tenure, and Chairman of the Department, February 5, 1964-August 31, 1965 (College of Education), to render service during each academic year, $14,450 a year, supersedes (10-13-63).

KATAGUE, DAVID B., Research Assistant in Psychiatry (Medicine), September 8, 1963-August 31, 1964, $5,150 a year (10-22-63).

KESLER, RICHARD P., Research Assistant in Farm Management (Agricultural Economics) (S), full time for three months from November 1, 1963, $2,000; 1/2 time for five months from February 1, 1964, $1,666.65; and 2/3 time from July, 1964, $888.90 (10-17-63).

KOZLOW, ROBERT D., Research Associate in Data Processing and Systems (Librarian) and Instructor in Library Administration (Chicago Undergraduate Division), one year from September 1, 1963, $6,100, supersedes (11-1-63).

KRAATZ, JAMES, Research Assistant in Education (University High School Mathematics Project), nine months from September 16, 1963, $4,200 (10-17-63).

KRONTHAL, ALFRED, Assistant in Ophthalmology (Medicine), one year from July 1, 1963, without salary (10-17-63).

KUHL, MRS. DOROTHY, Assistant in Psychiatry (Medicine), one year from September 1, 1963, without salary (10-17-63).

LAGOW, JOYCE B., Assistant in Animal Science (S), eleven months from October 1, 1963, $4,766.63 (10-29-63).

LATT, CARLA N., Assistant in Elementary Education (College of Education), nine months from September 16, 1963, $4,500, supersedes (10-24-63).

LEARNER, ARNOLD, Visiting Assistant Professor of Mathematics, nine months from September 16, 1963, $8,500, supersedes (11-6-63).

LEONHARD, ZELMA B., Visiting Lecturer in English (Chicago Undergraduate Division), 1/4 time, for first semester of the academic year beginning September 16, 1963, $3,000 (10-21-63).

LEWIS, DAVID G., Visiting Research Associate in Agronomy (S), one month from December 1, 1963, $533.34 (10-22-63).

LUCAS, ROBERT A., Research Assistant in English, one year from September 1, 1963, $6,000 (10-17-63).

MAMOREA, EUGENE, Clinical Assistant in Dermatology (Medicine), eleven months from October 1, 1963, without salary (10-21-63).

MANN, RANDALL L., Clinical Instructor in Medicine (Medicine), one year from September 1, 1963, without salary (10-12-63).

MAURATH, JEROME D., Intern in the Student Counseling Service, ten months from November 1, 1963, $4,291.70, supersedes (10-31-63).

McCAMISH, JOAN, Assistant Professor of Microbiology, two years from September 1, 1963, to render service during each academic year, $8,000 a year, supersedes (10-10-63).

McGUIRE, JANICE G., Research Assistant in Microbiology, eleven months from October 1, 1963, $4,950 (10-17-63).


MIER, MRS. SALLY J., Assistant in Occupational Therapy (Medicine), October 21, 1963-August 31, 1964, $5,600 a year (11-6-63).

MILLER, RAYMOND P., Research Associate in Civil Engineering (C), academic year beginning September 1, 1963, $6,300 (10-29-63).

MILLER, MRS. ROSEMARY J., Resident Manager of Graduate Residence Halls, one
year from September 1, 1963, $600; in addition she will be provided a furnished apartment in the Graduate Halls (10-12-63).

MULLEN, THOMAS F., Assistant in Speech (Chicago Undergraduate Division), nine months from September 16, 1963, $4,600, supersedes (10-17-63).

MULLINS, WILLIAM N., Assistant in Education (University High School), nine months from September 16, 1963, $5,800 (10-15-63).

NADE, ALFRED J., Assistant in Ophthalmology (Medicine), one year from July 1, 1963, without salary (10-17-63).

NELSON, WILFRED H., Research Associate in Chemistry, October 21, 1963-August 31, 1964, $6,100 a year, supersedes (10-25-63).

OKUYAMA, DAITARO, Visiting Research Associate in Electrical Engineering (S), eleven months from October 1, 1963, without salary (10-12-63).

OPPENLANDER, RENATE, Research Assistant in Electrical Engineering (C), one year from September 1, 1963, $5,300 (11-6-63).

PANKOWSKI, DALAS J., Instructor in Vocational and Technical Education (College of Education), academic year beginning September 1, 1963, $7,200 (10-12-63).

PARZEN, ZANE D., Clinical Instructor in Psychiatry (Medicine), 3/10 time, eleven months from October 1, 1963, $3,000 a year, supersedes nonsalaried appointment (10-21-63).

PETRO, ROBERT, Research Assistant in Pediatrics (Medicine), ten months from November 1, 1963, $5,150 a year (10-17-63).

PHELICORE, RAYMOND J., Clinical Assistant Professor of Orthopaedic Surgery (Medicine), 3/4 time, one year from July 1, 1963, $3,000, supersedes nonsalaried appointment (11-7-63).

PERKISAT, CHARLES F., Research Associate in Physics (C), eleven months from October 1, 1963, $6,800 a year, supersedes (10-18-63).

PHILLIPS, JOSERPHINE, Research Assistant Professor of Elementary Education, 2/10 time, and of Education (University High School), 3/10 time, one year from September 1, 1963, $6,350, supersedes (10-12-63).

PIPER, WILLIAM J., Clinical Instructor in Psychiatry (Medicine), 1/4 time, eleven months from October 1, 1963, $3,500 a year, supersedes (10-21-63).

POWERS, RICHARD J., Clinical Instructor in Medicine (Medicine), September 16, 1963-August 31, 1964, without salary (10-12-63).

PRAI'E, BARBARA B., Research Assistant in Chemistry, eleven months from October 1, 1963, $5,041.63 (10-24-63).

RAGADE, INDUKANTH S., Research Associate in Chemistry, eight months from January 1, 1964, $6,100 a year (11-7-63).

RAZ, AMIRAM, Assistant in Food Science (C), September 1-September 15, 1963, $233.33 (10-24-63).

REED, KENNETH W., Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), ten months from November 1, 1963, $4,666.60 (11-5-63).


ROSS, MRS. JUNE P., Research Associate in Geology, eleven months from October 1, 1963, $7,200 a year (11-7-63).


SAGEN, H. BRADLEY, Assistant Director of Bureau of Institutional Research, with rank of Assistant Professor (Executive Vice-President and Provost's Office), and Assistant Professor of Educational Psychology (College of Education), two years from September 1, 1963, $9,300 a year, supersedes (11-1-63).

SALOMON, LAWRENCE, Instructor in Art (Chicago Undergraduate Division), 3/4 time, five months from September 1, 1963, $2,000 (10-12-63).

SALTZMAN, STANTON W., Instructor in Radio and Television (College of Journalism and Communications), academic year beginning September 1, 1963, without salary; this is in addition to his nonsalaried appointment (10-12-63).

SANHAM, JANE M., Assistant in Nursing, nine months from September 16, 1963, $5,500 (10-17-63).
SANZONE, GEORGE J., Research Engineer (Mass Spectrometer) in Chemistry, 1/2 time, one year from September 1, 1963, $6,500, supersedes (10-28-63).

SCHRADMANN, ARTHUR R., Assistant in Psychiatry (Medicine), July 1, 1963-August 31, 1964, without salary (11-7-63).


SCRUGGS, WILLIAM, Research Assistant in Psychiatry (Medicine), ten months from November 1, 1963, $6,450 a year, supersedes (10-17-63).

SEATON, SCOTT, Instructor in Architecture, 1/2 time, to render service during the first semester of the academic year, 1963-64, $2,500 (10-21-63).

SHIMONY, ZVI, Visiting Research Associate in Electrical Engineering (C), September 16, 1963-August 31, 1964, $6,000 a year, supersedes (10-12-63).

SHIRAI, TAISHIRO, Research Associate in the Institute of Labor and Industrial Relations, ten months from October 1, 1963, $5,550 (10-12-63).

SHULMAN, MORTON, Instructor in Anesthesiology, Division of Anesthesiology, Department of Surgery (Medicine), ten months from November 1, 1963, without salary (11-6-63).

SILVERMAN, LORETTA E., Instructor in Physics (Chicago Undergraduate Division), to render service during the academic year, October 7, 1963-August 31, 1964, $6,500 a year, supersedes (10-21-63).

SPENCER, ANN B., Instructor in Medical Social Work (Medicine), November 15, 1963-August 31, 1964, $6,950 a year (11-6-63).

STONE, PETER, Instructor in Anthropology (Chicago Undergraduate Division), 9/10 time, academic year beginning September 1, 1963, $5,200 (10-11-63).

STROOM, LOWELL M., Instructor in Architecture, academic year beginning September 1, 1963, $7,500 (10-12-63).

SWOISKIN, BERNARD L., Research Associate in Oral and Maxillofacial Surgery (Dentistry), 1/2 time, eleven months from October 1, 1963, $1,500 a year (10-12-63).

TEFFT, MRS. GLORIA B., Assistant Editor in Agriculture, with rank of Instructor, and Instructor in Agricultural Economics (S), one year from September 1, 1963, $6,100, supersedes (10-21-63).

THOMPSON, EDWARD C., Clinical Assistant Professor of Oral and Maxillofacial Surgery (Dentistry), one year from September 1, 1963, without salary (11-1-63).

THOMPSON, MARSHALL R., Instructor in Civil Engineering (C), nine months from September 16, 1963, $7,000, supersedes (10-15-63).

TROUGHTON, E., Field Biologist in the State Natural History Survey and in the Graduate College, four months from November 1, 1963, $1,900 (10-24-63).

WALKER, JAMES M., Research Associate in Surgery (Medicine), one year from September 1, 1963, $12,000 (10-21-63).

WALSH, THOMAS G., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) one year from September 1, 1963, without salary (11-1-63).

WEBB, ROBERT J., Adviser in Farm Management (Campus Office of A.I.D. Projects), for service under Contract AIDc-1258 at the U. P. Agricultural University, Panthagar, India, eight months from November 1, 1963, $16,000 a year; and Professor of Agricultural Research and Extension, and Superintendent of Dixon Springs Experiment Station, indefinite tenure from July 1, 1964, $14,600 a year, supersedes (10-14-63).

WITMER, ROGER C., Lecturer on Materials and Methods of Construction, Department of Architecture (Chicago Undergraduate Division), 1/2 time, five months from September 1, 1963, $1,500 (10-12-63).

WITHEW, GREENE R., Research Assistant in Psychiatry (Medicine), ten months from November 1, 1963, $6,150 a year, supersedes (10-17-63).

WILSON, ELEANORE, Project Assistant in the State Natural History Survey and in the Graduate College, three months from October 1, 1963, $900 (10-17-63).

WOLF, MRS. LINDA M., Instructor in Anthropology (Chicago Undergraduate Division), 1/2 time, academic year beginning September 1, 1963, $3,200 (10-16-63).

WOLFE, SHARON, Research Associate in the Institute of Communications Research (College of Journalism and Communications), 1/2 time, and in Psychology (College of Liberal Arts and Sciences), 1/2 time, academic year beginning September 1, 1963, $3,600 (10-10-63).
YAHIRO, ERNEST I., Instructor in Pediatrics (Medicine) and Pediatrician (Division of Services for Crippled Children), 1/2 time, one year from September 1, 1963, $1,800, supersedes (10-21-63).

FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ALKIRE, WILLIAM H., United States Public Health Service Predoctoral Fellow in Anthropology, one year from October 1, 1963, $2,200 (10-25-63).

ANDERSON, SONIA R., Parke Davis and Company Fellow in Chemistry, nine months from September 16, 1963, $2,250 (10-7-63).

ANNSBRO, JOHN F., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, $600 (9-30-63).

ANTONIO, JAMES F., General Electric Foundation Fellow in Accounting, nine months from September 16, 1963, $1,000 (10-4-63).

BEAUCHAMP, JAMES W., Magnavox Fellow in Electrical Engineering (and Music), one year from September 1, 1963, $4,000 (10-15-63). 

BECKER, ALETHIA ANN H., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (10-1-63).

BELMORE, BARBARA, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (10-2-63).

BIIDULPH, DAVID M., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, $3,250 (9-26-63).

BOBITT, JOHN R., Medical Student Alternative Quarter Fellow, three months from October 1, 1963, $200 (10-4-63).

BREMWER, ALBERT H., National Lead Company (Titanium Division) Fellow in Ceramic Engineering, nine months from September 16, 1963, $1,450 (10-2-63).


BRODER, STEFANI, United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, $1,900 (9-12-63).

BROWN, SHARON L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,751.88, supersedes (10-8-63).

BRUNCKHORST, BARBARA L., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, $2,000 (9-24-63).

CADEK, LAWRENCE M., Part-time Medical Student Research Fellow in Biological Chemistry, October 1, 1963-June 15, 1964, $350 (10-2-63).

CALDARELLI, DAVID D., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, $600 (10-1-63).

CAMPANA, JOSEPH A., Fellow in Business Administration, nine months from September 1, 1963, $3,600 (10-4-63).

CARROLL, JOHN M., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from September 1, 1963, $5,500 (10-2-63).

CAVE, MACDONALD, United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, $200 a month (10-4-63).

CHO, FREDERICK YI-TUNG, United States Public Health Service Fellow (Trainee) in Biophysics, September 16, 1963-January 31, 1964, $999.75 (10-3-63).

CHOCOLAS, RONALD G., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, $600 (10-4-63).

CONAWAY, C. CLIFFORD, United States Public Health Service Fellow (Trainee) in Entomology, ten months from September 1, 1963, $2,400 (9-30-63).

D'AGOSTINO, ANTHONY, Part-time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1963, $600 (9-30-63).

DI GIAGIO, ELMO L., Raymond Concrete Pile Company Fellow (in memorial to A. E. Cummings) in Civil Engineering, nine months from September 16, 1963, $1,500 (10-18-63).

DICK, RICHARD I., United States Public Health Service Predoctoral Fellow in Civil Engineering, one year from September 1, 1963, $4,000 (9-10-63).
DIXON, DIXIE L., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (10-31-63).

DVORAK, PAUL F., Part-time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1963, $600 (9-30-63).

FRANK, IRA M., Part-time Medical Student Research Fellow in Psychiatry, eight months from October 16, 1963, $533.33 (10-9-63).

FUSS, CAROLYN S., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, $1,750 (9-27-63).

GAUCHER, GEORGE M., Smith, Kline, French Postdoctoral Fellow in Chemistry, eleven months from October 1, 1963, $6,416.63 (10-31-63).


GREEN, DOROTHY R., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (10-15-63).

HALL, MILLARD W., United States Public Health Service Predoctoral Fellow in Civil Engineering, one year from September 16, 1963, $3,500 (10-16-63).

HARTL, ADRIENNE L., Fellow in English, nine months from September 16, 1963, $2,000; and two months from June 16, 1964, $500, supersedes (10-7-63).


HENDRICKS, RICHARD A., Part-time Medical Student Research Fellow in Medicine, nine months from September 16, 1963, $600 (10-14-63).

HOVEY, SHARON R., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, $1,800 (9-24-63).

JAKSTYS, MRS. BIREUTE A., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, $2,350 (9-26-63).


JONES, MRS. LETHONEE A., Vocational Rehabilitation Administration Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (10-25-63).

KANEY, ANTHONY R., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, $3,000 (8-16-63).

KASSER, STEPHEN H., Part-time Medical Student Research Fellow in Pathology, nine months from September 16, 1963, $600 (9-30-63).

KIRBY, JOHN S., Douglas Aircraft Company Fellow in Aeronautical and Astronautical Engineering, February 1-June 15, 1964, $1,100; and September 16-January 31, 1965, $1,100 (10-24-63).


KORSGOER, ALAN J., Part-time Medical Student Research Fellow in Medicine, nine months from September 16, 1963, $600 (9-30-63).

KOSTNER, MARY C., United States Public Health Service Fellow (Nurse Trainee) in the College of Nursing, September 30, 1963-June 12, 1964, and September 28-December 17, 1964, $200 a month (10-3-63).

KRIEGER, GEORGE W., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, $2,000 (9-23-63).

LEVIN, NATHAN W., United States Public Health Service Fellow (Special) in Medicine, September 26, 1963-January 25, 1964, without salary (10-17-63).

LEVY, HOWARD B., United States Public Health Service Fellow (Trainee) in Physiology, nine months from September 16, 1963, $2,000, supersedes (10-17-63).

MAGNUS, DAVID P., Part-time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1963, $600 (9-30-63).

MCINTOSH, CHARLES, Part-time Medical Student Research Fellow in Surgery, nine months from September 16, 1963, $600 (9-30-63).
MOEHLIS, RONALD D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,574, supersedes (10-9-63).
MOONAN, MAURICE L., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, $1,500 (9-30-63).
MUELLER, KARL H., United States Public Health Service Fellow (Trainee) in Orthopaedic Surgery, one year from July 1, 1963, $6,000 (9-24-63).
MURRAY, RUBY H., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (8-13-63).
NOTEBOOM, WILLIAM D., United States Public Health Service Predoctoral Fellow in Physiology, one year from October 1, 1963, $2,200 (10-16-63).
O'LEARY, KEITH D., United States Public Health Service Predoctoral Fellow in Psychology, nine months from September 16, 1963, $2,000 (9-24-63).
OVERBY, LACY R., Postdoctoral Fellow (Trainee) in Microbiology, 1/4 time, seven months from August 1, 1963, $1,400 (8-27-63).
PARKS, JOE M., United States Public Health Postdoctoral Fellow in Chemistry, five months from September 1, 1963, $3,666.65 (10-12-63).
PATTON, THOMAS H., JR., United States Public Health Service Predoctoral Fellow in Sanitary Engineering, one year from September 16, 1963, $2,700 (9-17-63).
PLATT, SHEILA C., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $2,000 (10-3-63).
POLSky, ROBERT N., Part-time Medical Student Research Fellow in Pathology, nine months from September 16, 1963, $600 (9-30-63).
PRIER, RICHARD L., Postdoctoral Fellow in Chemistry, eleven months from October 1, 1963, $7,333.26 (10-31-63).
RAISYS, VIDMANTAS A., United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, $1,916.66 (10-1-63).
ROSE, ROGER A., Medical Student Alternative Quarter Fellow, three months from October 1, 1963, $200 (10-1-63).
RYAN, ROBERT P., Vocational Rehabilitation Fellow (Trainee) in Education, nine months from September 16, 1963, $3,400 (10-4-63).
RYCKMAN, DAVID B., United States Office of Education Fellow in Education, nine months from September 16, 1963, $3,400 (10-4-63).
SCHLAF, RODGER, United States Public Health Service Fellow (Trainee) in Biological Chemistry, ten months from September 1, 1963, $2,000 (10-1-63).
SCHLAF, RICHARD A., Part-time Medical Student Research Fellow in Otolaryngology, nine months from September 16, 1963, $600 (9-30-63).
SCHULLER, MICHAEL D., Part-time Medical Student Research Fellow in Pediatrics, nine months from September 16, 1963, $600 (9-30-63).
SILVER, RICHARD A., Part-time Medical Student Research Fellow in Otolaryngology, nine months from September 16, 1963, $600 (9-30-63).
SLOAN, DENNIS E., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, $600 (9-30-63).
SOJA, DOROTHY M., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,200 (9-24-63).
Squier, Beverly J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, $1,800 (10-2-63).

Strahs, Gerald, United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, $2,700 (10-10-63).

Taylor, Howard P., Part-time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1963, $600 (9-30-63).

Taylor, James W., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, $3,200 (11-5-63).

Thomas, John A., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,200 (10-8-63).

Tornheim, Mrs. Patricia, United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, $1,950 (9-20-63).


Tuteur, Peter G., Part-time Medical Student Research Fellow in Medicine, eight months from October 16, 1963, $533.33 (10-15-63).

Van Dyck, Peter C., Part-time Medical Student Research Fellow in Physiology, nine months from September 16, 1963, $600 (9-30-63).

Veit, Marcia A., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, $2,200 (9-23-63).

Victor, Thomas A., Part-time Medical Student Research Fellow in Pathology, nine months from September 16, 1963, $600 (9-30-63).

Voler, Patsy R., Vocational Rehabilitation Administration Fellow (Trainee) in Education, September 16, 1963-January 31, 1964, $1,000 (10-14-63).

Ward, Jack A., United States Public Health Service Predoctoral Fellow in Zoology, one year beginning September 16, 1963, $2,000 (9-30-63).


White, Joan F., Postdoctoral Fellow (Trainee) in Entomology, nine months from October 1, 1963, $4,500 (9-26-63).

Wicks, Albert J., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1963, $1,500 (9-30-63).

Wiggins, Thomas M., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, $600 (10-2-63).

Windmuller, Louise E., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, $1,800 (10-7-63).

Windom, Sulsa D., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, $2,000 (9-23-63).

Wolfson, Ronald, Part-time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1963, $600 (9-30-63).

Woodford, Wayne P., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, $1,850 (9-20-63).

Zharaz, David, Part-time Medical Student Research Fellow in Pathology, nine months from September 16, 1963, $600 (9-30-63).

Zeilenga, Suzanne G., United States Public Health Service Fellow (Trainee) in Anatomy, nine months from September 30, 1963, without salary (10-2-63).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

Barry, Dennis R., Registered Pharmacist in Hospital Pharmacy (Pharmacy) — resignation effective October 22, 1963.


Braunfeld, Peter G., Research Assistant Professor in the Coordinated Science Laboratory — resignation effective November 1, 1963.

Callahan, Gary D., Microanalyst in Chemistry — resignation effective September 21, 1963.

Crumpacker, Daniel, Associate Professor of Military Science and Head of the Department (Chicago Undergraduate Division) — declination effective September 1, 1963.

Davis, Thomas N., III, Clinical Assistant Professor of Psychiatry (Medicine) — termination effective October 1, 1963.

Dhar, Augustus I., Assistant Professor of Physics (Chicago Undergraduate Division) — resignation effective October 1, 1963.

Donegan, Rosa M., National Science Foundation Institute Fellow in Mathematics — resignation effective September 1, 1963.

Farley, Jane C., Clinical Assistant Professor of Psychology (Medicine) — termination effective October 1, 1963.

Fetters, Joseph I., Head in Firemanship Training — resignation effective January 1, 1964.

Gleser, Goldine C., Research Associate Professor of Education in the Bureau of Educational Research — declination effective September 1, 1963.

Guillou, John C., Associate Professor of Hydraulic Engineering (Civil Engineering) — resignation effective October 1, 1963.


Kamara, Allieu, Research Assistant in Preventive Medicine (Medicine) — declination effective September 1, 1863.

McMullen, Stewart Y., Professor of Management — resignation effective March 1, 1964.

Morgan, Martha A., Research Associate in Elementary Education — resignation effective December 1, 1963.

Mukherji, Partha, Research Assistant in Sociology — resignation effective October 1, 1963.

Puliam, William E., Assistant in Education (University High School) — declination effective September 16, 1963.


Schrader, Rudolf, Visiting Associate Professor of Physics — declination effective October 1, 1963.

Sharp, James B., United States Public Health Service Fellow (Trainee) in Veterinary Medical Sciences — resignation effective November 1, 1963.

Stephens, John K., National Science Foundation Cooperative Fellow in Mathematics — resignation effective November 1, 1963.

Storey, David A., Assistant Professor of Agricultural Marketing (Agricultural Economics) — resignation effective November 20, 1963.

Wang, I. Chih, Research Associate in Theoretical and Applied Mechanics — declination effective September 1, 1963.


Leaves of Absence

Bowen, Barbara C., Assistant Professor of French — disability leave of absence for the month of September, 1963, with full pay; and from October 1, 1963, through January 31, 1964, leave without pay.

De Charms, Desiree, Music Library Assistant in the Library, with rank of Instructor — leave of absence, without pay, for three months from February 1, 1964, so that she may travel abroad.

De Maris, Edwin J., Professor of Industrial Administration and Head of the Department, and Professor of Accountancy — sabbatical leave of absence granted him for second semester, 1963-64, is hereby cancelled, without prejudice.

Glenn, Norval D., Assistant Professor of Sociology — leave of absence, without pay, during the second semester of 1963-64, so that he may accept an appointment as a Visiting Assistant Professor at the University of Texas.

Ormsbee, Allen I., Professor of Aeronautical and Astronautical Engineering,
in the College of Engineering—leave of absence, without pay, for the second semester of the academic year, 1963-64, so that he may serve as a Visiting Professor at the University of California in Los Angeles.

THOMSON, ROBB M., Professor of Physical Metallurgy, in the College of Engineering—leave of absence, without pay, for three months from February 1, 1964, so that he may serve as Visiting Professor at the University of Tokyo.

VARZANDER, MASSOUD, Research Associate in Radiology (Medicine)—leave of absence on account of disability, without pay, from September 9, 1963, and continuing until further notice.

RETIREEEMENTS

CRAMER, RALPH E., Research Associate Professor of Engineering Materials, in the Department of Theoretical and Applied Mechanics (College of Engineering)—retirement effective October 15, 1963.

MENEFEE, SHERMAN G., Associate in Dairy Chemistry—retirement from active University service effective on the date that Mr. Menefee attains age fifty-five.

PETESEH, EARL D., Farm Adviser for Montgomery County—retirement from active University service effective September 1, 1963.

SWANSON, JOHN W., Professor of Speech—retirement effective September 1, 1964.

FUTURE BOARD MEETINGS

President Clement announced that the next two meetings will be held, as scheduled, on December 18, 1963, and January 15, 1964, and that the December meeting will be held at the First National Bank of Chicago on invitation of its officers.

On motion of Mr. Johnston, the Board voted to hold the January meeting in Chicago.

RECESS AND EXECUTIVE SESSION

President Clement announced that an Executive Session has been requested and was being ordered for consideration of staff appointments and would be held after a brief recess.

On motion of Mrs. Watkins, the Board recessed.

When the Board reconvened in Executive Session, the same members and University officers were present as recorded at the beginning of these minutes, with the exception of Mr. Swain who asked to be excused.

The President of the University presented the following recommendation.

DEANSHIP OF THE GRADUATE COLLEGE

(1) A recommendation for the appointment of Dr. Frederick Seitz, Professor and Head of the Department of Physics, as Dean of the Graduate College to succeed Dean F. T. Wall, who has resigned the deanship, will be submitted to the Board of Trustees at its December meeting. I shall also recommend that the Board establish a new position of "Vice-President for Research" and that Dr. Seitz be appointed to that office.

In the meantime, I request approval of this recommendation so that I may submit a formal offer to Professor Seitz; I also request authorization to announce that his appointment will be recommended to the Board if acceptance is assured. The full details of this appointment will be submitted to the Board with the formal recommendation at its December meeting.

On motion of Mrs. Watkins, these recommendations were approved.

On motion of Mrs. Watkins, the Board adjourned.

STUDENT GUESTS OF THE BOARD

Following adjournment, a group of twenty-five undergraduate students...
who are officers in the Student Senate and in other student organizations were guests of the Board at luncheon. A number of them also attended the Board meeting.

**FOOTBALL GAME WITH MICHIGAN STATE UNIVERSITY**

Mr. Dilliard requested that the minutes of today's meeting record that he did not at any time after the assassination of President Kennedy on Friday, November 22, approve of the plan to play the football game with Michigan State University at East Lansing, on Saturday, November 23, and that he proposed postponement, as was subsequently arranged, to Thanksgiving Day, November 28, 1963.

A. J. Janata  
*Secretary*

Howard W. Clement  
*President*
The December meeting of the Board of Trustees of the University of Illinois was held in the Board of Directors' Room of the First National Bank of Chicago, Chicago, Illinois, on Wednesday, December 18, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Governor Otto Kerner was absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Mr. V. L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary. Mr. C. W. Weldon, former Treasurer of the Board, was a guest at the meeting.
BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT
President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES
(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

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<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
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<tbody>
<tr>
<td>BILLY KENNETH CHEEK</td>
<td>Springfield, Illinois</td>
<td>Texas</td>
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<tr>
<td>LAURENCE FIRMAN HASKET</td>
<td>Indianapolis, Indiana</td>
<td>Indiana</td>
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<td>WAYNE ALFRED KAUTH</td>
<td>Chicago, Illinois</td>
<td>Wisconsin</td>
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<tr>
<td>PAUL LAWRENCE MACK</td>
<td>Warson Woods, Missouri</td>
<td>Missouri</td>
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<td>ROBERT BRUCE PICKENS</td>
<td>Naperville, Illinois</td>
<td>Pennsylvania</td>
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I concur.

On motion of Mr. Johnston, these certificates were awarded.

DEANSHIP OF THE GRADUATE COLLEGE AND VICE-PRESIDENT FOR RESEARCH
(2) On the unanimous recommendation of a committee appointed to make nominations for the position of Dean of the Graduate College, and after consultation with the Executive Committee of the College, I recommend the appointment of Dr. Frederick Seitz, Professor and Head of the Department of Physics, as Dean of the Graduate College.

I recommend further — after consultation with the Academic Advisory Council and the Executive Committee of the Graduate College — that the Board establish a new position with the title “Vice-President for Research,” and that Dr. Seitz also be appointed to that office. The great expansion in the University's research activities in recent years — especially through support provided by outside agencies — has created a growing need for greater administrative attention to the problems related to the coordination of these activities with other University functions. In his role as Vice-President for Research, Dr. Seitz would:
(a) study the needs of the University for the support of research in all areas; 
(b) assist faculty members and departments in securing the resources needed for their research; 
(c) conduct a continuing appraisal of the impact of outside support of research upon graduate study and upon the remainder of the University's research program; 
(d) make policy recommendations to the President concerning the quality, balance, and long-range directions of the University's overall research program.

It seems highly desirable to associate these important tasks closely with those presently assigned to the Dean of the Graduate College. Under the University's Statutes, the Dean of the Graduate College now has important responsibilities for research administration, primarily in relation to the functions of the University Research Board and certain special research units located in the Graduate College. Furthermore, most of the research programs conducted in other colleges and divisions are closely related to the education of graduate students, and are most fruitful when associated with graduate study. In order to assure that close coordination and mutual reinforcement be maintained among these research and educational activities, it seems best to create the kind of dual position proposed for Dr. Seitz.

The total salary for the combined positions will be $29,600 for the calendar year (eleven months of service and a month of vacation with pay).
Dr. Seitz is now on leave from the University to serve as President of the National Academy of Sciences, and this position requires that he be in Washington much of the time. Because of his commitments to the Academy, it is unlikely that he will be available for full-time service at the University before 1965—although it is definite that during the academic year 1964-65 he would be able to devote at least half of his time to the position of Dean and Vice-President. It is therefore recommended that the President of the University be authorized to determine the effective date and other terms of the appointment, in consultation with Dr. Seitz and other University officers concerned, and to make interim provisions for the administration of the Graduate College—these actions to be reported to the Board.

Submitted herewith is the copy of Faculty Letter No. 62, July 16, 1963, issued by the Office of the President, listing the personnel of the Nominating Committee for the Deanship of the Graduate College and giving the full text of the letter of instructions to that Committee.

In its report nominating Professor Seitz, the Committee has stated:

"Although several highly qualified candidates might be identified, the response of the faculty and the general feeling of the members of the Committee indicate that the most outstanding person in the country is Dr. Frederick Seitz, now on leave of absence as Head of our Department of Physics, and currently President of the National Academy of Sciences.

"Many suggestions came from the staff indicating that Dr. Seitz was most highly regarded. The Committee reached the unanimous decision that he would be our first recommendation to you, and that we would seek no additional candidates until a decision had been reached as to Dr. Seitz's willingness to accept the position, and his acceptability to the administration and to the Executive Committee of the Graduate College. We therefore recommend him for your consideration.

"It is unnecessary to described Dr. Seitz's qualities and achievements. They are so universally recognized that we feel that everyone is well acquainted with them. He has had administrative experience both in the Department of Physics and in his position as President of the National Academy. We feel that Dr. Seitz will add to the prestige of the University and the Graduate College, and we have found no one who did not indicate a willingness to work with him and to support him in every way."

On motion of Mr. Swain, these recommendations were approved.

CHAIRMANSHIP OF THE DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURES

(3) Professor Frank Banta, who has been serving as Chairman of the Department of Germanic Languages and Literatures for several years, has asked to be relieved of this administrative responsibility so that he can devote full time to teaching and research, and I recommend that his request be granted.

The Dean of the College of Liberal Arts and Sciences recommends the appointment of Associate Professor Harry G. Haile as Chairman of the Department effective at the beginning of the second semester of 1963-64 and continuing until August 31, 1965, and that he be given additional salary at the rate of $1,000 per year for this administrative responsibility. The recommendation is made after consultation with the Executive Committee of the Department and is concurred in by the Executive Vice-President and Provost and the Dean of the Graduate College.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF SOCIOLOGY

(4) Professor Louis Schneider, who has been serving as Head of the Department of Sociology for several years, has asked to be relieved of this administrative responsibility so that he can devote full time to teaching and research, and I recommend that his request be granted.

The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Daniel Glaser as Head of the Department beginning September 1, 1964, the salary to be determined later when the budget for 1964-65 is submitted to the Board for approval. The recommendation is made after consultation with the Executive Committee of the Department and is concurred in
by the Executive Vice-President and Provost and the Dean of the Graduate College.
I recommend approval.
On motion of Mr. Page, this appointment was approved.

APPOINTMENTS TO THE FACULTY
(5) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.
1. NATHAN S. CAPLAN, Assistant Professor in the Jane Addams Graduate School of Social Work, on one-fourth time, beginning November 1, 1963, at an annual salary of $2,500.
2. PHILIPPE CHOQUARD, Visiting Professor of Physics, on one-half time, for the second semester of 1963-64, at a salary of $4,000.
3. ROBERT F. LOCKE, Clinical Assistant Professor of Preventive Medicine, College of Medicine, beginning December 1, 1963, without salary.
4. EDWARD C. A. RUNGE, Assistant Professor of Soil Classification Extension in Agronomy, beginning November 1, 1963, at an annual salary of $9,500.
5. FREDERICK J. SIMPSON, Visiting Professor of Microbiology, second semester of 1963-64, at a salary of $7,000.
6. CARL R. WOESE, Associate Professor of Microbiology, beginning February 1, 1964, at an annual salary of $15,000.
On motion of Mr. Swain, these appointments were confirmed.

DEPARTMENT OF SLAVIC LANGUAGES AND LITERATURES
(6) The Department of Russian has recommended, and the Executive Committees of the Division of Humanities and of the College of Liberal Arts and Sciences concur, that the name of the Department be changed from Department of Russian to Department of Slavic Languages and Literatures.
I concur.
On motion of Mr. Hughes, this recommendation was approved.

CONTRACT FOR CONSTRUCTION OF SANITARY SEWER CONNECTION FOR ORCHARD PLACE HOUSING
(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $13,125.50 to Clancy Construction Company, Urbana, the lowest bidder, for construction of two new collector sewer systems in the Orchard Place housing area to provide flow channels in the existing and new manholes and to divert the adjacent laundry outlet to the Orchard Downs system.
Funds are available from Housing Division Operations.
I concur.
On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

AWARD OF CONTRACT FOR STEAM SERVICE TO THE REHABILITATION-EDUCATION BUILDING, URBANA-CHAMPAIGN CAMPUS
(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract of $15,724.00 to Gallaher and Speck, Chicago, the lowest bidder, for the extension of steam service to the new Rehabilitation-Education Building, now under construction at the corner of Oak Street and Stadium Drive.
Funds are available in the state capital appropriations to the University from the Universities Building Fund.
I concur.
On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.
CONVEYANCE OF LAND TO DEPARTMENT OF MENTAL HEALTH

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend conveyance of title to the state of Illinois to the property needed as a site for a Department of Mental Health Clinic to be constructed on University land adjacent to the Children's Research Center which will be constructed by the University in the area south of the Agricultural Experiment Station farmlands and adjoining First Street extended.

The Department of Mental Health is constructing laboratories and clinics throughout the state. Urbana-Champaign was selected as a site in this area for one of these clinics in order to coordinate its services with research and training facilities at the University of Illinois. The clinic to be constructed by the Department of Mental Health will qualify toward matching funds for a federal health research facilities grant for the Children's Research Center.

An Act of the General Assembly of Illinois authorized the transfer of a site for a Mental Health Clinic to the state of Illinois. The Legal Counsel has prepared the following resolution to accomplish this transfer and I recommend its adoption.

Resolution

Whereas by an act of the Seventy-third General Assembly of the State of Illinois entitled, "An Act to authorize the conveyance of certain real property located in Champaign County, Illinois, by the Board of Trustees of the University of Illinois to the State of Illinois" (SB 1044, approved August 13, 1963), The Board of Trustees of the University of Illinois is authorized to convey and quit claim all right, title, and interest in and to the real property hereinafter described and located in Champaign County, Illinois, to the State of Illinois, and which real property consisting of two parcels hereinafter described shall upon such transfer be under the jurisdiction of the Department of Mental Health and shall be used as a site for a Mental Health Clinic:

Now, Therefore, Be It, and It Hereby Is, Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized and directed to execute, acknowledge, and deliver, in the name and in behalf of, this public corporation, and under its corporate seal, a Quit Claim Deed and such other documents in connection therewith as said Comptroller and Secretary may deem necessary or desirable in order to convey to the State of Illinois title to the real property consisting of two parcels hereinafter described as follows, viz:

Situated in the State of Illinois, the County of Champaign, and being a part of the Southeast One-quarter (SE¼) of Section Twenty-four (24), Township Nineteen North (T 19 N) and Range Eight East (R 8 E) of the Third Principal Meridian, and being also a part of the Southwest One-quarter (SW¼) of Section Nineteen (19), Township Nineteen North (T 19 N) and Range Nine East (R 9 E) of the Third Principal Meridian, and being more fully bounded and described as follows:

Parcel A

Beginning at a point on the West property line of South First Street Road, said point being 53.6 feet distant North of, and 56.76 feet distant East of the SW Corner of the NW ¼ SW ¼ of said Section 19, said point being marked with an iron pipe monument; thence Northerly along the West property line of said South First Street Road, a distance of 320.0 feet to a corner, said corner being marked with an iron pipe monument; thence Westerly along a line parallel to the North line of the SE ¼ SE ¼ of said Section 24, a distance of 730.88 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the East line of said Section 24, a distance of 320.0 feet to a corner, said corner being marked with an iron pipe monument; thence Easterly along a line parallel to the North line of said SE ¼ SE ¼ of Section 24, a distance of 730.88 feet to the place of beginning, containing 5.37 acres, more or less, and

Parcel B

Beginning at a point on the South line of said Section 24, said point being 363.0 feet distant west of the Southeast corner of said Section 24; thence Northerly along a line parallel to the East line of said Section 24, a distance of 946.41 feet to a corner, said corner being marked with an iron pipe monument; thence West-
erly along a line parallel to the North line of said SE ¼ SE ¼ of Section 24, a distance of 420.0 feet to a corner, said corner being marked with an iron pipe monument; thence Northerly along a line parallel to the East line of said Section 24, a distance of 300.0 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the South line of said Section 24, a distance of 515.95 feet to a corner on the South line of said Section 24, said corner being marked with an iron pipe monument; thence Easterly along the South line of said Section 24, a distance of 600.0 feet to the place of beginning, containing 19.44 acres, more or less, but subject to an existing easement over the South 20.0 feet thereof for the operation and maintenance of an electrical distribution line or system.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

ADDITION TO CONTRACT FOR CONSTRUCTION OF ASSEMBLY HALL
(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $7,211.16 in the contract with Felmy-Dickerson Company for construction of the Assembly Hall to modify the tile drainage system under the playing floor, the north and south circular walls, and the filter beds under the lower tiers of seats at the east and west sides of the arena.

Funds are available in the construction budget.

I concur.

On motion of Mrs. Watkins, this change in contract was authorized.

ADDITION TO CONTRACT FOR CONSTRUCTION OF THE CONGRESS CIRCLE CAMPUSS
(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $22,481.99 in the contract with Gust K. Newberg Construction Company, Chicago, for construction of buildings at Congress Circle to provide for changes in the communications system and additional conduit in classrooms and offices.

Funds are available in the construction budget.

I concur.

On motion of Mr. Page, this change in contract was authorized.

BEQUEST OF FRED H. BURT TO COLLEGE OF VETERINARY MEDICINE
(12) The will of the late Dr. Fred H. Burt of Chenoa, for many years a practicing veterinarian, provides a bequest: "The sum of Five Thousand Dollars ($5,000.00) to the University of Illinois, Champaign, Illinois, to be used in the veterinary department in memory of Fred H. Burt."

Dean C. A. Brandly and the Executive Committee and other staff of the College of Veterinary Medicine have advised that the bequest be used to establish a loan fund. While the bequest by itself would have limited long-range value in helping students, this fund deposited with United Student Aid Funds, Incorporated, would establish a reserve that would allow loans aggregating at least $75,000 to students in the College of Veterinary Medicine from their local banks. If all loans are repaid, the original sum would eventually be returned to the University.

Such use of the bequest is approved by the Legal Counsel and the United Student Aid Fund, Incorporated, has agreed to accept the fund, to match at least the first $1,000, to set it up as a reserve separate from the other general U.S.A. Fund established by the University of Illinois, and to administer it exclusively for students in the College of Veterinary Medicine.

Accordingly, authorization is requested to deposit the $5,000 received under the bequest with the United Student Aid Funds, Incorporated, to establish a loan reserve under the conditions described.

On motion of Mr. Hughes, this recommendation was approved.
RESERVE OFFICERS' TRAINING CORPS PROGRAM

The Urbana-Champaign Senate recommends that effective September 1, 1964, the University of Illinois substitute for the requirement of compulsory military training for male freshmen and sophomores, voluntary basic programs in Air Force and Army R.O.T.C.

No other Senate jurisdiction is involved.

I concur.

On motion of Mr. Pogue, this recommendation was approved.

PURCHASES

Purchases Authorized

The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One vehicle, personnel carrier, four cylinder, four-wheel drive, left-hand drive, with standard accessory equipment for use in the U.S. Agency for International Development Sierra Leone project</td>
<td>Agency for International Development</td>
<td>Kaiser Jeep Corp., Toledo, Ohio</td>
<td>$2,522.35</td>
</tr>
<tr>
<td>Four antenna towers, galvanized steel, self-supporting, 80 ft. high, delivered and installed at the Electrical Engineering Bondville site</td>
<td>Electrical Engineering</td>
<td>Rohn Systems, Inc., Peoria</td>
<td>$4,710.00</td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were approved.

Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One eight-channel photographic polygraph and accessories</td>
<td>Pediatrics, Sanborn Co., Chicago</td>
<td>$6,335.00</td>
<td></td>
</tr>
<tr>
<td>Eight motorized, variable height hospital beds with accessories, including safety sides, intravenous rods, and mattresses</td>
<td>Research and Education Hospitals, Chicago</td>
<td>Hill-Rom Co., Inc., Batesville, Ind.</td>
<td>$4,207.60</td>
</tr>
<tr>
<td>Six oscilloscopes, dual trace, basic unit, 20m</td>
<td>Electrical Engineering</td>
<td>Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago</td>
<td>$6,785.00</td>
</tr>
<tr>
<td>One amplifier, plug-in, differential</td>
<td>Five amplifiers, plug-in, dual trace</td>
<td>Six amplifiers, plug-in time base</td>
<td>One frequency counter, 10 cps to 100 mc, in-line (nixie) readout, rack mount, 1 mce gate time, 100 mv sensitivity, stability 5 parts in 10^5 per week</td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were approved.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One bandsaw, vertical, maximum capacity 23 in. by 18 in., metal working, to be used by the Physical Plant metal shop for general maintenance work on the Urbana campus</td>
<td>Physical Plant</td>
<td>Armstrong-Blum Manufacturing Co., Chicago</td>
<td>$ 2,752.20 delivered</td>
</tr>
<tr>
<td>One truck chassis, 1964 model, 43,000 gross vehicle weight, V-8 engine, without trade-in</td>
<td>Physical Plant Storeroom</td>
<td>Coleman &amp; Associates, Rockford</td>
<td>$ 155.00</td>
</tr>
<tr>
<td>One refuse container frame consisting of heavy duty winch, hydraulic hoist, rollers and hydraulic stabilizing jack legs to be mounted on above truck chassis</td>
<td></td>
<td>International Harvester Co., Springfield Chassis</td>
<td>$ 1,858.69</td>
</tr>
</tbody>
</table>

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One ultra-microtome with table and one set of specimen holders</td>
<td>Histology, Chicago</td>
<td>LKB Instruments, Inc., Washington, D.C.</td>
<td>$ 4,080.00 delivered</td>
</tr>
<tr>
<td>Forty-two modular settees consisting of two two-seat units, eleven three-seat units, twenty-four four-seat units, two two-seat units with table, and three three-seat units with table</td>
<td>Medical Center, Chicago (for various clinics)</td>
<td>Rochelle's, Inc., Chicago</td>
<td>$ 9,706.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies consisting of three laboratory carts, one oven, 230 stools, nine lantern slide files, twelve pipette baskets, twenty-four dozen slide boxes, ninety-six rolls aluminum foil, and 700 ounces cover glasses</td>
<td>Medical Center Stores, Chicago</td>
<td>Aloe Scientific Division, Schiller Park</td>
<td>$ 7,999.50 delivered</td>
</tr>
<tr>
<td>One automatic laboratory analyzer</td>
<td>Medical Physiology, Chicago</td>
<td>Technicon Instruments Corp., Chauncey, N.Y.</td>
<td>$ 3,848.00 delivered</td>
</tr>
<tr>
<td>One lot of accessories for an automatic gamma counting system</td>
<td>Medicine, Chicago</td>
<td>Nuclear-Chicago Corp., Chicago</td>
<td>$ 6,418.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies consisting of twelve incubators, four water-baths, four clinical centrifuges and accessories, and forty-eight laboratory carts</td>
<td>Microbiology, Chicago</td>
<td>Aloe Scientific Division, Schiller Park</td>
<td>$ 8,799.50 delivered</td>
</tr>
<tr>
<td>One analog computer and accessories</td>
<td>Otolaryngology, Illinois Eye and Ear Infirmary, Chicago</td>
<td>Sytron-Donner Corp., c/o Carter Electronics, Inc., Chicago</td>
<td>$ 3,785.00 delivered</td>
</tr>
<tr>
<td>One monochromator and accessories</td>
<td>Pharmacology and Pharmacology, Chicago</td>
<td>W. H. Kessel &amp; Co., Inc., Chicago</td>
<td>$ 3,699.00 delivered</td>
</tr>
<tr>
<td>One six-channel polygraph with accessories</td>
<td>Pharmacology, Chicago</td>
<td>Spinco Division, Beckman Instruments Inc., Palo Alto, Calif.</td>
<td>$ 6,056.00 delivered</td>
</tr>
<tr>
<td>504 bottles lipomul I.V.; this is a three-month supply of this item, a high carbohydrate dietary supplement used in pre- and post-operative care</td>
<td>Pharmacy Stores, Chicago</td>
<td>The Upjohn Co., Chicago</td>
<td>$ 2,948.40 delivered</td>
</tr>
<tr>
<td>Calculators, full keyboard, desk type, in the following quantities with the features required:</td>
<td>Agronomy</td>
<td>Monroe Calculating Machine Co., Groups 2, 3, 6 SCM Corp., Groups 4, 7 Friden, Inc., Groups 1, 5</td>
<td>$ 11,048.00, $ 11,360.00, $ 2,275.00 delivered</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>($24,683.00)</td>
</tr>
</tbody>
</table>

(Note: This purchase is from both Institutional Funds, $24,295.00, and Appropriated Funds, $388.00, for a total of $24,683.00.)
Item | Department | Vendor | Cost
--- | --- | --- | ---
Twelve typewriters, standard electric, 13 in. carriage, 86-character keyboard, less trade-in value of five used electric typewriters | Agronomy | International Business Machines Corp., Springfield | $3,470.00 f.o.b.
One oscilloscope, dual beam, with sweep delay of 0.1 microsecond/cm to 50 seconds/cm, complete with plug-in operational amplifier, log adapter, scope-cart with casters, recording camera with bezel, hood, and adapter | Chemistry and Chemical Engineering | Tektronix, Inc., Park Ridge | 4,471.50 f.o.b. Beaverton, Ore
One fourteen-channel interval timer | Civil Engineering | Computer Measurements Co., Chicago | 3,425.00 f.o.b. delivered
1,300 connectors, taper pin printed circuit, with 44-pin contacts | Digital Computer Laboratory | Methode Electronics, Inc., Chicago | 4,745.00 f.o.b. delivered
Item 2—1,000 transistors type 2N1309 | Digital Computer Laboratory | Electronic Components for Industry Co., St. Louis, Mo. | 654.93 f.o.b. delivered (3,204.93)
One multi-channel analyzer, which is a digital storage oscilloscope composed of a 1024 channel magnetic core memory, with built-in controls for displaying the stored data on an external cathode ray oscilloscope | Electrical Engineering | Nuclear Data, Inc., Madison, Wis. | 7,715.50 f.o.b. delivered
Item 1—Ten vacuum tube voltmeters, 10 cps to 4 mc | Electrical Engineering | Hewlett-Packard Co., c/o Crossley Associates, Chicago | 1,600.00 f.o.b. shipping point
Item 2—Three low frequency oscillators, 1 cps to 100 kc | Electrical Engineering | Ballantine Laboratories, Inc., c/o Lang Clineson & Associates, Chicago | 2,500.00 f.o.b. Boonton, N.J.
Item 3—Two square wave generators, 1 cps to 1 mc | Electrical Engineering | W. H. Kessel & Co., Chicago | 5,125.40 f.o.b. delivered
One spectrophotometer system, with quartz optics, and a built-in scale in wave-lengths of from 185 mu to 2,000 mu, including the following components: one monochromator, lamp housing power supply unit, thermostated sample changer and indicator unit | Entomology | W. H. Kessel & Co., Chicago | 5,125.40 f.o.b. delivered
35,000 pounds soft shell clams (mya arenaria), shucked but intact, packed in number 10 C enamel cans, to be delivered as needed as follows: 6,000 lbs. January 22, 1964 9,000 lbs. July, 1964 10,000 lbs. January, 1965 10,000 lbs. June, 1965 | Veterinary Medicine | Maryland Clam Co., Inc., Easton, Md. | 22,662.50 f.o.b. delivered
Photography print processing system, consisting of: Group 1 — Continuous paper processor with electric dryer, roll paper holder, roll paper cutter, all complete with feed assemblies, tanks and reels Group 2 — High resolution electronic contact printer, automatic roll paper transport and counter | Photography | Eastman Kodak Co., Rochester, N.Y. Group 1 | 16,758.00 f.o.b. Rochester, N.Y.
Log Etronics, Inc., Alexandria, Va. Group 2 | 6,400.17 f.o.b. delivered (23,158.97)
Furnish and install heating and cooling equipment in the Aircraft Maintenance Stockroom Building at the University of Illinois-Willard Airport; equipment to consist of three oil-fired, forced air furnaces, one three-ton cooling condenser, and all necessary ducts, pipes, and controls | Institute of Aviation | Nogle & Black, Inc., Champaign | 5,107.00 f.o.b. delivered and installed
On motion of Mr. Johnston, these purchases were authorized.
# University of Illinois

## Comptroller's Report of Contracts (15)

The Comptroller's report of contracts executed during the period November 1 to 30, 1963.

### With Whom

- **Babcock & Wilcox Research Center**
- **National Aeronautics and Space Administration** NaG-392
- **National Aeronautics and Space Administration** NaG-511
- **Peace Corps** PC-(W)-263
- **Peace Corps** PC-(W)-270
- **State of Illinois Department of Mental Health** Project 17-153
- **United States Air Force** AF-AFOSR-107-54
- **United States Air Force** AF-AFOSR-347-54
- **United States Air Force** AF49(638)-1291
- **United States Army** DA-36-039 AMC-03703 (E)
- **International Business Machines Corp.**
- **Illinois Archaeological Survey**
- **State of Illinois Department of Mental Health Project 1723**
- **State of Illinois Department of Mental Health Project 1747**
- **Tee-Pak Foundation**
- **United States Agency for International Development** AID-1258
- **United States Agency for International Development** AID-1453
- **United States Air Force** AF49(638)-672
- **United States Atomic Energy Commission** AT(11-1)-790
- **United States Bureau of Public Roads, Department of Commerce** CPR11-7768

### Purpose

- Study in photothermoelasticity
- Selected radiation and propagation problems related to antennas and probes in magneto-ionic media
- Electron density and collision frequency in the lower ionosphere
- Project in Sierra Leone
- Measurement of volunteer attitude swings in accordance with expectations
- Role of proteins in brain function
- Charged colloidal sized particles for propulsion
- Wall turbulence
- Negotiation and decision-making in complex organizations
- Ionospheric research
- Four items: One type 26 key punch and alterations
- Testing and excavation at the Minier site
- Psychosomatic differentiation in infancy
- Relation of neural metabolism to function
- Various types of films as retardants to deterioration of meat and meat products
- Testing and excavation at the Minier site
- Technical advice and assistance requested by the government of India
- Internal friction techniques in the study of diffusion and phase changes in metals
- Ribonucleic acid in the accumulation of ions by plant cells
- Fatigue of welded beams and girders in structural and low alloy steels

### Amount to be Paid to the University

- $2,600.00
- $28,930.00
- $118,150.90
- $68,934.00
- $20,684.00
- $34,390.00
- $49,829.00
- $70,204.00
- $24,972.00
- $39,323.00
- $341,836.90
- $177.20
- $49,829.00
- $30,224.00
- $24,972.00
- $39,323.00
- $449,054.00
- $672,40
- $22,000.00
- $30,000.00

### Effective Date

- October 1, 1963
- April 1, 1963
- October 1, 1963
- October 1, 1963
- July 1, 1963
- November 1, 1963
- November 1, 1963
- November 15, 1963
- November 14, 1963
- October and November, 1963
- October 17, 1963
- July 12, 1963
- May 21, 1963
- August 15, 1963
- October 25, 1963
- October 29, 1963
- October 23, 1963
- November 1, 1963
- July 1, 1963
With Whom  | Purpose                                      | Amount to be Paid to the University | Effective Date  
--- | --- | --- | ---  
United States Navy N123(953)30508A | Design of a major integrated shipboard antenna system | $ 87,200.00 | September 6, 1963  
United States Navy Nonr-1834(15) | Design and development of selected computer components | 40,000.00 | August 31, 1963  
United States Navy Nonr-1834(19) | Properties of dielectric and semiconducting solids | 20,000.00 | September 11, 1963  
Total | | | $1,043,486.15  

**Adjustments Made in 1963-64 Cost-Plus Contracts**

With Whom  | Purpose                                      | Amount  | Date  
--- | --- | --- | ---  
George S. Grimmett and Company (Plastering) | Seventy-three items: $346.79 deducted to $500.00 | $1,028.86 | October and November, 1963  

This report was received for record.

**INVESTMENT REPORT**

**Report of the Finance Committee**

(16) The Finance Committee reported the following changes in investments of endowment and other funds for the month of October, 1963:

**Pool**

Purchase

$5,000 U. S. Treasury bonds 4 per cent 8/15/72 $4,990.63

**Report of the Comptroller**

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

**Current Funds**

Restricted Group (June 20, 1962)

Purchase

$400,000 U. S. Treasury bills 10/31/63 $399,409.78  
600,000 U. S. Treasury bills 11/14/63 598,040.00

**Construction Funds**

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase

$115,000 U. S. Treasury bills 2/13/64 $113,684.72

Congress Circle Union (June 19, 1963, Chicago)

Purchase

$55,000 U. S. Treasury bills 2/20/64 $54,365.50

Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953, Chicago)

Purchase

$100,000 U. S. Treasury bills 1/23/64 $99,118.00  
225,000 U. S. Treasury bills 4/23/64 220,882.00

Illini Union and Health Center (December 21, 1960)

Sale

$40,000 U. S. Treasury certificates 3½% per cent 11/15/63 $40,012.50

Illinois Street Residence Halls (October 17, 1962)

Sale

$157,000 U. S. Treasury notes 4½% per cent 11/15/63 $157,245.31

Orchard Downs Apartments (June 14, 1960)

Purchase

$110,000 U. S. Treasury bills 12/12/63 $109,431.91

Orchard Downs Apartments Addition (May 24, 1962)

Purchase

$92,000 U. S. Treasury bills 12/12/63 $91,524.87
Pennsylvania Avenue Residence Halls (June 21, 1961)
Purchase
$100 000 U. S. Treasury bills 12/12/63 $ 99 480 44

Student Services Building (May 17, 1961)
Purchase
$30 000 U. S. Treasury bills 12/12/63 $ 29 844 14

Sinking Funds
Assembly Hall (June 23, 1959)
Purchase
$225 000 U. S. Treasury bills 3/19/64 $221 346 00

On motion of Mr. Williamson, this report was received for record.

REPORT OF GIFTS AND FUNDS RECEIVED FROM OUTSIDE SOURCES
(17) Following is a report of gifts, grants, and contract funds received by the University during the fiscal year July 1, 1962, through June 30, 1963. This report includes funds from private donors and funds received from governmental agencies and covers all payments received during the fiscal year. A period of several months may elapse between the time an offer is received and accepted and final payment is made, which will account for the listing here of some gifts of funds, such as for scholarships and fellowships, for the academic year 1962-63 and others for 1963-64.

A number of these grants and gifts were previously reported to the Board when the offers were received, and likewise the Comptroller's monthly reports have included numerous research contracts for which funds had not been received at the time of reporting. These funds are being included here in order to present a complete report of all funds received from outside sources during the fiscal period 1962-63.

The contracts have all been properly executed by the Secretary and the Comptroller of the Board. All gifts and grants reported have been accepted and duly acknowledged by the President or other appropriate University officer with an expression of appreciation on behalf of the University and the Board of Trustees.

Colleges and Schools at Urbana-Champaign
Undergraduate Scholarships
1. Aerojet-General Corporation, Azusa, California: scholarship in ceramic engineering, academic year 1962-63 $ 500 00
2. Alcoa Foundation, Pittsburgh, Pennsylvania: scholarships in ceramic engineering ($625), metallurgical engineering ($625), and civil engineering ($625), academic year 1963-64 1 875 00
3. Robert Allerton, Koloa, Kauai, Hawaii: renewal of Allerton American Traveling Scholarships in architecture, academic year 1963-64 1 000 00
4. Allstate Foundation, Skokie: scholarships for driver education teachers in extramural courses given by the Division of University Extension 3 000 00
5. Alumni Association, University of Illinois: scholarship in music 18 00
6. American Society for Metals Foundation for Education and Research, Metals Park, Ohio: renewal of scholarship in metallurgy, academic year 1962-63 500 00
7. Anonymous donor: to the Department of Civil Engineering for scholarship aid 2 000 00
9. Barber-Colman Company, Rockford: scholarships in engineering 3 915 00
10. Bay State Abrasive Products Company, Westboro, Massachusetts: undergraduate scholarships in ceramic engineering as a memorial to O. S. Buckner 500 00
11. Borden Company Foundation, Inc., New York, New York: for the Borden Home Economics Scholarship Award and the Borden Agricultural Scholarship ($1,500 each).................................$3,000.00
12. California Company, New Orleans, Louisiana: renewal of undergraduate scholarship in geology.................................................................$500.00
13. Campus Chest, University of Illinois: undergraduate scholarships, academic year 1963-64.................................................................$1,680.00
14. Chemstrand Company, New York, New York: scholarship in chemical engineering .................................................................$500.00
15. Chicago Farmers: scholarship for a senior in agriculture, academic year 1962-63.................................................................$500.00
17. Companion Shepherd Dog Club, Oak Park: three scholarships for students in the College of Veterinary Medicine.................$1,500.00
18. Consolidation Coal Company, Library, Pennsylvania: scholarship for senior student in chemistry and chemical engineering, academic year 1962-63.................................................................$500.00
20. Crossley Associates, Inc., Chicago: scholarships in electronics or physics, academic year 1963-64.................................................................$300.00
21. Dads Association, University of Illinois: scholarships, academic year 1962-63.................................................................$2,040.00
22. Douglas Aircraft Company, Inc., Santa Monica, California: scholarship for an outstanding and deserving senior student in aeronautical or electrical engineering, academic year 1963-64.................................................................$750.00
23. Dow Chemical Company, Midland, Michigan: scholarship in chemical and metallurgical engineering, academic year 1963-64.................................................................$500.00
24. Federal Land Bank of St. Louis and various Federal Land Bank Associations in Illinois: two $500 scholarships in agriculture, academic year 1963-64.................................................................$1,000.00
25. Ferro Corporation, Cleveland, Ohio: scholarships in ceramic engineering.................................................................$750.00
26. First Federal Savings and Loan Association, Champaign: scholarship for sophomore, junior, or senior in College of Commerce and Business Administration, academic year 1962-63.................................................................$500.00
27. Foundry Educational Foundation, Cleveland, Ohio: scholarship in mechanical engineering.................................................................$1,475.00
28. Galesburg Builders Supply, Galesburg: for the Harry M. Dunlap Memorial Scholarship, academic year 1962-63.................................................................$500.00
29. Frank E. Gannett Newspaper Foundation, Inc., Rochester, New York: scholarship in College of Journalism and Communications to be awarded to a junior for use during his senior year.................................................................$500.00
30. General Motors Corporation, Detroit, Michigan: General Motors College Scholarship Plan and General Motors National Scholarship Plan.................................................................$13,205.00
31. Harbison-Walker Charitable Fund, Inc., Chicago: scholarship in ceramic engineering.................................................................$500.00
32. Joseph Harrington, Jr., Wenham, Massachusetts: the Dunlap Harrington Memorial Scholarship Award.................................................................$50.00
33. Harris Trust and Savings Bank, Chicago: scholarship as a memorial to Thomas Arkle Clark.................................................................$600.00
34. Estate of Dr. Charles P. Howard, Champaign: income from the Dr. Hartwell C. Howard Memorial Fund, endowment to aid premedical and predental students.................................................................$1,770.00
35. Illinois Association of Insurance Agents, Springfield: for the G. A. Mavon Scholarship Fund for students planning careers in general insurance, first semester 1962-63.................................................................$500.00
<table>
<thead>
<tr>
<th>No.</th>
<th>Organization</th>
<th>Field(s)</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>36.</td>
<td>Illinois Chapter of Alpha Delta Phi</td>
<td>Scholarship, academic year 1963-64</td>
<td>270 00</td>
</tr>
<tr>
<td>37.</td>
<td>Illinois Congress of Parents and Teachers, Mount Pulaski</td>
<td>Two scholarships— one in any field of teacher training ($5,300) and one in special education ($3,500).</td>
<td>8 800 00</td>
</tr>
<tr>
<td>38.</td>
<td>Illinois Farm Supply Company, Chicago</td>
<td>Scholarships in agriculture and commerce and business administration, academic years 1962-63 and 1963-64</td>
<td>3 600 00</td>
</tr>
<tr>
<td>39.</td>
<td>Illinois Federation of Women's Clubs, Chicago</td>
<td>Scholarship in occupational therapy ($2,200) and for general scholarships ($1,000).</td>
<td>4 200 00</td>
</tr>
<tr>
<td>40.</td>
<td>Illinois Health Improvement Association, Springfield</td>
<td>Renewal of scholarship for students in health education</td>
<td>300 00</td>
</tr>
<tr>
<td>41.</td>
<td>Illinois Mining Institute, Urbana</td>
<td>Scholarships in the Department of Mining, Metallurgy, and Petroleum Engineering.</td>
<td>1 150 97</td>
</tr>
<tr>
<td>42.</td>
<td>Illinois Production Credit Association, Jacksonville</td>
<td>The Production Credit Association Scholarship in Agriculture.</td>
<td>600 00</td>
</tr>
<tr>
<td>43.</td>
<td>Illinois State Federation of Labor and Congress of Industrial Organizations, Chicago</td>
<td>Scholarships, academic year 1962-63</td>
<td>1 000 00</td>
</tr>
<tr>
<td>44.</td>
<td>Industrial Minerals of Canada Limited</td>
<td>Scholarships in ceramic engineering.</td>
<td>500 00</td>
</tr>
<tr>
<td>45.</td>
<td>Junior Women's Advertising Club of Chicago</td>
<td>Scholarship in journalism.</td>
<td>675 00</td>
</tr>
<tr>
<td>46.</td>
<td>Kennecott Copper Corporation, New York, New York</td>
<td>Scholarship in chemical engineering.</td>
<td>1 000 00</td>
</tr>
<tr>
<td>47.</td>
<td>Kroger Company, Cincinnati, Ohio</td>
<td>Three scholarships in agriculture and three in home economics ($250 each).</td>
<td>1 500 00</td>
</tr>
<tr>
<td>48.</td>
<td>Magnavox Company, Fort Wayne, Indiana</td>
<td>Scholarships, academic year 1962-63.</td>
<td>3 000 00</td>
</tr>
<tr>
<td>49.</td>
<td>P. R. Mallory and Company, Inc., Indianapolis, Indiana</td>
<td>Scholarship in ceramic engineering.</td>
<td>250 00</td>
</tr>
<tr>
<td>50.</td>
<td>Men's Residence Halls Association, University of Illinois, Calvin S. Sifferd—MRHA Scholarship</td>
<td>Scholarships in ceramic engineering.</td>
<td>200 00</td>
</tr>
<tr>
<td>51.</td>
<td>Minnesota Mining and Manufacturing Company, St. Paul, Minnesota</td>
<td>Scholarships in engineering, academic year 1963-64.</td>
<td>1 000 00</td>
</tr>
<tr>
<td>52.</td>
<td>Mississippi Valley Structural Steel Company, Decatur</td>
<td>Scholarships.</td>
<td>600 00</td>
</tr>
<tr>
<td>53.</td>
<td>Moorman Manufacturing Company, Quincy, Missouri</td>
<td>Scholarship in agriculture, academic year 1962-63.</td>
<td>1 500 00</td>
</tr>
<tr>
<td>54.</td>
<td>Mothers Association, University of Illinois</td>
<td>Scholarships.</td>
<td>1 890 00</td>
</tr>
<tr>
<td>55.</td>
<td>Motorola, Inc., Chicago</td>
<td>Scholarship in art.</td>
<td>1 000 00</td>
</tr>
<tr>
<td>56.</td>
<td>National Association of Home Builders, Washington, D.C.</td>
<td>Renewal of scholarship in field of home building.</td>
<td>2 000 00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Scholarships to aid qualified and deserving students to spend a summer (ten weeks) in the NAHB Research Institute Laboratory to further their education by close contact with actual technological research and development programs in the field of home building.</td>
<td>1 000 00</td>
</tr>
<tr>
<td>57.</td>
<td>National Merit Scholarship Corporation</td>
<td>Scholarships, academic year 1963-64 (supplemental grant in recognition of National Merit Scholars enrolled at the University of Illinois but to be used for scholarship aid to students who were not Merit Scholars).</td>
<td>700 00</td>
</tr>
<tr>
<td>58.</td>
<td>National Secretaries Association, Champaign-Urbana Chapter, Urbana</td>
<td>Scholarships, academic year 1963-64.</td>
<td>150 00</td>
</tr>
<tr>
<td>59.</td>
<td>Old Ben Coal Company, Chicago</td>
<td>Scholarship in mining engineering.</td>
<td>1 000 00</td>
</tr>
<tr>
<td>60.</td>
<td>Owens-Corning Fiberglas Corporation, Toledo, Ohio</td>
<td>Scholarships in engineering.</td>
<td>1 000 00</td>
</tr>
</tbody>
</table>
61. Owens-Illinois Glass Company, Toledo, Ohio: scholarship in engineering ........................................ 2 860 00
63. Estate of Helen Korte Phelps, Chicago: five scholarships (Korte Scholarships), academic years 1962-63 (three scholarships) and 1963-64 (two scholarships) ........................................ 2 500 00
64. Pi Kappa Lambda: scholarship in music in memory of Frederick B. Stiven ........................................ 1 600 00
66. Procon, Incorporated, Des Plaines: scholarships in engineering, academic year 1962-63 ........................................ 500 00
67. Ralston Purina Company, St. Louis, Missouri: scholarship in agriculture ........................................ 500 00
68. Research and Engineering Professional Employees Association, Whiting, Indiana: scholarship in engineering, physical science, or physical science teaching, academic year 1962-63 ........................................ 500 00
69. Sahara Coal Company, Inc., Chicago: scholarship in mining engineering ........................................ 250 00
70. Scully-Jones and Company, Chicago: J. A. Scully Scholarship in engineering, academic year 1962-63 ........................................ 300 00
71. Sears-Roebuck Foundation, Chicago: scholarships in agriculture ($4,200) and home economics ($900), academic year 1962-63 ........................................ 5 100 00
73. A. O. Smith Foundation, Inc., Milwaukee, Wisconsin: scholarship in ceramic engineering, academic year 1962-63 ........................................ 1 000 00
74. Square D Company, Detroit, Michigan: scholarships, academic year 1962-63 ........................................ 1 200 00
75. Standard Oil Company of California, San Francisco, California: scholarship in chemical engineering ........................................ 750 00
76. Stauffer Chemical Company, Chicago: scholarship in memory of the late August Kochs, founder of the Victor Chemical Works, academic years 1962-63 and 1963-64 ........................................ 6 000 00
77. Tee Pak Foundation, Chicago: two scholarships, academic years 1961-62 and 1962-63 ........................................ 1 000 00
78. Texaco, Inc., New York, New York: scholarships, academic year 1961-62 ........................................ 1 400 00
79. Union Carbide Educational Fund, New York, New York: scholarships in engineering, academic year 1962-63 ........................................ 1 685 00
80. Universal Oil Products Company, Des Plaines: scholarship in chemical engineering, academic year 1963-64 ........................................ 1 000 00
81. University of Illinois Student Organizations: scholarships, academic year 1963-64 ........................................ 2 500 00
82. Various donors: to add to Raymond Torr Memorial Scholarship in Journalism ........................................ 100 00
83. Western Electric Fund, New York, New York: scholarships in engineering, academic year 1962-63 ........................................ 1 200 00
84. Witt-Armstrong Equipment Company, Springfield: scholarship in engineering, academic year 1962-63 ........................................ 450 00
85. Zeta Tau Alpha Foundation: for the Shirley K. Strout Scholarship in journalism ........................................ 250 00

Total, Undergraduate Scholarships ........................................ $ 124,959 00

Miscellaneous Awards and Financial Aids to Students
86. Deeter and Ritchey, Pittsburgh, Pennsylvania: to assist architectural students and student organizations ........................................ $ 800 00
87. Illinois Society of Architects: award in architecture ........................................ 250 00
88. Kivett and Myers and McCallum, Kansas City, Missouri: to the Department of Architecture for a student award ........................................ 200 00
89. Various donors: for prizes in architecture.................................................. 1 375 00

Bradley and Bradley, Inc................................................................. $100 00
Koppers Company, Inc................................................................. 500 00
Agnes V. Marggraf................................................................. 100 00
Synod of Illinois......................................................... 675 00

90. John Wiley and Sons, Inc., New York, New York: for the Fred B. Seely Award in engineering mechanics (Mr. Seely is a retired Professor of Theoretical and Applied Mechanics).................................................. 100 00

91. Contributions received by the Dean of Women from numerous donors: Women's Student Aid Fund........................................... 7 239 00

92. University of Illinois Foundation: for student aid....................... 176 497 88

Total, Miscellaneous Awards and Financial Aid to Students.......................................................... $ 186 461 88

Student Loans

93. Agricultural Institute, St. Louis, Missouri: for the Robert R Hudelson Student Fund.................................................. $ 200 00

94. Alpha Phi Omega, Champaign: for the Alpha Phi Omega Student Loan Fund........................................... 145 00

95. Bloomington-Normal Illini Club: for long-term student loans........... 502 45

96. Campus Chest, University of Illinois: to establish a long-term loan fund.................................................. 560 00

97. Champaign Kennel Club: for the College of Veterinary Medicine student loan fund.................................................. 200 00

98. Herb Edwards, Milford, Michigan: for students loans in memory of Mrs. Iola G. Gardner.................................................. 25 00

99. Dr. and Mrs. Arthur L. Ennis, Decatur: for the Dr. and Mrs. Arthur L. Ennis Student Loan Fund.................................................. 500 00

100. Ford Foundation, New York, New York: for forgivable loans to doctoral students in engineering (future engineering teachers).......................... 100 00

101. Illinois Veterinary Medical Association Auxiliary, Des Plaines: for the College of Veterinary Medicine student loan fund.................................................. 300 00

102. Koppers Company, Inc., Pittsburgh, Pennsylvania: for the Koppers Company Student Loan Fund for architecture students.......................... 500 00

103. Milwaukee, Wisconsin, Illini Club: for long-term student loans........ 1 013 50

104. Henry Strong Educational Foundation, Chicago: to add to the long-term student loan funds.................................................. 2 000 00

105. United States Department of Health, Education, and Welfare under the National Defense Education Act: for student loans for all three campuses.................................................. 233 000 00

106. United Student Aid Funds, Incorporated: for long-term student loans.................................................. 2 000 00

107. University of Illinois Foundation.................................................. Establishment of a loan fund for College of Law students.......................... $ 1 000 00
For long-term student loans.................................................. 1 000 00

Total, Student Loans.......................................................... $ 243 045 95

Funds for Graduate Fellowships and Research

108. Abbott Laboratories, North Chicago: for the Roger Adams Fellowship in chemistry, academic year 1963-64.................................................. $ 3 400 00

109. Allied Chemical Corporation, New York, New York: two fellowships in the Department of Chemistry and Chemical Engineering, academic year 1962-63, payment being in common stock of American Viscose Corporation.................................................. 6 012 04

110. American Oil Company, Whiting, Indiana: for an American Oil Foundation Fellowship in chemical engineering, academic year 1962-63.................................................. 4 897 50
111. American Oil Foundation, Chicago: fellowship in chemical engineering, academic years 1962-63 ($2,500) and 1963-64 ($5,375) .............................. 7,875.00
113. American Society of Tool and Manufacturing Engineers, Detroit, Michigan: fellowship in mechanical and industrial engineering, academic year 1963-64 .................................................. 2,570.00
114. Automotive Safety Foundation, Washington, D.C.: fellowship in highway engineering, academic year 1962-63 .................................................. 2,000.00
115. Chemical Industries Council: fellowships in chemistry and chemical engineering, summer of 1963 ................. 2,000.00
116. Collins Radio Company, Cedar Rapids, Iowa: renewal of an instructor-fellowship in electrical engineering, academic year 1962-63 ........................................................ 2,000.00
117. Continental Oil Company, Ponca City, Oklahoma: fellowship in mathematics, academic years 1962-63 and 1963-64 ................. 6,000.00
118. Corning Glass Works Foundation, Corning, New York: renewal of a fellowship in chemistry and chemical engineering, academic year 1962-63 .................................................. 2,840.00
119. Diamond Alkali Company, Cleveland, Ohio: fellowship in chemical engineering, summer of 1963 ......................... 600.00
120. Douglas Aircraft Company, Inc., Santa Monica, California: fellowship for a graduate student in aeronautical engineering .................. 2,200.00
121. Dow Chemical Company, Midland, Michigan: fellowships in chemistry and chemical engineering, academic year 1963-64 ................. 6,000.00
122. Esso Research and Engineering Company, Linden, New Jersey: fellowship in chemistry, academic year 1962-63 ................. 3,670.00
123. Ethyl Corporation, Detroit, Michigan: fellowship in chemistry, academic year 1962-63 ........................................... 3,340.00
124. Firestone Tire and Rubber Company, Akron, Ohio: for the C. S. Marvel Fellowship in chemistry, academic year 1963-64 .......... 3,500.00
125. Ford Foundation, New York, New York: Fellowship in business administration and economics ................................. $ 32,870.00
Legislative internships in the General Assembly of Illinois ........................................................................ 22,510.00
126. General Dynamics Corporation, San Diego, California: fellowship in physics, academic year 1963-64 .......................... 4,000.00
127. General Electric Foundation, Ossining, New York: fellowships in chemistry, physics, engineering, accounting, and finance ($5,000 each) ........................................................................ 20,000.00
128. General Foods Fund, Inc., New York, New York: fellowships in home economics, academic year 1963-64 ................. 6,000.00
129. Haloid Xerox, Inc., Rochester, New York: renewal of a fellowship in solid state physics, academic year 1962-63 ................. 2,600.00
130. Charles F. Kettering Foundation, Dayton, Ohio: fellowship in botany .................................................. 7,500.00
131. Illinois Foundation Seeds, Inc. (formerly Illinois Seed Dealers Association): for the W. L. Burlison Distinguished Fellowship in agronomy, academic years 1962-63 and 1963-64 .......... 1,000.00
132. Inland Steel-Ryerson Foundation, Inc., Chicago: fellowships in architectural engineering ............. $ 2,000.00
Renewal of fellowships in mining and metallurgical engineering, academic year 1962-63 ................. 4,000.00
133. International Business Machines Corporation, Yorktown Heights, New York: fellowships in mathematics and social sciences (economics) ........................................... 5,110.00
134. Jones and Laughlin Steel Corporation, Pittsburgh, Pennsylvania: fellowship in metallurgical engineering, academic year 1962-63 .... 3,200.00
135. Eli Lilly and Company, Indianapolis, Indiana: fellowship in organic chemistry .................................................. 3,000.00
136. Lubrizol Corporation, Cleveland, Ohio: renewal of a fellowship in chemistry, academic year 1963-64.......................... 3 000 00
137. Magnavox Company, Port Wayne, Indiana: for the Magnavox Fellowship in music and engineering.......................... 4 325 00
138. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: renewal of three fellowships in chemistry, chemical engineering, and physics, academic year 1963-64........ 9 000 00
139. Monsanto Chemical Company, St. Louis, Missouri: three fellowships in chemistry, chemical engineering, and geology.......................................................... 8 000 00
140. Motorola, Inc., Chicago: renewal of the Paul V. Galvin Fellowship in electrical engineering, academic years 1963-64 and 1964-65.......................................................... 2 500 00
141. National Lead Company.......................................................................................................................... 4 800 00
Baroid Division, Houston, Texas: renewal of a fellowship in geology, academic year 1963-64... 2 800 00
Titanium Alloy Manufacturing Division, Niagara Falls, New York: renewal of a fellowship in ceramic engineering, academic year 1963-64...... 2 000 00
142. Carl M. Noble: fellowship.......................................................................................................................... 100 00
143. Edward Orton Jr. Ceramic Foundation, Columbus, Ohio: fellowships in ceramic engineering, academic year 1962-63.. 3 800 00
144. Owens-Corning Fiberglas Corporation, Toledo, Ohio: fellowship in ceramic engineering, academic year 1962-63... 2 500 00
145. Parke, Davis, and Company, Ann Arbor, Michigan: renewal of a fellowship in biochemistry, academic year 1962-63... 3 100 00
146. Phillips Petroleum Company, Bartlesville, Oklahoma: fellowship in the Department of Chemistry and Chemical Engineering, academic year 1962-63.......................................................... 3 000 00
147. Procter and Gamble Company, Cincinnati, Ohio: renewal of fellowships in chemical engineering ($2,920) and chemistry ($3,570), academic year 1963-64......................................................... 6 490 00
148. Pure Milk Association, Chicago: renewal of Lauterbach Memorial Fellowship in the Department of Food Science, academic year 1962-63.......................................................... 1 500 00
149. Radio Corporation of America, Princeton, New Jersey: fellowship in electrical engineering, academic year 1962-63.. 4 050 00
150. Raymond Concrete Pile Company, New York, New York: renewal of the Raymond Concrete Pile Company Fellowship, memorial to A. E. Cummings, academic year 1962-63.......................................................................................... 2 100 00
151. Raytheon Company, Waltham, Massachusetts: renewal of a fellowship in physics, academic year 1962-63.......................... 3 150 00
152. Roche Anniversary Foundation, Montclair, New Jersey: for the Hoffman-La Roche Fellowship in organic chemistry, 1963-64.......................................................... 6 000 00
153. Rohm and Haas Company, Philadelphia, Pennsylvania: fellowship in the Department of Chemistry and Chemical Engineering, academic year 1962-63.......................................................... 3 000 00
154. Shell Companies Foundation, Inc., New York, New York: fellowship in chemical engineering, academic year 1963-64. 2 920 00
155. Shell Fellowship Committee of the Shell Companies Foundation, Inc.: renewal of a fellowship in geology, academic year 1962-63........................................................................................................ 3 180 00
156. Alfred P. Sloan Foundation, New York, New York: fellowships for first-year graduate students in engineering, academic year 1962-63......................... 9 390 00
157. Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: postdoctoral fellowship in biochemistry.......... 20 000 00
158. Society of Sigma Xi, Illinois Chapter: fellowship.......................................................... 500 00
159. Sprague Electric Company, North Adams, Massachusetts: renewal of a fellowship in solid state physics, academic year 1962-63.......................................................... 3 500 00
160. Standard Oil Company of California, San Francisco, California: renewal of a fellowship in chemistry, academic year 1962-63.......................................................... 2 670 00
161. Sun Oil Company, Philadelphia, Pennsylvania.......................... 8 245 00
   Fellowship in chemistry, academic year 1962-63.$ 4 170 00
   Fellowship in chemical engineering, academic year 1962-63.................. 4 075 00

162. Television Shares Management Corporation, Chicago: fellowship in electrical engineering to promote the development of new teachers in electronics, academic year 1962-63........ 2 000 00

163. Texas Instruments, Incorporated, Dallas, Texas: fellowship in physics, academic year 1962-63....................... 2 666 00

164. Toni Company, Chicago: Gillette-Toni Fellowship, academic year 1962-63 4 000 00

165. Union Carbide Corporation and its subsidiary divisions..... 17 190 00
   Union Carbide Metals Company, Niagara Falls, New York: renewal of a fellowship in the Department of Mining, Metallurgy, and Petroleum Engineering, academic year 1962-63.................. $ 3 380 00
   Parma Research Laboratory, Cleveland, Ohio: renewal of a fellowship in physics, academic years 1962-63 and 1963-64........ 6 720 00
   Union Carbide Plastics Company, Bound Brook, New Jersey: renewal of a fellowship in chemistry, academic year 1962-63........ 3 370 00
   Visking Company, Chicago: fellowship in chemical engineering, academic year 1962-63..... 3 720 00

166. United States Rubber Company Foundation, New York, New York: fellowship, academic year 1962-63.................. 3 020 00

167. United States Steel Foundation, Inc., New York, New York: fellowship in physics, academic year 1963-64........ 2 000 00

168. Various donors: fellowships in the Jane Addams Graduate School of Social Work...
   Chicago Community Trust.................. $ 3 100 00
   Hull House Association.................. 4 000 00
   Wieboldt Foundation.................. 3 580 00
   Woods Charitable Fund, Inc.................. 5 000 00

169. Victor Chemical Company, Stauffer Chemical Division, Chicago: August Kochs Fellowship in chemistry, academic years 1962-63 and 1963-64........ 6 000 00

170. Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey: fellowships.................. 16 000 00

171. Zeta Phi Beta: fellowship in speech.................. 476 90

172. Abbott Laboratories, North Chicago.................. 8 900 00
   To the Department of Animal Science for studies on the influence of arsenicals on reproductive performance.................. $ 1 500 00
   To the Radiocarbon Laboratory for research.................. 2 400 00
   To the Department of Veterinary Pathology and Hygiene for a study of the activation of shipping fever.................. 5 000 00

173. Alcoa Foundation, Pittsburgh, Pennsylvania.................. 4 000 00
   To the College of Fine and Applied Arts for an industrial design program........ 1 000 00
   To the Department of Agricultural Engineering for studies on farm structures........ 3 000 00

174. American Bird Products, Inc., Chicago: to the Department of Veterinary Pathology and Hygiene for a study of epidemiology and control of psittacosis and psittacoid diseases.................. 3 500 00

175. American Cancer Society, Inc., New York, New York: to the Department of Microbiology for a study of virus growth and genetics.................. 25 236 00

176. American Chemical Society, Washington, D.C.................. 80 950 00
   To the Department of Chemistry and Chemical Engineering for studies of:
   Flow field packed bed........................ $ 5 400 00
   Catalysis in a stirred reactor.................. 6 522 00
<table>
<thead>
<tr>
<th>Grant Number</th>
<th>Title</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>953</td>
<td>Surface phenomena in phase contacting</td>
<td>9 652 00</td>
</tr>
<tr>
<td>19631</td>
<td>Mechanisms of radical reactions</td>
<td>6 470 00</td>
</tr>
<tr>
<td>11507</td>
<td>Nuclear magnetic and electron spin resonance studies of hydrocarbons</td>
<td>12 000 00</td>
</tr>
<tr>
<td>11506</td>
<td>Ferrocene derivatives</td>
<td>8 000 00</td>
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<tr>
<td>11505</td>
<td>Petroleum</td>
<td>20 000 00</td>
</tr>
<tr>
<td>11504</td>
<td>Mechanisms of organic reactions</td>
<td>6 574 00</td>
</tr>
<tr>
<td>11503</td>
<td>Vacuum ultraviolet photochemistry of hydrocarbons</td>
<td>6 332 00</td>
</tr>
<tr>
<td>11502</td>
<td>To the Department of Geology for petrographic investigations of silurian reefs</td>
<td>7 304 00</td>
</tr>
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<td>177</td>
<td>American Cyanamid Company</td>
<td>6 000 00</td>
</tr>
<tr>
<td></td>
<td>To the Department of Agronomy for studies of field experiments with phosphoric acid</td>
<td>2 000 00</td>
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<tr>
<td></td>
<td>To the Department of Chemistry and Chemical Engineering for antibiotic studies</td>
<td>2 000 00</td>
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<tr>
<td></td>
<td>To the Health Service for research</td>
<td>1 000 00</td>
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<tr>
<td></td>
<td>To the State Natural History Survey for a study on systemic insecticides for control of insects on wheat</td>
<td>1 000 00</td>
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<tr>
<td>178</td>
<td>American Dairy Association, Chicago: to the Department of Food Science</td>
<td>20 500 00</td>
</tr>
<tr>
<td></td>
<td>For an investigation of the effects of butterfat and corn oil in relation to the development of atherosclerosis</td>
<td>8 500 00</td>
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<tr>
<td></td>
<td>For a study of the relationship between dietary fat and composition of blood lipids</td>
<td>12 000 00</td>
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<tr>
<td>179</td>
<td>American Gas Association, New York, New York: to the Department of Mining, Metallurgy, and Petroleum Engineering for studies of the effects of alternating current on the corrosion of steels buried in soils</td>
<td>22 000 00</td>
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<tr>
<td>180</td>
<td>American Heart Association, New York, New York: to the Department of Food Science for studies of B-lipoprotein liability of atherosclerosis</td>
<td>9 900 00</td>
</tr>
<tr>
<td>181</td>
<td>American Iron and Steel Institute, New York, New York: to the Department of Theoretical and Applied Mechanics</td>
<td>17 000 00</td>
</tr>
<tr>
<td></td>
<td>Studies of welded wire fabric for reinforced concrete</td>
<td>7 000 00</td>
</tr>
<tr>
<td></td>
<td>Studies of experimental research on control of cracking in concrete reinforced with high strength steels</td>
<td>7 000 00</td>
</tr>
<tr>
<td>182</td>
<td>American Oil Company, Whiting, Indiana: to the Department of Agricultural Engineering for a study of accelerated drying of farm grains</td>
<td>15 000 00</td>
</tr>
<tr>
<td>183</td>
<td>American Physiological Society, Washington, D.C.: to the Department of Physiology and Biophysics, an unrestricted research grant</td>
<td>1 000 00</td>
</tr>
<tr>
<td>184</td>
<td>American Society of Heating, Refrigeration, and Air Conditioning Engineers, Inc., New York, New York: to the Department of Mechanical and Industrial Engineering</td>
<td>20 000 00</td>
</tr>
<tr>
<td></td>
<td>Studies of selection and application of air measuring devices</td>
<td>7 500 00</td>
</tr>
<tr>
<td></td>
<td>Studies of safety with high temperature water systems</td>
<td>7 500 00</td>
</tr>
<tr>
<td></td>
<td>Studies of steam and condensate flow in pipes</td>
<td>5 000 00</td>
</tr>
<tr>
<td>185</td>
<td>American Steel and Wire Company, Cleveland, Ohio: to the Department of Theoretical and Applied Mechanics for study of behavior of deformed wire fabric</td>
<td>4 200 00</td>
</tr>
<tr>
<td>186</td>
<td>Amsted Industries, Inc., Chicago: to the Department of Ceramic Engineering for a study of steel casting refractories</td>
<td>39 000 00</td>
</tr>
<tr>
<td>187</td>
<td>Association of American Railroads, Washington, D.C.: to the Department of Theoretical and Applied Mechanics for studies of causes of failures in railroad rails in service together with their prevention</td>
<td>19 500 00</td>
</tr>
</tbody>
</table>
188. Avnet-Shaw Corporation: gift of 500 shares stock in Avnet Electronics for research in ceramic engineering...... 10 211.91
189. Battle Creek Equipment Company: to the Department of Physical Education for Men for studies of physical fitness measures.................. 600.00
190. Bear Hybrid Corn Company, Inc., Decatur: to the Department of Agronomy for corn research........ 2 500.00
191. Bell Telephone Laboratories: to the Department of Electrical Engineering for support of research programs of a Bell Telephone Laboratories employee and a fellow in electrical engineering.............. 2 000.00
192. Bendix Aviation Corporation, South Bend, Indiana: to the Department of Ceramic Engineering for a study of thermal diffusivity and elastic moduli of ceramic-metal combinations at elevated temperatures...................... 28 656.25
193. Carnegie Corporation of New York, New York: to University High School for development of a new elementary school arithmetic curriculum........ 31 250.00
194. Case and Company, Inc.: to the Department of Mechanical and Industrial Engineering for development of standard time valve ................................ 1 750.00
195. Caterpillar Tractor Company, East Peoria: to the Department of Civil Engineering for analytical and experimental studies of behavior of U-shaped structural members subject to torsion and flexure.......................... 750.00
196. Shemagro Corporation, Kansas City, Missouri: to the Department of Agricultural Engineering for studies of application of soil pesticides.......................................................... 800.00
197. Chicago Bridge and Iron Foundation, Hinsdale: research assistantship in civil engineering, 1962-63.................................................. 3 500.00
198. Commercial Solvents Corporation, Terre Haute, Indiana: to the Department of Animal Science for a cooperative study on vitamins and growth factors in swine nutrition.................. 3 000.00
199. Corn Industries Research Foundation, Inc., Washington, D.C.: to the Department of Home Economics for studies on the behavior of various starches in food products........ 6 500.00
200. Crop-Hail Insurance Actuarial Association, Urbana: for a study by the State Water Survey of factors producing hailstorms in Illinois...................... 6 000.00
201. Dawe's Laboratories, Inc., Chicago: to the Department of Animal Science for a study on the role of amino acids in poultry nutrition...................................................... 1 000.00
202. John Deere Planter Works, Moline: to the Department of Agronomy for studies on corn orientation............. 500.00
203. Diamond Alkali Company, Cleveland, Ohio: to the Department of Plant Pathology for studies on fruit fungicides..... 750.00
204. Dow Chemical Company, Midland, Michigan: grant to the Department of Chemistry and Chemical Engineering to accompany fellowships, academic year 1963-64........ 500.00
205. E. I. du Pont de Nemours and Company, Inc., Wilmington, Delaware........ 34 000.00

To the Department of Agronomy for studies on weed control$ 1 000.00
To the Health Service for research on antiviral influenza.......................... 8 000.00
Grants-in-aid for fundamental research in:
Chemistry 15 000.00
Chemical Engineering 5 000.00
Physics 5 000.00

206. Edison Electric Institute: to the Small Homes Council- Building Research Council for a study of electric heating.. 39 500.00
207. Engineering Foundation, United Engineering Trustees, Inc.: to the Department of Civil Engineering for studies of structural joints .............. 32 500.00
208. Esso Research and Engineering Company, Linden, New Jersey: grant-in-aid to the Department of Chemistry and Chemical Engineering ........................................ 3 500 00
To the Department of Agricultural Engineering for a study of improvement of farm tractor maintenance ........................................ $ 5 000 00
To the Department of Animal Science for swine, poultry, and nutrition research ..................................... 1 800 00
To the Department of Dairy Science for studies on dairy cattle feeding .................................................. 600 00
210. Ford Foundation, New York, New York .......................... 169 500 00
To the Office of Community Development for studies to help define the University's role in meeting urban problems and to develop a training program for service to Illinois' rapidly expanding urbanizing communities (a partial payment of a grant of $125,000.00). ........................................ $55 000 00
To the Bureau of Economic and Business Research for a workshop on research methods for directors of such bureaus ........................................ 22 000 00
To the Institute of Labor and Industrial Relations for a research and training program in cooperation with the Institute of Management and Labor Studies at Keio University, Tokyo, Japan (a partial payment of a grant of $350,000.00 to be paid over a five-year period) ........................................ 70 000 00
To the Department of Sociology for a research award for work in the systematic development of new concepts and practices of delinquency prevention ........................................ 2 500 00
To the University of Illinois Press to stimulate scholarly publications in the humanities and social sciences (a partial payment of a grant of $40,000.00) ........................................ 20 000 00
211. Ford Motor Company, Dearborn, Michigan .......................... 14 000 00
To the Department of Mechanical and Industrial Engineering for development of laboratories ........................................ 610 000 00
To the Department of Agronomy for research on ecological crop studies ........................................ 2 000 00
To the Department of Agronomy for research on soybean cytogenetics ........................................ 2 000 00
212. Foundry Educational Foundation: to the Department of Mechanical and Industrial Engineering for research ........................................ 250 00
213. Food Machinery and Chemical Corporation, Middleport, New York: to the Department of Plant Pathology for studies on fungicides ........................................ 1 000 00
214. Geigy Chemical Corporation: to the Department of Veterinary Pathology and Hygiene for a study of canine dermatitis ........................................ 160 00
215. General Electric Foundation, Ossining, New York: graduate research and study grant in mathematics ........................................ 5 000 00
216. General Motors Corporation, LaGrange: to the Department of Electrical Engineering for support of research activities of a General Motors Fellow ........................................ 750 00
217. German Academic Exchange Service: to the Department of Psychology for studies of motivation ........................................ 596 56
218. Fred C. Gleeckner Foundation, Inc., New York, New York: to the Department of Horticulture for studies in floriculture ........................................ 3 000 00
219. W. R. Grace and Company, Baltimore, Maryland: to the Department of Animal Science for a cooperative study on non-protein nitrogen in sheep nutrition ........................................ 2 500 00
220. Goodyear Aircraft Corporation, Akron, Ohio: to the Department of Ceramic Engineering for research ........................................ 12 82
221. Graham Foundation for Advanced Studies in the Fine Arts, Chicago: to the Department of Architecture for the development of the lake front in Chicago. .......................... 1 000 00
222. Griffin Wheel Company, Chicago: to the Department of Theoretical and Applied Mechanics for studies of improvement of cast steel railway car wheels. .................... 13 489 29
223. Haloid Xerox Corporation: to the Department of Electrical Engineering for research in electrostatics and small particle physics. ........................................ 5 000 00
224. The Horseradish Growers of East St. Louis: to the Department of Horticulture for studies on horseradish. .................................................. 500 00
225. Illinois Agricultural Association, Bloomington: to the Department of Agricultural Economics for studies on economic aspects of changes in the market structure of the dairy industry in Illinois. ........................................... 500 00
226. Illinois Agricultural Association, through Country Life Insurance Company and Country Mutual Insurance Company, subsidiaries of the Association: to the Department of Marketing for a class study to provide students with realistic experience in planning and conducting a market research study. ........................................ 700 00
227. Illinois Archaeological Survey: to the Department of Anthropology for the highway salvage program. .......................... 730 20
228. Illinois Association of Insurance Agents: to the Bureau of Business Management for marketing studies. ....................... 2 000 00
229. Illinois Council on Education in Politics: to the Department of Political Science for student research. ......................... 175 00
230. Illinois Farm Electrification Council: to the College of Agriculture for a study of rural electrification. Association of Illinois Electric Cooperatives, Springfield $ 3 500 00

   Central Illinois Electric and Gas Company, Rockford. 425 00
   Central Illinois Light Company, Peoria. 550 00
   Central Illinois Public Service Company, Springfield. 1 250 00
   Chicago 4-H Association, Chicago. 5 000 00
   Commonwealth Edison Company, Chicago. 3 500 00
   Illinois Power Company, Decatur. 2 450 00
   Interstate Power Company, Savanna. 32 00
   Iowa-Illinois Gas and Electric Company, Chicago. 60 00
   Mount Carmel Public Utility, Mount Carmel. 60 00
   Mid-Illinois Electric Company, St. Louis, Missouri. 43 00

231. Illinois Foundation Seeds, Inc.: To the Department of Agronomy for corn research projects ........................................ 10 000 00

   To the Department of Plant Pathology for corn research projects ........................................ 7 500 00

232. Illinois Heart Association, Springfield: to the Department of Food Science for studies of the relationship of dietary components to cholesterol metabolism. ....................... 9 926 00
233. Illinois Turfgrass Foundation, Inc., Oak Park: to the Department of Plant Pathology for studies on turf grass research. ........................................ 1 400 00
234. Institute of Boiler and Radiator Manufacturers, New York, New York: to the Department of Mechanical and Industrial Engineering for a study of steam and water heating. 33 700 00
235. Mead Johnson Research Center, Evansville, Indiana: to the Department of Physiology and Biophysics for a clinical study of pharmacological depression of eccrine sweating. 3 813 00
236. Kretschmer Corporation, Carrollton, Michigan: to the Department of Physical Education for Men for a study of the relative effects of wheat germ oil on physical performance tests. ........................................ 2 500 00
237. Laird Norton Company: to the Department of Economics for a history project ........................................ 32 000 00
238. Eli Lilly Company, Indianapolis, Indiana: to the Health Service for a study on the use of Haldrone in infectious mononucleosis........................................ 350 00
To the Department of Animal Science for studies toward controlling ovulation time with the aid of orally active steroids ........................................ 2 330 00
To the Department of Economics for the Committee for the Study of Individual Freedom .......... 40 000 00
239. Lumber Dealers Research Council, Washington, D.C.: to the Small Homes Council-Building Research Council for a three-part component study and for research on sectionized houses ........................................ 3 312 50
240. Magnavox Company, Fort Wayne, Indiana: to the School of Music and the Department of Electrical Engineering for construction of equipment to be used in the study of electrically-generated sounds ........................................ 5 675 00
241. Merck and Company, Inc., Rahway, New Jersey: to the Department of Animal Science for a study of growth stimulants for swine ........................................ 3 000 00
242. Merck, Sharp, and Dohme Research Laboratories, Rahway, New Jersey: to the Department of Animal Science for studies on animal nutrition ........................................ 2 000 00
243. Midwest Agricultural Limestone Institute, Kankakee: to the Department of Agronomy for studies on soil management research ........................................ 500 00
244. Mrs. C. Philip Miller: to add to the Minnesotta Forest Trust Fund in support of forestry research ........................................ 3 098 96
245. Monsanto Chemical Company, St. Louis, Missouri: to the Department of Agronomy for studies on the herbicidal action of chemical compounds........................................ 2 500 00
To the Department of Food Science for studies on phosphates in milk ........................................ 900 00
246. Moorman Manufacturing Company, Quincy: to the Department of Animal Science for a study on nutritional quality of pig starter rations ........................................ 5 200 00
A study on poultry nutrition ........................................ 2 600 00
247. Mueller Farms Sod Nursery, Ontarioville: to the Department of Plant Pathology for studies on turf research ........................................ 400 00
To the Traffic Safety Center for studies of motor vehicle registration and titling practices ........ 2 000 00
249. National Association of Horseradish Packers, Eau Claire, Wisconsin: to the Department of Horticulture for studies on horseradish ........................................ 250 00
250. National Council of Legal Clinics: to the College of Law for studies of professional responsibility ........................................ 12 600 00
251. National Electronics Conference: to the Department of Electrical Engineering for research ........................................ 380 00
252. National Hog Cholera Fund: to the Department of Veterinary Pathology and Hygiene for hog cholera research ........................................ 1 138 99
253. National Lead Company, Titanium Division, South Amboy, New Jersey: to the Department of Chemistry and Chemical Engineering for research in the field of titanium chemistry ........................................ 3 250 00
254. National Lime Association, Washington, D.C.: to the Department of Geology for studies of fundamental properties of calcium ........................................ 16 793 02
Studies of fundamental properties of calcium ........................................ 9 048 60
Study by x-ray diffraction and other methods the reactions in the clay mineral and other mineral components of various types of soils when treated with lime for the purpose of stabilization for road surfaces ........................................ 7 744 42
<table>
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<th>No.</th>
<th>Institution</th>
<th>Department/Academic Center</th>
<th>Research/Project Description</th>
<th>Funding</th>
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<td>255</td>
<td>National Livestock and Meat Board, Chicago</td>
<td>Department of Food Science</td>
<td>for studies of biological utilization of fatty acid isomers</td>
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<td>National Safety Council</td>
<td>Traffic Safety Center</td>
<td>for studies of motor vehicle laws at railroad grade crossings</td>
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<td>National Soybean Processors Association, Chicago</td>
<td>Department of Agronomy</td>
<td>for a study on soil fertility requirements of different genetic lines of soybeans</td>
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<td>National Steel Corporation, Weirton, West Virginia</td>
<td>Department of Civil Engineering</td>
<td>for evaluation of fatigue behavior of welded joints in N-A-Xtra high strength steels</td>
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<td>National Warm Air Heating and Air Conditioning Association</td>
<td>Department of Mechanical and Industrial Engineering</td>
<td>for a study of heating, ventilating, and air conditioning as related to warm air furnace heating</td>
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<td>Department of Agricultural Engineering</td>
<td>for a study on rural electrification</td>
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<td>261</td>
<td>Niagara Chemical Division, FMC Corporation, Middleport, New York</td>
<td>Department of Plant Pathology</td>
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<td>Northern Illinois Breeding Co-op, Hampshire</td>
<td>Department of Dairy Science</td>
<td>for studies on artificial breeding</td>
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<td>Northrup-King and Company, Minneapolis, Minnesota</td>
<td>Department of Plant Pathology</td>
<td>for studies on corn leaf blight</td>
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<td>264</td>
<td>Olin Mathie Chemical Corporation, Squibb Division, New Brunswick, New Jersey</td>
<td>Department of Plant Pathology</td>
<td>for studies on the control of fruit diseases</td>
<td>750.00</td>
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<td>Chas. Pfizer and Company, Inc., Brooklyn, New York</td>
<td>Department of Animal Science</td>
<td>for a study on swine feeding</td>
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<td>Pillsbury Company</td>
<td>Department of Food Science</td>
<td>for studies on cake mixes</td>
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<td>Portland Cement Association, Chicago</td>
<td>Department of Civil Engineering</td>
<td>for study of the strength and deformation characteristics of reinforced concrete beam-column connections subjected to axial and transverse loads</td>
<td>10,000.00</td>
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<td>Prairie Farm Dairy, Inc., Carlinville</td>
<td>Department of Agricultural Economics</td>
<td>for studies on economic aspects of changes in market structure of the dairy industry in Illinois</td>
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<td>Pure Milk Association, Chicago</td>
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<td>for studies on the southern Illinois federal milk marketing order</td>
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<td>Reinforced Concrete Research Council</td>
<td>Department of Civil Engineering</td>
<td>for multiple panel reinforced concrete floor slabs</td>
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<td>Resources for the Future, Inc., Washington, D.C.</td>
<td>Department of Agricultural Economics</td>
<td>for a study of economic aspects of the pesticide problem in the United States</td>
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<td>Rockefeller Foundation, New York, New York</td>
<td>Department of Philosophy</td>
<td>for support of research on the biography of Charles Sanders Peirce</td>
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<td>Rohm and Haas Company, Philadelphia, Pennsylvania</td>
<td>Department of Plant Pathology</td>
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<td>For studies on turf disease</td>
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<td>St. Regis Paper Company</td>
<td>Department of Art for advertising design studies</td>
<td>For a general evaluation of series of chlorinated hydrocarbon compounds as insecticides</td>
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<td>Institute of Communications Research</td>
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<td>Socony Mobil Oil Company</td>
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<td>Sod Growers Association of Illinois</td>
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<td>State University of Iowa</td>
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<td>Physical Education for Men</td>
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<td>295</td>
<td>University of Minnesota</td>
<td>Department of Mathematics</td>
<td>2 500 00</td>
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</table>
296. Upjohn Company, Kalamazoo, Michigan
To the Department of Animal Science for studies on progestogens $2,530.00
To the Department of Agricultural Engineering for studies on the development of equipment for the more effective application of soil fungicides $1,000.00
To the Department of Plant Pathology for microbiological studies $8,000.00

297. Various donors: to the College of Agriculture for research in rural electrification $3,500.00

298. Various donors: to the Department of Civil Engineering for studies of lime pozzolan mixtures and lime stabilization of soils $20,350.00
Burrill Construction and Supply $1,000.00
Commonwealth Edison Company $5,000.00
G. and W. H. Corson $3,125.00
National Lime Association $7,550.00
Poz-O-Pac Company of America $250.00
Pozzolan Products Company, Inc. $3,425.00
Connecticut Light and Power Company $1,000.00

299. Various donors: to the Department of Food Science for the Lipid Symposium to accompany the dedication of the Burnsides Research Laboratory $4,400.00
American Meat Institute, Chicago $500.00
Anderson, Clayton and Company Foods Division, Dallas, Texas $100.00
Armour and Company, Oakbrook $500.00
Campbell Soup Company, Camden, New Jersey $500.00
Glidden Company, Cleveland, Ohio $200.00
Hunt Foods and Industries, Inc., Foods and Industries, Inc. $100.00
Illinois Heart Association, Springfield $500.00
Mead Johnson and Company, Evansville, Indiana $300.00
Monsanto Chemical Company, St. Louis, Missouri $100.00
Procter and Gamble Company, Cleveland, Ohio $500.00
Special Dairy Industry Board, Washington, D.C. $1,000.00
Wilson and Company, Chicago $100.00

300. Various donors: to the University High School to continue a study on non-verbal awareness $2,833.75
Gertrude Hendrix, Urbana $1,800.00
William L. Hendrix, Milford, New Hampshire $400.00
Institute of Intercultural Studies, Inc., New York, New York $300.00
David A. Page $33.75
Melvin Pfaelzer $300.00

301. Velsicol Chemical Corporation, Chicago $2,400.00
To the State Natural History Survey for a study of heptachlor epoxide residues in meat and milk $2,000.00
To the Department of Zoology for research on the toxicology of insecticides $400.00

302. VioBin Corporation, Monticello $2,700.00
To the Department of Animal Science for a cooperative study of fishmeal and fishmeal products in swine nutrition $1,500.00
To the Department of Physical Education for Men for a study of the value of wheat germ oil in physical fitness program $1,200.00

303. Washington University, St. Louis, Missouri: from a Ford Foundation grant to the Institute of Labor and Industrial Relations for a study of public and private job placement of middle aged and older workers $17,702.44

304. Welding Research Council, United Engineering Trustees, Inc., New York, New York $17,500.00
To the Department of Civil Engineering for an investigation of welding procedure $11,500.00
To the Department of Physics for studies of the corrosion and passivity of metal ........................ 6 000 00
305. Whirlpool Corporation, Benton Harbor, Michigan: to the Department of Food Science for studies on the storage of leafy vegetables using different gases, relative humidity and temperature, and variables .............................................. 2 000 00
306. Wisconsin-Minnesota Cooperative Bull Stud Group, Shawano, Wisconsin: to the Department of Dairy Science for a study of the effect of aging on the nuclear material of bovine spermatozoa ........................................ 3 335 00
307. Yale University: to the Department of Psychology for research in psychiatry ........................................ 15 580 00

Total, Funds for Graduate Fellowships and Research. $ 1 723 133 68

Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified

308. American Cyanamid Company, Wayne, New Jersey: for faculty support grants in the Department of Chemistry and Chemical Engineering for 1962 and 1963 ($3,000 each).................................................. 6 000 00
309. Abbott Laboratories, North Chicago: to the Department of Veterinary Pathology and Hygiene to help defray the costs of preparing a motion picture on leptospirosis ........................................ 1 500 00
310. Alpern Foundation, Inc.: to the Krannert Art Museum for a painting ........................................ 1 500 00
311. American Mathematical Society, Providence, Rhode Island: to the Department of Mathematics for support of the Journal of Mathematics ........................................ 1 350 00
312. American Psychological Association: to the Institute of Communications Research for support of a faculty and research assistant ........................................ 4 225 00
313. American Society for Engineering Education: for Junior Academy of Science exposition fund ........................................ 1 00
314. Anonymous donor: to the Krannert Art Museum for purchase of an art object ........................................ 150 00
315. Babcock and Wilcox Company, New York, New York: to the College of Engineering an unrestricted grant for engineering and technical education ........................................ 1 800 00
316. C. E. Brehm, Mt. Vernon: to the Department of Animal Science for purchase of three polled heifers ........................................ 6 500 00
317. California Company, New Orleans, Louisiana: to the Department of Geology, an unrestricted grant ........................................ 500 00
318. Chemstrand Company, New York, New York: a grant-in-aid to the Department of Chemistry and Chemical Engineering ........................................ 500 00
319. Committee on Institutional Cooperation: to the Department of Psychology for a conference ........................................ 940 00
320. Continental Can Company, New York, New York: to the College of Engineering to develop closer student-faculty relations ........................................ 500 00
321. Mrs. Hugh E. Cooper, Jr., Peoria: an addition to the Wensel Morava Scholarship endowment ........................................ 250 00
322. Corning Glass Works Foundation, Corning, New York: to the Department of Chemistry and Chemical Engineering, an unrestricted grant ........................................ 1 000 00
323. Professor O. M. Dickerson, San Diego, California: to establish an endowment, the income to be used to support publications in American history by members of the Department of History or graduate students working for the degree of Doctor of Philosophy ........................................ 48 658 50
324. Easter Seal Research Foundation: to the Institute for Research on Exceptional Children for a conference on brain impairment in children ........................................ 3 000 00
325. Glidden Company, Cleveland, Ohio: to the Department of Chemistry and Chemical Engineering for the Glidden Lecture in Chemistry. ........................................... 500 00
326. Edward B. Haywood, Hammond Public Library: to the Library School for tel-a-story project. ........................................... 70 00
327. Illinois Foundation Future Farmers of America, Springfield: for the Public Information project for vocational agriculture including the Future Farmers of America. .................. 3 000 00
329. Institute of Life Insurance, New York, New York: to the College of Education for a summer workshop on education in family finance. ........................................... 2 500 00
330. Jersey Production Research Company, Tulsa, Oklahoma: to the Department of Electrical Engineering, an unrestricted grant. ........................................... 1 000 00
331. Kappa Tau Alpha, national honorary society in journalism: for expenses of an annual journalism banquet (to be added to the endowment fund established for this purpose). ............ 65 00
332. Charles F. Kettering Foundation, Hinsdale: For the C. F. Kettering Foundation Visiting Professorship in Chemistry. ..... 23 500 00
To the Department of Botany for purchase of scientific instruments for the Photosynthesis Laboratory. .................. 13 500 00
333. Keuffel and Esser Company: to the Department of Civil Engineering, an educational grant. ........................................... 210 00
334. Mount Holyoke College: to University High School for library enrichment ........................................... 100 00
335. Ellis L. Phillips Foundation: to the Department of Geology for teaching ........................................... 9 075 52
336. Purdue Research Foundation, Lafayette, Indiana: to the Office of Instructional Television. .................. 9 426 75
(The University of Illinois is one of twenty colleges and universities serving as resource institutions for the Midwest Program on Airborne Television instruction. The funds received are for salaries, travel, and office expense incurred in assisting the public schools in eastern Illinois to receive, use, and evaluate these experimental programs.)
337. Readers Digest Association, Pleasantville, New York: to the College of Journalism and Communications for the Readers Digest Research-Travel Fund to broaden the scope of student instruction by making possible allocations for travel to out-of-town areas for newspaper reporting or magazine writing experience. ........................................... 1 000 00
338. Standard Oil Company of California, San Francisco, California: to the Department of Chemistry and Chemical Engineering, an unrestricted grant. .................. 1 000 00
339. Sullivan Chevrolet Company, Champaign: to the Division of Rehabilitation-Education Services for expenses of disabled students participating in the national wheelchair games. .... 400 00
340. Universal Oil Products Company: to the Department of Chemistry and Chemical Engineering, an unrestricted grant ........................................... 500 00
341. University of Illinois Foundation: To the Bureau of Economic and Business Research for a publication by a retired member of the faculty. .................. 1 500 00
To the Department of Accountancy for publications ........................................... 1 500 00
To the Krannert Art Museum for art exhibits. .... 1 563 00
To the Department of Speech and Theatre for a teaching aid. ........................................... 50 00
342. Upjohn Company: to the Department of Chemistry and Chemical Engineering, and unrestricted grant for spectrophotometer ........................................... 2 000 00
343. Various donors: to the College of Agriculture to support the centennial symposium on protein nutrition and metabolism .......................................................... 3 250 00
Central Soya, Fort Wayne, Indiana .................. $ 250 00
Hales and Hunter Company, Chicago .......... 500 00
Eli Lilly and Company, Indianapolis, Indiana ... 500 00
Merck and Company, Inc., Rahway, New Jersey .. 1 000 00
Monsanto Chemical Company, St. Louis, Missouri 1 000 00
344. Various donors: for the International Conference on Accounting Education held in October, 1962 .................. 11 100 00
Amsted Industries Foundation, Chicago ........... $ 250 00
Arthur Andersen and Company ................ 1 000 00
Anonymous donor ................................ 100 00
Caterpillar Tractor Company, Peoria .......... 500 00
Alexander Grant and Company ................ 250 00
International Harvester Foundation, Chicago .. 1 000 00
Price Waterhouse Foundation, New York, New York ........................................ 5 000 00
Touche, Ross, Bailey, and Smart, Chicago .. 500 00
United States Steel Foundation, Inc ........ 2 500 00
345. Various donors: to the Department of General Engineering for the Junior Engineering Technical Society .................. 9 605 00
346. Various donors: to the Department of Geography for an Atlas of Illinois Resources ........................................ 450 00
Northern Illinois Gas Company, Bellwood ...... $ 250 00
Professor Fred Foster and Mr. James A. Bier .. 200 00
347. Various donors: to the Department of Mechanical and Industrial Engineering for the Air Conditioning and Refrigeration Fund ........................................ 1 400 00
Sporlan Valve Company, St. Louis, Missouri .. $ 500 00
Trane Company, LaCrosse, Wisconsin .......... 400 00
Vilter Foundation, Inc., Milwaukee, Wisconsin .. 500 00
348. Various donors: for the Isabel Bevier Lectureship in Home Economics .................. 50 00
349. Various donors: to the James Webb Young Fund for education in advertising .................. 6 50
Dimshee and Company, Publishers ........... $ 1 00
Mrs. C. Dennis Schick, Urbana ................ 5 50
350. Wenner-Green Foundation for Anthropological Research, Inc.: for the Institute for Communications Research to cover travel expenses in Yugoslavia, August 1-19, 1963 .......... 3 000 00
351. Wisconsin Free Library Commission: to the Library Research Center for survey of library reference resources in Wisconsin ........................................ 14 298 00
Total, Funds for Educational, Research, Cultural, and Recreational Purposes Not Otherwise Classified.......... $ 180 994 27

Educational Grants Fund

The Board of Trustees has established this fund and has authorized the President to make assignments from it for non-recurring educational purposes. The income is grants from foundations, business and industrial corporations to the University in recognition of the educational costs involved in accepting fellowships and scholarships, and of the service expense in administration of research grants. Contributions deposited in this fund were received from:

352. Alcoa Foundation, Pittsburgh, Pennsylvania ............... $ 500 00
353. Armco Foundation (NSPE Scholarship) ............... 100 00
354. H. D. Braley ...................................... 5 00
355. Budd Company, Detroit, Michigan ................ 665 00
The following contributions were received from sponsors of National Merit Scholarships in recognition of National Merit Scholars enrolled at the University of Illinois but were unrestricted and have been deposited in the Educational Grants Fund:

<table>
<thead>
<tr>
<th>Sponsor Name</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glidden Company, Cleveland, Ohio</td>
<td>100 00</td>
</tr>
<tr>
<td>Charles F. Kettering Foundation, Hinsdale</td>
<td>100 00</td>
</tr>
<tr>
<td>National Distillers and Chemical Foundation, Inc., New York, New York</td>
<td>600 00</td>
</tr>
<tr>
<td>Northern Illinois Gas Company, Aurora</td>
<td>285 00</td>
</tr>
<tr>
<td>Pittsburgh Plate Glass Foundation, Pittsburgh, Pennsylvania</td>
<td>170 00</td>
</tr>
<tr>
<td>Sante Fe Foundation, Inc., Chicago</td>
<td>50 00</td>
</tr>
<tr>
<td>Swift and Company Foundation, Chicago</td>
<td>200 00</td>
</tr>
<tr>
<td>Titmus Optical Company, Inc., Petersburg, Virginia</td>
<td>100 00</td>
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</table>

Total, Educational Grants: $17 985 00

Contributions from County Farm and Home Bureaus

373. To the Cooperative Extension Service in Agriculture and Home Economics for partial payment of salaries and operating expenses of farm and home advisers: $1 050 138 58

Gifts for Educational and Research Buildings and for Other Facilities


375. University of Illinois Foundation: for architectural services on addition to Electrical Engineering Building: 649 97

Total, Gifts for Educational and Research Buildings and for Other Facilities: $25 652 60

Federal Grants for Buildings and Other Facilities

376. National Institutes of Health: $793 372 00

- Justin Smith Morrill Hall: $383 864 00
- Burnsides Research Laboratory: 336 600 00
- Electrical Engineering Bioacoustics Laboratory: 18 908 00

377. National Science Foundation: 909 514 00

- Addition to Electrical Engineering Building: $40 470 94
- Scientific Equipment Program: 50 387 79
- Purchase of Electronic Data Processing Equipment: 700 000 00
- Gaseous Electronics Laboratory: 13 264 00
- Justin Smith Morrill Hall: 132 192 00
- Animal Genetics Laboratory: 11 508 00
- Horticulture Field Laboratory Renovation: 10 600 00
- Digital Computer Laboratory: 6 330 43
- Zoology Laboratory: 2 107 30

Total, Federal Grants for Buildings and Other Facilities: $1 689 357 00

1 Deduct, refund of unused funds.
United States Government Grants and Research Contracts

<table>
<thead>
<tr>
<th>Contract Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Research Projects Agency</td>
<td>$ 106,883,70</td>
</tr>
<tr>
<td>Agency for International Development</td>
<td>724,896,86</td>
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<tr>
<td>Air Force</td>
<td>1,788,628,34</td>
</tr>
<tr>
<td>Area Redevelopment Administration</td>
<td>7,000,00</td>
</tr>
<tr>
<td>Army Chemical Corps</td>
<td>5,695,73</td>
</tr>
<tr>
<td>Army Institute</td>
<td>3,340,50</td>
</tr>
<tr>
<td>Army Medical Corps</td>
<td>452,862,33</td>
</tr>
<tr>
<td>Army Ordnance</td>
<td>61,381,81</td>
</tr>
<tr>
<td>Army Research Office</td>
<td>203,062,61</td>
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<tr>
<td>Army Quartermaster Corps</td>
<td>1,031,67</td>
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<tr>
<td>Army Signal Corps</td>
<td>1,509,878,38</td>
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<tr>
<td>Army Surgeon General</td>
<td>105,376,74</td>
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<tr>
<td>Atomic Energy Commission</td>
<td>2,934,110,31</td>
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<tr>
<td>Bureau of Public Roads</td>
<td>28,937,63</td>
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<tr>
<td>Children's Bureau</td>
<td>24,926,00</td>
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<tr>
<td>Defense Atomic Support Agency</td>
<td>50,621,54</td>
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<tr>
<td>Department of Agriculture</td>
<td>95,213,29</td>
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<tr>
<td>Department of the Interior</td>
<td>2,300,00</td>
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<tr>
<td>Department of Labor</td>
<td>72,264,84</td>
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<tr>
<td>Engineering Center</td>
<td>19,141,93</td>
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<tr>
<td>Federal Housing Authority</td>
<td>3,125,00</td>
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<tr>
<td>Fifth Army</td>
<td>1,636,66</td>
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<tr>
<td>National Academy of Sciences</td>
<td>1,123,34</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
<td>430,391,00</td>
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<td>National Defense Education Act</td>
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<tr>
<td>National Institutes of Health</td>
<td>11,250,00</td>
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<tr>
<td>National Science Foundation</td>
<td>3,300,724,42</td>
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<td>Naval Electronics Laboratory</td>
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<td>Navy Bureau of Ships</td>
<td>493,766,59</td>
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<tr>
<td>Navy Bureau of Yards and Docks</td>
<td>5,000,00</td>
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<tr>
<td>Office of Education</td>
<td>777,276,07</td>
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<tr>
<td>Office of Civil Defense</td>
<td>36,376,69</td>
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<tr>
<td>Office of Naval Research</td>
<td>2,652,413,48</td>
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<tr>
<td>Peace Corps</td>
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<tr>
<td>Public Health Service</td>
<td>2,504,636,75</td>
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<tr>
<td>Small Business Administration</td>
<td>8,150,00</td>
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<tr>
<td>Social Security Administration</td>
<td>31,224,00</td>
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<tr>
<td>Tennessee Valley Authority</td>
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<tr>
<td>Vocational Rehabilitation Administration</td>
<td>122,246,96</td>
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</table>

Total, United States Government Grants and Research Contracts: $19,787,803,03

Research and Public Service Contracts with State of Illinois Agencies

<table>
<thead>
<tr>
<th>Contract Category</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Cities and Villages Municipal Problems Commission</td>
<td>$ 22,500,00</td>
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<tr>
<td>State Department of Agriculture</td>
<td>73,131,30</td>
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<tr>
<td>State Department of Conservation</td>
<td>108,829,88</td>
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<tr>
<td>State Department of Mental Health</td>
<td>37,727,28</td>
</tr>
<tr>
<td>State Department of Public Safety</td>
<td>71,797,09</td>
</tr>
<tr>
<td>State Department of Public Works and Buildings, Division of Highways</td>
<td>340,852,64</td>
</tr>
<tr>
<td>State Division of Vocational Rehabilitation</td>
<td>45,216,00</td>
</tr>
<tr>
<td>State Housing Board</td>
<td>5,000,00</td>
</tr>
<tr>
<td>State Library</td>
<td>35,000,00</td>
</tr>
<tr>
<td>State Public Aid Commission</td>
<td>13,000,00</td>
</tr>
<tr>
<td>State Superintendent of Public Instruction</td>
<td>45,997,77</td>
</tr>
</tbody>
</table>

Total, Research and Public Service Contracts with State of Illinois Agencies: $ 799,051,96

1 Deduct, unused balance returned to government.
Board of Trustees

Miscellaneous Gifts of Books, Equipment, and Works of Art

428. Continental Can Company, Chicago: to the Department of Food Science:
Carrier concentrator, pilot plant, and heat pump system; estimated value $25,000

429. Mr. and Mrs. Jackson Hancock, Tuscola: to the School of Music, a harp and auxiliary equipment; estimated value $2,200

430. Stanley G. Harris, Chicago: to the College of Agriculture, a shorthorn bull; estimated value $4,000

431. Hewlett-Packard Company, Palo Alto, California: to the Department of Electrical Engineering, a selection of Hewlett-Packard electronic instruments, including an RF harmonic wave analyzer with a motor drive unit; estimated value $1,095

432. Kistler Instrument Corporation, Clarence, New York: to the Department of Mechanical and Industrial Engineering, electronic pressure measuring equipment for use in Internal Combustion Engine Laboratory; estimated value $810

433. A. R. Staley: to the School of Music, a Carillon Americana, 305 bells; estimated value $43,835

434. University of Illinois Foundation:
To the Division of Rehabilitation-Education Services: Two typewriters; estimated value $305
Thirteen Perkins braille writers with cases; estimated value $1,312
To the Library, the Book of Genesis of the Gutenberg Bible; estimated value $15,000

435. Dr. Herbert S. Zim, Tavernier, Florida: to the Museum of Natural History, archaeological materials; estimated value $203

Gifts to the Krannert Art Museum


437. Professor and Mrs. Thomas E. Benner, Urbana: a Korean celadon vase, Koryo Dynasty; estimated value $500

438. Himan Brown, New York, New York:
Painting, "Woman in Chains," by Benjamin Kopman; estimated value $3,500
Painting, "Three Figures," by Alton Pickins; estimated value $5,000


440. Ford Foundation, New York, New York:
Painting, "Persian Series #9," by Walter Barker; estimated value $1,800
Painting, "62 Summer Series No. 5," by Kyle Morris; estimated value $1,800
Brass, "Sunaegis," by Bernard Rosenthal; estimated value $5,000
Mixed media on masonite, "East of Tonapah," by Louis Siegriest; estimated value $1,260

441. Mr. and Mrs. Clayton R. Gaylord, Rockford: a painting, "The Honorable Lady Susan Poulet," by Jeremiah Davison (1695-1745); estimated value $2,500

442. Mack Gilman, Gilman Galleries, Chicago:
Painting, "Old Bickel Quarry," by Garfield Seibert; estimated value $500
Water color on paper, "Antigua No. 14," by Richard Wilt; estimated value $250

443. George Goldstein, Chicago: a painting, "Portrait of a Nobleman," by Jean Louis Tocque (1696-1772); estimated value $7,000
Mr. and Mrs. Morton G. Schamberg, Highland Park: a painting, "Sienna Interior," by Arthur Osver; estimated value ................................................................. $1,600.00

Harry G. Sundheim, Jr., Chicago: a drawing by Wilfredo Lam; estimated value ................................................................. $400.00

Professor John Wesley Swanson, Champaign: a lithograph by Dostoievsky; estimated value ................................................................. $120.00

Total, Miscellaneous Gifts of Books, Equipment, and Works of Art ................................................................. $131,360.12

Total, Colleges and Schools at Urbana-Champaign ................................................................. $25,659,943.07

Colleges at the Medical Center

Scholarships, Prizes, and Other Financial Aids

447. American Foundation for Pharmaceutical Education: scholarships in pharmacy .................. $400.00

448. Estate of Dr. Ione Fisher Beem: for the Ione Fisher Beem Scholarship to a woman medical student (the bequest of this estate was reported to the Board of Trustees on February 20, 1963) .................................................................................. $10,000.00

449. Miss Bert Berkelhamer, Chicago: for the Dr. Ralph C. Berkelhamer Scholarship award ................................................................. $100.00

450. Chicago Retail Druggists' Association: scholarship in pharmacy ................................................................. $300.00

451. Warren H. Cole Society: scholarship for freshman in medicine ................................................................. $500.00

452. College of Medicine Class of 1963: four $100 scholarships for seniors in the College of Medicine ................................................................. $400.00

453. Gazzolo Drug and Chemical Company: scholarships for pharmacy students .................. $400.00

454. Goldenrod Ice Cream Company: two undergraduate scholarships in the College of Pharmacy ................................................................. $400.00

455. Humiston-Keeling and Company, Chicago: two scholarships in the College of Pharmacy ................................................................. $400.00

456. Lag Drug Company: scholarship in the College of Pharmacy ................................................................. $300.00

457. McKesson and Robbins, Inc.: scholarships in the College of Pharmacy ................................................................. $300.00

458. Osco Drug Company, Inc.: scholarships in the College of Pharmacy, academic year 1962-63 ................................................................. $800.00

459. Photo Service, Inc.: scholarship in pharmacy ................................................................. $300.00

460. Jerome D. Solomon Memorial Foundation: an endowment to establish the Jerome D. Solomon Memorial Scholarship, the income to be used for a scholarship to be awarded annually to a student in the College of Medicine ................................................................. $20,000.00

461. Paul Stratton, Chicago: scholarships in the College of Pharmacy ................................................................. $496.40


463. Walgreen Benefit Fund: for a Charles R. Walgreen Jr. Scholarship Award to a junior in the College of Pharmacy ................................................................. $300.00

464. Dr. Rudolf E. Wilhelm, Detroit, an alumnus: to the Rachelle S. Yarros Fund for a scholarship in medicine ................................................................. $150.00

465. Women's Auxiliary of the University of Illinois at the Medical Center: scholarships in the Colleges of Dentistry, Medicine, Nursing, and Pharmacy ................................................................. $1,000.00

466. Women's Organization of Chicago Retail Druggists' Association: scholarship in the College of Pharmacy ................................................................. $300.00

467. Block Drug Company, Jersey City: for an award for the best essay by a senior dental student ................................................................. $200.00

468. Dr. Edward C. Wach, Associate Professor, Emeritus: for cash prizes to fourth-year students in dentistry who are successful in an annual thesis contest ................................................................. $992.19

469. American Dental Association: to the fund for Dental Education Student Loan Fund ................................................................. $1,176.00
470. Bristol Laboratories: to establish a loan fund for interns and residents in the hospitals associated with the College of Medicine ................................................................. 10 000 00
471. International College of Dentists: for student loans ................................. 300 00
472. Merck Company Foundation, Rahway, New Jersey: for the George W. Merck Loan Fund to provide loans for interns and residents in medicine .............................................. 4 000 00
473. Lulu Maude Moore: for establishment of a long-term student loan fund ................................................................. 205 00
474. Organization Fund of the University of Illinois at the Medical Center, Chicago: for student loans ................................. 1 000 00
475. Women's Auxiliary of the University of Illinois at the Medical Center: for long-term student loans .............................................. 2 000 00
Total, Scholarships, Prizes, and Other Financial Aids .............................................. $ 56 919 59

**Funds for Fellowships and Research**

476. Evanston Drama Club, Evanston: fellowship in orthopaedic surgery ................. $ 500 00
477. Lederle Laboratories, Pearl River, New York: two research fellowships for medical students ................................. 1 200 00
478. Ford Foundation, New York, New York: for fellowships for student research on reproductive biology ................................. 8 000 00
479. Eli Lilly and Company, Indianapolis, Indiana: fellowship in microbiology ............... 6 000 00
480. Tobacco Industry Research Committee, New York, New York: fellowship .................... 600 00
481. Tuberculosis Institute of Chicago and Cook County: fellowship in the Department of Medicine ................................................................. 5 000 00
482. American Cancer Society, New York, New York: .............................................. 131 907 00
To the Department of Radiology for research on therapeutic lymphangiography .............................................. $ 9 380 00
To the Department of Surgery for:
  Institutional research grant .............................................. 30 000 00
  Study of cellular damage in animal and human tumors exposed in vitro and in vivo to anticancer compounds .............................................. 22 818 00
  Tumor clinic cancer registry .............................................. 5 000 00
To the Department of Physiology for a study of the permeability of mitochondria .............................................. 11 460 00
To the Department of Biochemistry for:
  Study of the specificity of glycolytic pathway enzymes .............................................. 17 428 00
  Study of the separation of enzymes from normal and pathological serum using cellulose ion exchangers .............................................. 23 833 00
To the Department of Pathology for a study of immunity of mice of inbred strains to isologous tumors induced by F1 tumors .............................................. 11 988 00
483. American Heart Association: .............................................. 6 000 00
To the College of Medicine for research in medical education .............................................. $ 5 000 00
To the Department of Medicine for investigations on the kidney in health and disease .............................................. 1 000 00
484. American Medical Association Education and Research Foundation: to the Department of Medicine for studies on pituitary gonadotrophins .............................................. 1 000 00
485. American Rheumatism Association: to the Department of Medicine for variability studies .............................................. 1 000 00
486. Mr. and Mrs. O. S. Boggs, Paris: to the Department of Surgery for the Bristow Cancer Research Fund .............................................. 10 00
487. Borg-Warner Corporation, Chicago: to the Department of Chemistry for research in nuclear magnetic resonance spectroscopy .............................................. 500 00
1963

UNIVERSITY OF ILLINOIS

488. Mr. and Mrs. Joseph Brooks and Lt. Col. and Mrs. Milton Carr, San Leandro, California: to the College of Medicine for the Elizabeth Murdock Livingston Memorial Fund for studies in the prevention or cure of hepatitis ........................................ 5 00

489. Edward Bullard, Chicago: to the Department of Surgery, in memory of his daughter, for cancer research ........................................ 1 000 00

490. Mrs. Winifred Carpenter, Portland, Oregon: to the Department of Surgery for the Bristow Cancer Research Fund ........................................ 10 00

491. Casey Community United Fund, Casey: to the Department of Surgery for cancer research ........................................ 4 100 00

492. Chicago Dermatological Society: to the Department of Dermatology, in memory of Dr. Marcus Caro, a former member of the faculty, for research ........................................ 600 00

493. Chicago Dysautonomia Society, Inc.: to the Department of Pharmacognosy and Pharmacology for studies of acetylcholine metabolism in dysautonomia ........................................ 1 000 00

494. Chicago Heart Association: to the Department of Preventive Medicine for studies of biochemical, medical, and psychological parameters of the acute pressor response in hypertensive subjects ........................................ $ 6 622 00

495. Children's Research Foundation: to the Department of Psychiatry for research in Tay-Sachs disease ........................................ 6 000 00

496. Dr. Warren H. Cole, Chicago: for a living trust for research in the College of Medicine ........................................ 4 000 00

497. Commonwealth Foundation, New York, New York: to the College of Medicine for study and evaluation of medical education ........................................ 64 000 00

498. John N. Crouse Dental Endowment Fund: to the Department of Dental Radiology for longitudinal studies of dental health status of young adult males ........................................ 1 100 00

499. Deerfield Bannockburn United Fund: to the Department of Surgery for cancer research ........................................ 750 00

500. E. I. du Pont de Nemours and Company: for studies of antiviral chemotherapy ........................................ 17 000 00

501. Dr. Ward H. Eastman, Peoria: to the Ward Eastman and James Hurlbut Gift Fund for research in surgery ........................................ 100 00

502. Eureka United Fund: to the Department of Surgery for heart research ........................................ 231 25

503. Employees of the Federal Reserve Bank of Chicago: to the Department of Preventive Medicine for research in polio care ........................................ 97 75

504. Geigy Pharmaceuticals, Yonkers, New York: to the Department of Pharmacology for a study of the action of antonomic drugs on the central nervous system ........................................ 4 000 00

505. Bequest of Lizzie Gilman: an endowment, the income to be used for research in the field of mental illness (the bequest was reported to the Board of Trustees on May 24, 1962) ........................................ 45 244 62

506. Hoffmann-LaRoche, Inc., Nutley, New Jersey: to the Division of Anesthesiology of the Department of Surgery for support of basic research ........................................ 7 000 00

507. Illinois Federation of Women's Clubs, Chicago: to the Department of Surgery for cancer research ........................................ 1 000 00

508. Mead Johnson and Company: to the Department of Pediatrics for a study of prophylaxis of anemia of prematurity ........................................ 6 000 00

509. Joint Committee on Tuberculosis Medical Research: to the Department of Pediatrics for pulmonary function studies in infants with respiratory disease ........................................ 4 250 00
<table>
<thead>
<tr>
<th>Grant Number</th>
<th>Organization</th>
<th>Department</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td>Lederle Laboratories, Pearl River, New York</td>
<td>Department of Medicine</td>
<td>for a study of infectious diseases and related fields</td>
<td>$10,000.00</td>
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<tr>
<td>511</td>
<td>Leukemia Research Foundation, Inc.</td>
<td>Department of Biological Chemistry</td>
<td>for a study of biosynthesis of plasma glycoproteins</td>
<td>$5,500.00</td>
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<tr>
<td>512</td>
<td>Licensed Beverage Industry</td>
<td>Department of Pharmacology</td>
<td>for studies to determine if ethyl alcohol is metabolized in the intact animal to the same &quot;acetaldehydegenic&quot; compound that has been detected previously in malonate-inhibited homogenates of rat liver</td>
<td>$1,600.00</td>
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<td>513</td>
<td>Lions International Club, Norris City</td>
<td>Department of Surgery</td>
<td>for the Norris City Cancer Research Fund</td>
<td>$200.00</td>
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<tr>
<td>514</td>
<td>Markle Foundation</td>
<td>Department of Medicine and Psychiatry</td>
<td>(this is the first installment of a $30,000 grant to be paid over a five-year period)</td>
<td>$12,000.00</td>
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<tr>
<td>515</td>
<td>National Association for Mental Health</td>
<td>Department of Psychiatry</td>
<td>Research in the synthesis and breakdown of proteins, nucleic acids in neurons and glia in culture</td>
<td>$1,250.00</td>
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<td></td>
<td></td>
<td></td>
<td>Research in schizophrenia</td>
<td>$3,800.00</td>
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<tr>
<td>516</td>
<td>National Foundation, New York, New York</td>
<td>Department of Medicine</td>
<td>for a study of meiotic abnormalities in mammals</td>
<td>$27,473.00</td>
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<tr>
<td></td>
<td></td>
<td>Department of Pediatrics</td>
<td>for a study of congenital defects special treatment center</td>
<td>$6,600.00</td>
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<tr>
<td>517</td>
<td>Parke, Davis, and Company</td>
<td>Department of Pediatrics</td>
<td>for cytogenetic studies in aplastic anemia</td>
<td>$9,500.00</td>
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<tr>
<td>518</td>
<td>Riker Laboratories, Inc.</td>
<td>Department of Pharmacology</td>
<td>for studies of drug induced relaxation of decerebrate rigidity</td>
<td>$1,430.00</td>
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<td>519</td>
<td>Roanoke Area United Fund</td>
<td>Department of Surgery</td>
<td>Cancer research</td>
<td>$552.00</td>
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<td></td>
<td></td>
<td></td>
<td>Heart research</td>
<td>$276.00</td>
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<td>520</td>
<td>Sandoz Pharmaceuticals, Inc., Hanover, New Jersey</td>
<td>Department of Medicine</td>
<td>for a study of hypertension and headache mechanisms</td>
<td>$18,500.00</td>
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<td>Department of Preventive Medicine</td>
<td>for a study of neuropharmacology</td>
<td>$2,500.00</td>
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<td></td>
<td></td>
<td>Department of Medicine</td>
<td>for a study of chemical mediators</td>
<td>$2,500.00</td>
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<tr>
<td>521</td>
<td>Schering Corporation, Bloomfield, New Jersey</td>
<td>Department of Medicine</td>
<td>for studies of treatment of infections caused by gram negative bacteremia</td>
<td>$7,500.00</td>
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<tr>
<td>522</td>
<td>G. D. Searle and Company</td>
<td>Department of Pediatrics</td>
<td>for growth hormone studies</td>
<td>$6,750.00</td>
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<tr>
<td>523</td>
<td>Teagle Foundation, Inc., New York, New York</td>
<td>Department of Psychiatry</td>
<td>for paralysis agitans research</td>
<td>$8,000.00</td>
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<tr>
<td>524</td>
<td>United Cerebral Palsy Research and Educational Foundation</td>
<td>Department of Anatomy</td>
<td>for studies of immunochemical characteristics of nerve tissue</td>
<td>$9,531.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Pediatrics</td>
<td>for studies of symptomatic hypoglycemia in the neonate, pathogenesis—late sequelae</td>
<td>$5,875.00</td>
</tr>
<tr>
<td>525</td>
<td>University of Chicago</td>
<td>Department of Medical Social Work</td>
<td>for research</td>
<td>$8,991.00</td>
</tr>
</tbody>
</table>
526. University of Illinois Foundation................................. 16 800 00
To the College of Dentistry for research...............$ 1 800 00
To the College of Medicine for research............. 15 000 00
527. David Wilson Family, Franklin: to the Department of
Surgery for studies of chemotherapy of cancer of the
stomach........................................... 307 50
Total, Funds for Fellowships and Research...........$ 481 803 72

Funds for Educational and Research Programs
528. Abbott Laboratories, North Chicago: graduate education in
pharmacology........................................$ 2 000 00
529. American Medical Association Education and Research
Foundation: reallocation by the Dean of the College of
Medicine........................................... 48 159 74
530. Mrs. Fremont A. Chandler, New York, New York: to the
Chandler Research Fund for guest lectures in the
Department of Orthopaedic Surgery................... 200 00
531. Chicago Community Trust: to the William Allen Pusey
Fund for purchase of dermatological books and periodicals
in the Library of Medical Sciences................... 1 000 00
532. Chicago Doll Collectors Club: to purchase a reclining sleep
chair for use of parents remaining overnight because their
children are critically ill.......................... 139 00
533. Mrs. Elsie Chiz, Midlothian: to the Patient Drug Fund..... 100 00
534. Commonwealth Fund: for remodeling and equipment of
office for study of medical education................ 139 500 00
535. Donald G. Daus: to the College of Medicine, an unrestricted
gift.............................................. 8 00
536. Fund for Dental Education, Inc., Chicago: to the College
of Dentistry for publication of the proceedings of the
conference on the teaching of manual skills........ 2 050 00
537. Mead Johnson and Company: for the Pediatric Residents'
Education Fund.................................... 500 00
538. W. K. Kellogg Foundation, Battle Creek, Michigan: to the
College of Dentistry for a teacher-education program.. 36 000 00
539. National Foundation, Cook County Chapter: for the salary
of a junior laboratory mechanic for maintaining respiratory
equipment in the Rehabilitation Center of the Research
and Educational Hospitals.......................... 4 800 00
540. National Fund for Medical Education: an instructional
grant............................................ 49 515 00
541. Physicians and Dentists Foundation: to the Research and
Educational Hospitals.............................. 825 00
542. South Shore Service League: for the Orthopaedic Chil-
dren's Assistance Fund to provide comfort and entertain-
ment to the children on orthopaedic service in the Research
and Educational Hospitals......................... 500 00
543. Various donors: to the Division of Services for Crippled
Children.......................................... 61 199 90
544. Various donors: to the Department of Medicine........
Girls of Busey Hall, Urbana................................ 1 082 65
Delavan Community Chest................................ 360 00
Charles Kulosky, Chicago.............................. 5 00
In memory of Landon Stableford........................ 495 00
545. Various donors: to the Department of Occupational
Therapy.............................................. 340 00
Women's Auxiliary of the University of Illinois
at the Medical Center................................$ 300 00
Mrs. Ralph E. Anderson, Chicago........................ 25 00
Mrs. Robert Shephard, Paris................................ 5 00
Illinois Federation of Women's Clubs.................... 10 00
546. Various donors: to the Department of Orthodontics

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Arthur B. Lewis</td>
<td>$150.00</td>
</tr>
<tr>
<td>Dr. George D. Sturman</td>
<td>$200.00</td>
</tr>
<tr>
<td>University of Illinois Orthodontic Alumni Society</td>
<td>$1,000.00</td>
</tr>
</tbody>
</table>

547. Various donors: to the Department of Orthopaedic Surgery

<table>
<thead>
<tr>
<th>Name of Donor</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Limb and Orthopaedic Company, Chicago</td>
<td>$10.00</td>
</tr>
<tr>
<td>William J. DeCock, Escanaba, Michigan</td>
<td>$300.00</td>
</tr>
<tr>
<td>Kappa Alpha Theta Sorority, Chicago</td>
<td>$945.00</td>
</tr>
<tr>
<td>In memory of Cheryl Kraemer</td>
<td>$48.00</td>
</tr>
<tr>
<td>Women of the Rotary Club of Chicago</td>
<td>$2,227.00</td>
</tr>
<tr>
<td>Dr. Horace E. Turner, Chicago</td>
<td>$15.00</td>
</tr>
<tr>
<td>New York University</td>
<td>$375.00</td>
</tr>
</tbody>
</table>

548. Various donors: to the Department of Otolaryngology

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Edward L. Cainski</td>
<td>$25.00</td>
</tr>
<tr>
<td>Dr. and Mrs. F. L. Lederer</td>
<td>$2,000.00</td>
</tr>
</tbody>
</table>

549. Various donors: to the Department of Pediatrics

<table>
<thead>
<tr>
<th>Name of Donor</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downers Grove United Fund, Inc.</td>
<td>$79.35</td>
</tr>
<tr>
<td>Mr. and Mrs. Joseph H. Gross in memory of their son, Henry</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Dr. and Mrs. Clifford Harris, in memory of their niece, Mary Ann Karamitsos</td>
<td>$25.00</td>
</tr>
<tr>
<td>In memory of Scott Lindeman</td>
<td>$62.25</td>
</tr>
<tr>
<td>Friends of Bonnie McCarville</td>
<td>$20.00</td>
</tr>
<tr>
<td>Employees of Morrison General Electric Company</td>
<td>$10.00</td>
</tr>
<tr>
<td>F. D. Scott of the Holy Trinity Evangelical Church of Glenview</td>
<td>$35.00</td>
</tr>
<tr>
<td>Town and Country Restaurant</td>
<td></td>
</tr>
<tr>
<td>Miss Alice Sinnot and others at the Morrison General Electric Company, in memory of Baby Stenson</td>
<td>$12.50</td>
</tr>
</tbody>
</table>

550. Various donors: for student aid

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Lester D. Kaplin</td>
<td>$50.00</td>
</tr>
<tr>
<td>Dr. W. H. Kubacki</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Lewis Elbert Martin Memorial Fund</td>
<td>$1,259.69</td>
</tr>
<tr>
<td>College of Pharmacy Alumni Association</td>
<td>$250.00</td>
</tr>
<tr>
<td>University of Illinois Organization Fund, Medical Center</td>
<td>$300.00</td>
</tr>
</tbody>
</table>

551. Various donors: to the Department of Surgery

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Warren H. Cole</td>
<td>$25.00</td>
</tr>
<tr>
<td>In memory of Mrs. Elizabeth Crabtree</td>
<td>$60.00</td>
</tr>
<tr>
<td>Mr. A. F. French in memory of Dr. Frank L. Melaney</td>
<td>$25.00</td>
</tr>
<tr>
<td>Mrs. Henry T. Martin in memory of Mr. Martin</td>
<td>$110.00</td>
</tr>
<tr>
<td>Friends of Joseph Miller</td>
<td>$90.00</td>
</tr>
<tr>
<td>Friends in memory of Mrs. Marilyn Napier</td>
<td>$368.00</td>
</tr>
<tr>
<td>Princeville Community Council</td>
<td>$250.00</td>
</tr>
<tr>
<td>Gilbert P. O'Connor</td>
<td>$200.00</td>
</tr>
<tr>
<td>Dr. William Requarth</td>
<td>$500.00</td>
</tr>
<tr>
<td>Veterans of Foreign Wars, Skokie Valley Post 3854</td>
<td>$7.50</td>
</tr>
<tr>
<td>In memory of Mrs. Jessie Watts</td>
<td>$108.00</td>
</tr>
<tr>
<td>Mrs. Esther Yampolsky</td>
<td>$50.00</td>
</tr>
<tr>
<td>Anonymous donor</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

552. Watson-Gailey Eye Foundation, Bloomington: to the Department of Ophthalmology for a resident training program

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winesingers: to the Department of Orthopaedic Surgery</td>
<td>$2,000.00</td>
</tr>
</tbody>
</table>

553. Winesingers: to the Department of Orthopaedic Surgery for purchase of a television set

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women's Auxiliary of the University of Illinois at the Medical Center: to the Research and Educational Hospitals to help defray the expenses in connection with the Volunteer Program</td>
<td>$148.47</td>
</tr>
</tbody>
</table>

554. Various donors: for student aid

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anonymous donor</td>
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555. Various donors: to the Department of Surgery

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556. Winesingers: to the Department of Orthopaedic Surgery for purchase of a television set

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Various donors: for student aid</td>
<td>$2,859.69</td>
</tr>
<tr>
<td>Anonymous donor</td>
<td>$50.00</td>
</tr>
<tr>
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</tr>
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<tr>
<td>Anonymous donor</td>
<td>$50.00</td>
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</table>

557. Various donors: to the Department of Surgery

<table>
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<tbody>
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558. Winesingers: to the Department of Orthopaedic Surgery for purchase of a television set

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<td>$7.50</td>
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<td>$108.00</td>
</tr>
<tr>
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<td>$50.00</td>
</tr>
<tr>
<td>Anonymous donor</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

559. Various donors: to the Department of Surgery

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winesingers: to the Department of Orthopaedic Surgery</td>
<td>$2,000.00</td>
</tr>
</tbody>
</table>

560. Winesingers: to the Department of Orthopaedic Surgery for purchase of a television set

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
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<td>$2,859.69</td>
</tr>
<tr>
<td>Anonymous donor</td>
<td>$50.00</td>
</tr>
<tr>
<td>Veterans of Foreign Wars, Skokie Valley Post 3854</td>
<td>$7.50</td>
</tr>
<tr>
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<td>$108.00</td>
</tr>
<tr>
<td>Mrs. Esther Yampolsky</td>
<td>$50.00</td>
</tr>
<tr>
<td>Anonymous donor</td>
<td>$50.00</td>
</tr>
</tbody>
</table>
1963] UNIVERSITY OF ILLINOIS 973

555. E. R. Squibb and Company: to the Department of Medicine, funds for domestic and foreign travel related to studies in hematology ............................................. 500 00

Total, Funds for Educational and Research Programs: $ 364 060 05

United States Government Grants and Research Contracts

<table>
<thead>
<tr>
<th>Grantor</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency for International Development</td>
<td>$ 352 128 18</td>
</tr>
<tr>
<td>Air Force</td>
<td>9 451 44</td>
</tr>
<tr>
<td>Army Surgeon General</td>
<td>154 048 04</td>
</tr>
<tr>
<td>Atomic Energy Commission</td>
<td>27 417 00</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>44 034 85</td>
</tr>
<tr>
<td>Office of Naval Research</td>
<td>34 364 44</td>
</tr>
<tr>
<td>Public Health Service</td>
<td>2 976 812 10</td>
</tr>
<tr>
<td>Vocational Rehabilitation Administration</td>
<td>7 445 24</td>
</tr>
<tr>
<td>Various Agencies for educational grants</td>
<td>200 00</td>
</tr>
</tbody>
</table>

Total, United States Government Grants and Research Contracts: $ 3 605 901 29

Research and Public Service Contracts with State of Illinois Agencies

<table>
<thead>
<tr>
<th>Contract</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residency training in psychiatry</td>
<td>$ 16 116 70</td>
</tr>
<tr>
<td>Chromosomal abnormalities in mental retardation</td>
<td>7 081 53</td>
</tr>
<tr>
<td>The relationship of neonatal hypoglycemia to neurological damage in prematurely born infants</td>
<td>2 195 54</td>
</tr>
<tr>
<td>Relation of neural metabolism to function</td>
<td>27 638 15</td>
</tr>
<tr>
<td>Study of tissue culture of neurons</td>
<td>1 223 10</td>
</tr>
<tr>
<td>The role of proteins of the brain in normal and abnormal brain functions</td>
<td>27 921 45</td>
</tr>
<tr>
<td>Psychosomatic differentiation in infancy</td>
<td>65 923 42</td>
</tr>
<tr>
<td>Dental treatment of residents of Healy School</td>
<td>38 08</td>
</tr>
<tr>
<td>Refund to donor</td>
<td>21 73</td>
</tr>
</tbody>
</table>

Total, Research and Public Service Contracts with State of Illinois Agencies: $ 148 116 24

Gifts of Equipment and Library Materials

<table>
<thead>
<tr>
<th>Gift</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jewelry alcohol torch</td>
<td>$ 12 00</td>
</tr>
<tr>
<td>Remington electric shaver</td>
<td>20 00</td>
</tr>
<tr>
<td>Remington roll-a-matic electric shaver</td>
<td>20 00</td>
</tr>
<tr>
<td>Turbo-jet dental unit</td>
<td>850 00</td>
</tr>
<tr>
<td>Suction apparatus facudent-densco</td>
<td>367 00</td>
</tr>
<tr>
<td>McKesson compressor</td>
<td>400 00</td>
</tr>
<tr>
<td>Aerotor</td>
<td>600 00</td>
</tr>
<tr>
<td>Universal controls</td>
<td>50 00</td>
</tr>
<tr>
<td>X-ray illuminator</td>
<td>40 00</td>
</tr>
<tr>
<td>Corn Products Company: a file, elevator-diebold super; estimated value</td>
<td>1 500 00</td>
</tr>
<tr>
<td>Mrs. R. Henner: to the Department of Otolaryngology, a Leitz trinocular microscope; estimated value</td>
<td>1 407 00</td>
</tr>
<tr>
<td>Horder's, Inc.: a tapewriter-dymo-mite; estimated value</td>
<td>60 00</td>
</tr>
<tr>
<td>Dr. L. S. King: to the Library of Medical Sciences, five books; estimated value</td>
<td>105 00</td>
</tr>
<tr>
<td>M. A. Manger: to the Allergy Clinic of the Research and Educational Hospitals, a Miconaire electrostatic filter; estimated value</td>
<td>100 00</td>
</tr>
<tr>
<td>R. M. Metal Products Company: three welders; estimated value</td>
<td>105 00</td>
</tr>
<tr>
<td>Dr. R. C. Muerche: air conditioner; estimated value</td>
<td>300 00</td>
</tr>
<tr>
<td>Dr. W. F. Peterson: micrometer Zeiss ocular; estimated value</td>
<td>25 00</td>
</tr>
<tr>
<td>Picker X-Ray Corporation: to the Research and Educational Hospitals, a body phantom dosimeter; estimated value</td>
<td>500 00</td>
</tr>
<tr>
<td>Ritter Company: fifteen rotor handpieces; estimated value</td>
<td>6 600 00</td>
</tr>
</tbody>
</table>
577. Miss D. Swanson: three falcon transistor radios; estimated value ........................................ 89 85
578. Western Electric Company: to the Department of Radiology, seventeen X-ray cassettes; estimated value ........................................ 600 00

Total, Gifts of Equipment and Library Materials ...................................................... $ 13 750 85
Total, Colleges at the Medical Center ................................................................. $ 4 670 551 74

Colleges at the Chicago Undergraduate Division
579. Amsted Industries, Inc., Chicago: to the Foundry and Pattern Laboratory for financial aid for students interested in the foundry industry ....................................................... $ 250 00
580. Foundry Educational Foundation, Cleveland, Ohio: scholarships in engineering ....................................................... $ 250 00

Total, Colleges at the Chicago Undergraduate Division ............................................. $ 500 00

Gifts to the University of Illinois Foundation
581. Envelope Fund Projects (formerly Illini Achievement Fund) ........................................ $ 270 418 22
582. Other Gifts for Current Purposes .......................................................................... 92 363 95
583. Endowment Funds .............................................................................................. 642 919 04
584. Funds for Physical Plant Purposes ....................................................................... 78 521 91

Total, Gifts to the University of Illinois Foundation ...................................................... $ 1 084 363 12

Summary

Funds from Private Donors
To the University
For Urbana-Champaign ............................................................................................. $ 3 450 731 08
For Chicago Colleges and Divisions ........................................................................ 917 034 21
To the University of Illinois Foundation ................................................................ 1 084 363 12
Total .......................................................................................................................... $ 5 452 128 41

Funds from United States Government
For Urbana-Champaign (including $233,000 from National Defense Education Act for student loan program for all campuses) ......................................................... $21 710 160 03
For Chicago Colleges and Divisions ........................................................................ 3 605 901 29
Total .......................................................................................................................... $25 316 061 32

Funds from Contracts with State of Illinois Agencies
For Urbana-Champaign ............................................................................................. $ 799 051 96
For Chicago Colleges and Divisions ........................................................................ 148 116 24
Total .......................................................................................................................... $ 947 168 20
Grand Total ................................................................................................................ $31 715 357 93

On motion of Mr. Johnston, this report was received for record.

CHANGE IN NAME OF ASSEMBLY HALL

President Clement read the following letter received by members of the Board of Trustees from the Governor of Illinois:

OFFICE OF THE GOVERNOR
SPRINGFIELD

OTTO KERNER
Governor
November 30, 1963

Honorable Howard W. Clement
University of Illinois Board of Trustees
355 Stratford Road
Des Plaines, Illinois

DEAR MR. CLEMENT:

As a tribute to the late President Kennedy, I request that, at the next meeting of the Board of Trustees of the University of Illinois, you consider naming the new assembly hall on the Champaign campus in his honor.
It is fitting and proper that this unique and magnificent structure bear the name of John F. Kennedy, because he brought to the Presidency a love of athletics and the arts—two vital facets of our life for which the assembly hall was erected.

Sincerely,

OTTO KERNER
Governor

On motion of Mr. Swain, this request was referred to the Committee on Buildings and Grounds for consideration and advice to the Board.

Mr. Dilliard suggested that the Committee secure student opinion on the proposal.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointment of fellow; resignations and cancellations; leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ABDEL-LATIF, ATA, Research Associate in Psychiatry (Medicine), eleven months from October 1, 1963, without salary (11-7-63).

AINSWORTH, WILLIAM A., Visiting Research Associate in Electrical Engineering (C), October 21, 1963-August 31, 1964, $8,000 a year (11-20-63).

ALBUQUERQUE, EDSON X., Instructor in Pharmacology (Medicine), ten months from November 1, 1963, without salary (12-3-63).


BEZKOROVAINY, ANATOLY, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1963, without salary (12-3-63).

CENTURY, BERNARD, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1963, without salary (12-3-63).

CHAVEZ, JOSEPH D., Associate Professor of Military Science and Head of the Department (Chicago Undergraduate Division), indefinite tenure from September 1, 1963, without salary (11-21-63).

DAHMS, ROBERT E., Clinical Instructor in Urology (Surgery) (Medicine), nine months from December 1, 1963, without salary (12-3-63).

DERBYSHIRE, ARTHUR J., Associate Professor of Speech (College of Liberal Arts and Sciences), one year from September 1, 1963, without salary; this is in addition to his appointment as Research Associate Professor of Otology (Medicine) (11-18-63).

DETERT, DAVID, Research Assistant in Electrical Engineering (C), eight months from January 1, 1964, $4,000, supersedes (11-29-63).

DOANE, WARREN, Assistant in Radiology (Medicine), ten months from November 1, 1963, without salary (11-27-63).

EGGLETON, REGINALD C., Research Associate in Electrical Engineering (C), nine months from December 1, 1963, $9,600 a year, supersedes (11-26-63).

FERDMAN, NADINE, Research Assistant in Chemistry, eight months from January 1, 1964, $3,433.36 (12-3-63).

FETROW, KENNETH O., Clinical Instructor in Orthopaedic Surgery (Medicine), one year from September 1, 1963, without salary (12-3-63).

FLEITES, ALBERTO L., Assistant in Anesthesiology (Surgery) (Medicine), November 5, 1963-June 30, 1964, without salary (11-27-63).

FRANKEL, MARVIN, Professor of Economics, indefinite tenure from September 1, 1963, without salary; this is in addition to his appointment as Research Professor in the Bureau of Economic and Business Research, on 1/2 time, and Associate Dean of the Graduate College, on 1/2 time (11-18-63).

GILLETTE, HOWARD E., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry), and in Surgery (Medicine), one year from September 1, 1963, without salary (11-13-63).
GOLDBERG, MRS. NORMA B., Clinical Instructor in Anesthesiology (Surgery) (Medicine), ten months from November 1, 1963, without salary (12-3-63).

GRUSCH, HUBERT L., Research Assistant in Electrical Engineering (C), eight months from January 1, 1964, $4,000, supersedes (11-29-63).

HARRISON, ROBERT M., Research Associate in Soil Chemistry (Agronomy) (S), November 8, 1963-August 31, 1964, $6,500 a year, supersedes (11-20-63).

HART, MARY L., Acquisition Assistant in the Library, seven months from February 1, 1964, $3,325 (12-3-63).

HENDERSON, JOHN D., Visiting Professor of Library Science (Graduate School of Library Science), ½ time, February 1-June 15, 1964, $3,800, supersedes (11-20-63).

HERO, BETTY L., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals), College of Pharmacy, nine months from December 1, 1963, $7,850 a year (12-3-63).

JOHNSON, OLAF K., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1963, without salary (11-13-63).

KIRSCHENBAUM, M. Barry, Clinical Instructor in Dermatology (Medicine), ten months from November 1, 1963, without salary (12-3-63).

KREMBEL, ROBERT H., Professor of Anatomy on the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/Th-2, for the day August 1, 1963, and resuming service August 19, 1963, and continuing through August 31, 1963, $17,814 a year, and for the period September 1, 1963-August 17, 1965, $18,688 a year; and Professor of Anatomy (Medicine), indefinite tenure for the academic year beginning September 1, 1965, supersedes (11-9-63).

KLEOD, RODERICK, Research Associate in Botany, ten months from November 1, 1963, $6,500 a year (11-29-63).

MASON, JAMES H., Instructor in Surgery (Medicine), ½ time, nine months from December 1, 1963, $7,350 a year, supersedes (11-18-63).

MENACHOF, IRVIN, Clinical Instructor in Ophthalmology (Medicine), one year from September 1, 1963, without salary (12-3-63).

MILEWSKI, JOSEPH, Physician in the Health Service (Medical Center, Chicago), 3/10 time, ten months from November 1, 1963, $3,400 a year (11-20-63).

MQUEL, MRS. ANNE-MARIE, Research Assistant in Chemistry, eight months from January 1, 1964, $3,433.36 (11-26-63).

NASATIR, SHELLEY H., Assistant in Radiology (Medicine), eleven months from October 1, 1963, without salary (11-27-63).

NOTON, MRS. WINIFRED, Visiting Instructor in Library Science (Graduate School of Library Science), ½ time, February 1-June 15, 1964, $1,500 (11-20-63).

OHLSEN, MERLE M., Professor of Educational Psychology (Education), indefinite tenure from March 1, 1964, to render service during each academic year, $13,600 a year, supersedes (12-3-63).

O'NEILL, JOHN J., Professor of Audiology, Department of Otolaryngology (Medicine), indefinite tenure from September 1, 1963, without salary; this is in addition to his appointment as Professor of Speech and Director of the Speech and Hearing Clinics (Liberal Arts and Sciences) and Counselor on the University Council on Teacher Education (Education) (11-18-63).

OPPENHEIMER, MRS. ZELDA V., Assistant in Foreign Languages (Chicago Undergraduate Division), October 22, 1963-January 31, 1964, $555.55 a month (11-18-63).

PEPPER, GEORGE, Physician in the Health Service (Medical Center, Chicago), 15/100 time, November 1, 1963-August 31, 1964, $1,800 a year; this is in addition to his appointment as Clinical Assistant Professor of Obstetrics and Gynecology (Medicine), without salary (11-20-63).

REDDY, REDALAREPAKA RAMCHANDRA, Research Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), nine months from December 1, 1963, $4,500 (11-26-63).
REIMER, BENNETT, Assistant Professor of Secondary and Continuing Education (College of Education), ½ time, and of Music (College of Fine and Applied Arts), ½ time, one year from September 1, 1963, $9,250, supersedes (11-14-63).

RITTER, DIANE S., Assistant in Occupational Therapy (Medicine), nine months from December 1, 1963, $6,800 a year, supersedes (11-12-63).

SCHUYLER, NOAH R., Visiting Lecturer in Economics (Chicago Undergraduate Division), ½ time, to render service during the second semester of the academic year 1963-64, $2,000 (11-19-63).

SHAUGHNESSY, HOWARD J., Professor of Public Health and Preventive Medicine on the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for the day October 11, 1963, and resuming service October 23, 1963, and continuing through April 13, 1964, $25,437 a year; and Professor of Public Health and Head of the Department (Medicine), indefinite tenure, ½ time, for the period October 12-22, 1963, and beginning April 14, 1964, $18,500 a year, supersedes (11-9-63).

SIEGEL, PETER, Physician in the Health Service (Medical Center, Chicago), 15/100 time, ten months from November 1, 1963, $1,800 a year; this is in addition to his appointment as Clinical Assistant Professor of Obstetrics and Gynecology (Medicine), without salary (11-20-63).

SIMPSON, KENNETH H., Clinical Instructor in Urology (Surgery) (Medicine), nine months from December 1, 1963, without salary (12-3-63).

SMITH, ALEXANDER T., Clinical Instructor in Psychiatry (Medicine), eleven months from October 1, 1963, without salary (12-3-63).

STARSHAK, THOMAS J., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1963, without salary (11-13-63).

WHEELER, JAMES E., Instructor in Accountancy, ½ time, to render service during the second semester of the academic year 1963-64, $1,950, supersedes (11-12-63).


WITTING, LLOYD A., Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1963, without salary (12-3-63).

FELLOW

(The following appointment made by the Dean of the Graduate College was approved on the date indicated in parentheses.)

BASSEL, BYRON A., JR., Postdoctoral Fellow in Microbiology, seven months from December 1, 1963, $3,500 (11-11-63).

RESIGNATIONS AND CANCELLATIONS

AGUSTSSON, MAGNUS H., Clinical Assistant Professor of Pediatrics (Medicine) — resignation effective November 1, 1963.

ANAND, SATISH C., Research Associate in Agronomy — resignation effective December 19, 1963.

BROOKER, ELMER W., Research Assistant in Civil Engineering — resignation effective November 13, 1963.

FISCHER, DON A., Assistant in Orthopaedic Surgery (Medicine) — resignation effective October 1, 1963.

DWORSCHAK, FRIEDRICH, Research Associate in Physics — resignation effective January 1, 1964.

GUPTA, OM PRAKASH, Assistant Professor of Radiology (Dentistry) — resignation effective November 1, 1963.

HAMILTON, ROBERT C., Instructor in Orthopaedic Surgery and Orthopaedist in the Division of Services for Crippled Children — resignation effective July 1, 1963.

HASSLER, MRS. IDA P., Research Assistant in Chemistry — resignation effective October 1, 1963.

MATTISON, DONALD C., JR., Instructor in Dentistry (Dentistry) — resignation effective November 9, 1963.

OLSON, ROSS G., Assistant in Medicine (Medicine) — cancellation effective October 12, 1963.
SEYMOUR, DIGBY G., Clinical Assistant Professor of Anesthesiology (Surgery) (Medicine) — resignation effective November 1, 1963.

VISWANATHAN, LAKSHMIKANTHRAO, Research Associate in Chemistry — resignation effective January 1, 1964.

WANG, MRS. VENETIA, Bibliographer in the Library with rank of Instructor — resignation effective January 13, 1964.

WANN, ELBERT V., Research Associate in Vegetable Crops — resignation effective December 1, 1963.

WENTE, HENRY L., Instructor in Clinical Dentistry (Dentistry) — resignation effective November 1, 1963.

LEAVES OF ABSENCE

BANTA, FRANK G., Associate Professor of German and Chairman of the Department of Germanic Languages and Literatures — leave of absence, without pay, for one year from September 1, 1964, so that he may accept an appointment as Professor in the German Department of Indiana University.

KAISER, HENRY F., Professor of Educational Psychology (College of Education) and of Psychology (College of Liberal Arts and Sciences) — leave of absence, without pay, from September 1, 1964, and continuing to February 1, 1965, so that he may accept the L. L. Thurstone Distinguished Fellowship in Psychometrics at the University of North Carolina.

MARX, WERNER, Assistant Professor of German — leave of absence, without pay, for one year from September 1, 1964, so that he may accept a teaching position in a national school or an American-sponsored school abroad under the United States Government.

ROSS, O. BURR, Professor of Animal Science and Head of the Department — leave of absence, without pay, beginning November 4 and continuing through December 15, 1963, so that he may be a Member of Joint Indo-American Review Team (Agricultural Research and Education), a Rockefeller Foundation assignment.

LETTER FROM SECRETARY OF THE STATE UNIVERSITIES RETIREMENT SYSTEM

President Clement read a letter from the Secretary of the State Universities Retirement System expressing appreciation of the new office quarters provided for it by the University.

APPOINTMENT TO THE MERIT BOARD OF THE UNIVERSITY CIVIL SERVICE SYSTEM OF ILLINOIS

President Clement called attention to the vacancy in the representation of the Board of Trustees of the University of Illinois on the Merit Board of the University Civil Service System of Illinois, due to the resignation of Judge A. Harewood as a Trustee, and asked if the Board wished to take any action.

Mrs. Watkins nominated Mr. Earl M. Hughes.

Mr. Johnston moved that the nominations be closed, and this motion was adopted.

On motion of Mrs. Watkins, Mr. Hughes was elected to serve with Mr. Timothy W. Swain and Mr. Harold Pogue on the Merit Board of the University Civil Service System of Illinois as representatives of the Board of Trustees of the University of Illinois.

JANUARY, FEBRUARY, AND MARCH MEETINGS

President Clement announced that the next three meetings of the Board are scheduled for January 15, February 19, and March 10, 1964.

The Board has previously voted to hold the January meeting in Chicago.

It was the consensus of the Board that the February meeting should be held as scheduled on February 19, and in Urbana.
On motion of Mr. Johnston, the Board voted to change the date of the annual meeting from the second Tuesday, March 10, to the third Wednesday, March 18, 1944, to be held in Urbana.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested and was being ordered for consideration of patentable inventions and property acquisitions.

On motion of Mr. Swain, the Board recessed.

When the Board reconvened in executive session, the same members and officers of the Board and of the University were present as recorded at the beginning of these minutes.

The Board considered the following reports and recommendations from the President of the University.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the University Research Board, the following reports and recommendations relating to patentable inventions by members of the staff.

1. Liquid helium cooled tilting stage for an electron microscope—J. A. Venables, Research Assistant Professor of Physics, inventor. The invention is a very low temperature stage for an electron microscope provided by the use of nitrogen as a cooler so that specimen contamination is not a problem. It was developed under an Atomic Energy Commission contract. Federal law provides that in such an event, the Commission has the sole discretion as to the disposition of the invention. The Commission has advised the University that it does not wish to apply for a patent. It is the opinion of Professor G. M. Almy of the Department of Physics and the Atomic Energy Commission that this invention has limited possibilities for commercial value and the Patent Committee concurs with this opinion. The inventor has requested that the invention be released to him. Accordingly, the Patent Committee recommends the release of the rights of the University in the invention to the inventor subject to any contractual obligations that the University may have to the United States government.

2. Production and application of acoustic waves resulting from pulsed RF discharges in gases—Ladislas Goldstein, Professor of Electrical Engineering, M. R. Roux, former Research Assistant in the Gaseous Electronics Laboratory, and J. A. Dayton, Jr., Research Assistant in Electrical Engineering, inventors. This discovery consists of the production of ordinary sound waves and pseudosound waves in low-pressure gasses by the breakdown of such gasses by high powered pulsed micro wave signals. The Head of the Department of Electrical Engineering is of the opinion that this invention has little likelihood of commercial value. The Patent Committee concurs in this opinion and recommends that the rights of the University be leased to the inventors subject to any contractual obligations that the University may have to the United States government and with the further stipulation that if the inventors do not exercise their rights to file for a patent within a reasonable period that all rights of the University be transferred to the government.

3. Two-slit optical interferometer—J. B. Gerardo, Graduate Assistant in the Gaseous Electronics Laboratory, inventor. This device provides a means of shifting the phase of the light impinging in one of the slits thereby shifting the fringe pattern. The Head of the Electrical Engineering Department is of the opinion that this invention will prove to have little commercial value. The Patent Committee concurs in this opinion and recommends that the rights of the University be released to the inventor subject to any contractual obligations that the University may have to the United States government and with the further stipulation that...
if the inventor does not exercise his rights to file for a patent within a reasonable period that all rights of the University be transferred to the government.

I concur in these recommendations.

On motion of Mr. Swain, these recommendations were approved.

**PURCHASE OF PROPERTY AT 205 SOUTH GOODWIN AVENUE, URBANA**

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 205 South Goodwin Avenue, Urbana, Illinois, at a price of $30,500 which is within the appraisals received.

The property consists of a lot 46 feet by 60 feet (2,760 square feet) and is improved with a two-story and basement brick veneer residence. This lot is the last remaining parcel not owned by the University in the area bounded by Green Street, Goodwin Avenue, Mathews Avenue, and Western Avenue.

The Committee on Buildings and Grounds has been consulted and supports the recommendation.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Pogue, the purchase of this property, at the price indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

**ACQUISITION OF PROPERTY AT 603 EAST DANIEL STREET, CHAMPAIGN**

(3) On October 26, 1963, the Board of Trustees authorized the purchase of the property at 603 East Daniel Street, Champaign, commonly referred to as the Thunderbird Restaurant property, by negotiation at a price not to exceed $100,000. The Board also authorized the Executive Committee to adopt a resolution for institution of condemnation proceedings for the acquisition of the property if negotiations for the purchase were not successful.

The Director of the Physical Plant and the Vice-President and Comptroller report that they have not succeeded in negotiating purchase of the property at a price they can recommend. Accordingly, they request authorization of condemnation proceedings for acquisition of this property along with the adjoining property at 605 East Daniel Street, Champaign, commonly referred to as the Cosmopolitan Club, which the University is also seeking to acquire through condemnation.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund.

I concur, and the following resolution is offered:

**Resolution**

*Be It, and It Is Herby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois:

The East Half of the North Seventy-three (73) feet of Lot Four (4) in Block One (1) of A. T. Hall's Addition to the City of Champaign, Illinois, situated in the City of Champaign, in the County of Champaign, in the State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a vehicular parking area for staff members of the University of Illinois in the conduct of the educational functions of the University of Illinois and for other educational purposes conducted and to be conducted, and for the further expansion of the educational facilities of said University of Illinois, and to enable said University of Illinois to discharge its

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1 The negotiations for purchase of this property were still under way until shortly before today's meeting of the Board so that the Executive Committee had no occasion to act in the matter. — Secretary's Note.
duty to the people of said State and for public use; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land but that said owners have refused to sell and convey said land to said The Board of Trustees of the University of Illinois for such price and continue to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the Compensation to be paid by it for said land can not be agreed upon between this Board of Trustees and the owners of said land and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

ACQUISITION OF PROPERTY AT 1306 WEST SPRINGFIELD AVENUE, URBANA

(4) University representatives have been negotiating for the purchase of the property at 1306 West Springfield Avenue, Urbana. The property is a lot 66 feet by 100 feet (6,600 square feet) with a two and one-half story and basement frame building now used for apartments and student rooms. The land is needed as part of the site for the Digital Computer Laboratory Building Second Addition.

On the basis of University appraisals, the owner has been advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of $39,500. This offer is not acceptable, and the asking price remains substantially in excess of the highest University appraisal. Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.
The Committee on Buildings and Grounds has been consulted and supports the recommendation.
Funds are available in the state capital appropriations to the University from the Universities Building Fund.
I concur and recommend adoption of the following resolution.

Resolution

Be It, and It Is Hereby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Eight (8) in Block Fifty-four (54) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for a site for an addition to the Digital Computer Laboratory and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use;
that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owner of said land for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owner of said property and he and it are unable to agree upon the purchase price to be paid to said owner for the sale and conveyance of said land by said owner thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owner thereof for such land cannot be agreed upon between him and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid to it by the owner thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceedings.
On motion of Mr. Williamson, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

ACQUISITION OF FARM LAND IN LA SALLE COUNTY

(5) The Board of Trustees on October 26, 1963, authorized the purchase of one hundred and sixty acres of farmland in La Salle County adjoining a farm of the same size which is part of the farmlands given to the University by Miss Laura Weber.

The land was sold at public auction by the administrator of the estate. The University was represented at the sale by Mr. R. B. Taylor of Newark, whose services were secured by the Department of Agricultural Economics. The Vice-President and Comptroller reports that the University was the successful bidder at a price of $560 an acre, or $89,600, and that the land has been purchased.

On motion of Mr. Johnston, this report was received for record.

On motion of Mr. Williamson, the Board adjourned.

Following adjournment, members of the Board and officers of the Board, officers of the University, and representative delegations of the staff at the Medical Center and at the Chicago Undergraduate Division were guests of officers of the First National Bank of Chicago at luncheon.

Following the luncheon, the Committees on General Policy and Buildings and Grounds held work sessions.

A. J. JANATA

Secretary

HOWARD W. CLEMENT

President
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The January meeting of the Board of Trustees of the University of Illinois was held in the Sheraton-Blackstone Hotel, Chicago, Illinois, on Wednesday, January 15, 1964, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Irving Dilliard and Governor Otto Kerner were absent.

Also present were President David D. Henry, Acting Provost Jack W. Peltason, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Dr. C. W. Sanford, Dean of Admissions and Records; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller; and Mr. A. J. Janata, Secretary.
MINUTES APPROVED

The Secretary presented the minutes of the meeting of the Board of Trustees on May 15, 1963, press proof copies of which have previously been sent to the Board.

On motion of Mrs. Watkins, these minutes were approved as printed on pages 483 to 529, inclusive.

APPOINTMENT OF THEODORE A. JONES TO THE BOARD OF TRUSTEES

President Howard W. Clement announced that Governor Otto Kerner on December 20, 1963, appointed Mr. Theodore A. Jones to be a member of the Board of Trustees of the University of Illinois, to fill the vacancy created by the resignation of Judge Richard A. Harewood, now a Judge of the Superior Court of Cook County, for the term expiring in March, 1965.4

Mr. Clement introduced Mr. Jones, who took his place with the Board.

COMMITTEE APPOINTMENTS

Mr. Clement appointed Mr. Jones to the following standing committees: Athletic Activities, Buildings and Grounds, General Policy, Patents, and Student Welfare and Activities (Chairman) to serve until the annual meeting of the Board in March, 1964, or until successors to standing committees have been appointed.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>MELVIN DAVIDSON</td>
<td>Evergreen Park, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>ROBERT BRUNO FROMM</td>
<td>Chicago, Illinois</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>DWIGHT ALBERT JOHNSON</td>
<td>Western Springs, Illinois</td>
<td>California</td>
</tr>
<tr>
<td>JOHN FRANCIS KELLER</td>
<td>Skokie, Illinois</td>
<td>Wisconsin</td>
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<tr>
<td>JERRY JOHN PEPICH</td>
<td>Des Moines, Iowa</td>
<td>Iowa</td>
</tr>
<tr>
<td>RONALD EDWARD TEEHAN</td>
<td>Ottawa, Illinois</td>
<td>Wisconsin</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Swain, these certificates were awarded.

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1 A certificate from the Secretary of State of Illinois of the Governor's appointment of Mr. Jones and copies of the Governor's letters relating to this appointment have been filed with the Secretary of the Board for record.
APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. Danuta Ehrlich, Clinical Assistant Professor of Psychology, Department of Psychiatry, College of Medicine, beginning November 1, 1963, without salary.
2. Stanley Friedman, Associate Professor of Entomology, beginning September 1, 1964, at an annual salary of $12,000.
3. Hans Holte Dahl, Visiting Professor of Geology, for the second semester of 1963-64, at a salary of $6,875.
4. Hugh H. Hussey, Clinical Professor of Medicine, beginning December 1, 1963, without salary.
5. Devere E. Killip, Assistant Professor of Teacher Education, Department of Postgraduate and Teacher Education, College of Dentistry, on three-fifths time, beginning January 1, 1964, at an annual salary of $5,400.
6. J. K. Mackenzie, Visiting Professor of Metallurgy, Department of Mining, Metallurgy, and Petroleum Engineering, for two months from November 10, 1963, at a salary of $3,000.
7. Julius D. Manson, Visiting Associate Professor of Dentistry, Department of Postgraduate and Teacher Education, College of Dentistry, on four-fifths time, from January 1 to March 31, 1964, at a salary of $2,800.
8. Edna E. Raphael, Assistant Professor of Nursing, for the winter quarter, January 6 to March 14, 1964, at a salary of $600.
9. Gary E. Ricketts, Assistant Professor of Animal Science, beginning January 1, 1964, at an annual salary of $9,000.
10. Yoshio Shimamoto, Visiting Research Professor of Physics, in the Digital Computer Laboratory, for the second semester of 1963-64, at a salary of $4,750.
11. Udita N. Singh, Visiting Professor of Mathematics, on one-third time, for the academic year 1963-64, at a salary of $4,000.
12. Merlin Taber, Associate Professor in the Jane Addams Graduate School of Social Work, beginning September 1, 1964, at an annual salary of $12,000.
13. Thomas Timusk, Research Assistant Professor of Physics, beginning May 1, 1964, at an annual salary of $9,200.
14. Edward Wasielewski, Visiting Associate Professor of Comparative Literature and Russian, for the second semester of 1963-64, at a salary of $4,750.

On motion of Mr. Johnston, these appointments were confirmed.

BUDGET FOR 1964 SUMMER SESSION
AND FACULTY APPOINTMENTS

(3) Submitted herewith is the budget and appointments to the faculty for the 1964 Summer Session: at Urbana-Champaign from June 15 to August 8; at the Chicago Undergraduate Division from June 19 to August 14; and at the Medical Center from June 22 to September 12.

The distribution of the budgeted funds is as follows:

Salaries

<table>
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<tr>
<th>Section</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Urbana-Champaign</td>
<td>$992,567</td>
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<tr>
<td>Medical Center</td>
<td>12,397</td>
</tr>
<tr>
<td>Reserve</td>
<td>45,036</td>
</tr>
<tr>
<td><strong>Total, Urbana-Champaign and Medical Center</strong></td>
<td><strong>1,050,000</strong></td>
</tr>
<tr>
<td>Chicago Undergraduate Division</td>
<td>177,293</td>
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<tr>
<td>Reserve</td>
<td>15,007</td>
</tr>
<tr>
<td><strong>Total, Chicago Undergraduate Division</strong></td>
<td><strong>192,300</strong></td>
</tr>
<tr>
<td><strong>Total, Summer Session Salaries</strong></td>
<td><strong>1,242,300</strong></td>
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Wages, Expense, and Equipment

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<tbody>
<tr>
<td>Urbana-Champaign</td>
<td>$15,410</td>
</tr>
<tr>
<td><strong>Total, Summer Session Budget</strong></td>
<td><strong>$1,257,710</strong></td>
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</table>
Salaries of members of the University faculty recommended for summer session appointments are computed on the basis of the standard formula: two-ninths of the salary of the academic year for eight weeks of service, with proportionate amounts for shorter periods or for part-time service. The appointments being recommended include a number of visiting lecturers from other colleges and universities at the salaries indicated.

I recommend that the appointments to the summer session staff be approved as submitted, and that the President of the University be authorized to accept resignations and make such changes and adjustments and additional appointments as are necessary in accordance with the needs of the University within the allocations of funds indicated.

**URBANA-CHAMPAIGN**

**Accountancy**

<table>
<thead>
<tr>
<th>Per Cent Summer Time</th>
<th>Salary</th>
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<tbody>
<tr>
<td>1. Norton M. Bedford, Professor</td>
<td>100</td>
</tr>
<tr>
<td>2. Robert I. Dickey, Professor</td>
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<tr>
<td>3. Kenneth W. Perry, Professor</td>
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</tr>
<tr>
<td>4. Vern K. Zimmerman, Professor</td>
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<tr>
<td>5. Robert E. Schlosser, Associate Professor</td>
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<tr>
<td>6. William A. Peterson, Assistant Professor</td>
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</tr>
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<td>7. Nancy A. Desmond, Instructor</td>
<td>50</td>
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<tr>
<td>8. Robert W. Clarke, Assistant</td>
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**Advertising**

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<tr>
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<tbody>
<tr>
<td>1. James E. Moyer, Associate Professor</td>
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**Agricultural Economics**

<table>
<thead>
<tr>
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**Anthropology**

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<tr>
<td>2. John C. McGregor, Professor</td>
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</tr>
<tr>
<td>3. Edward M. Bruner, Associate Professor</td>
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**Architecture**

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<td>100</td>
</tr>
<tr>
<td>2. Linwood J. Brightbill, Professor</td>
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<tr>
<td>3. George M. Hodge, Jr., Associate Professor</td>
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<tr>
<td>4. Stephen J. Y. Tang, Associate Professor</td>
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</tr>
<tr>
<td>5. Carlos T. Marfort, Assistant Professor</td>
<td>100</td>
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<tr>
<td>6. Herman G. Fundt, Assistant Professor</td>
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<td>7. Gerald L. Exline, Instructor</td>
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**Art**

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<td>2. Edward J. Zagorski, Professor</td>
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<td>3. George N. Foster, Associate Professor</td>
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<td>4. Donald E. Frith, Associate Professor</td>
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<td>5. Billy M. Jackson, Associate Professor</td>
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<td>6. James H. Lynch, Associate Professor</td>
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<tr>
<td>7. Ronald W. Sterkel, Associate Professor</td>
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<td>8. James B. Wallace, Associate Professor</td>
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<td>9. Frank Gallo, Assistant Professor</td>
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<tr>
<td>10. John A. Roy, Assistant Professor</td>
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<tr>
<td>Per Cent Time</td>
<td>Summer Salary</td>
</tr>
<tr>
<td>----------------</td>
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</table>

Victor Frank E Arey J Minerva Pinnell. Visiting Lecturer
Sharon Lumsden. Assistant
Claramav Trainor
Richard H James F
Guy Helmy H Daniel M
Neville Jones. Professor
Leslie Brooks. Instructor
Burmeister. Instructor
Martin. Assistant Professor
Perlmutter. Assistant Professor
Baligh. Assistant Professor
Slate. Associate Professor
Westwater. Professor
Brady. Instructor
Graduate School of Business Administration

Business Education

Chemistry and Chemical Engineering
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Time</th>
<th>Summer Salary</th>
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</thead>
<tbody>
<tr>
<td>Millicent V. Martin</td>
<td>Assistant Professor</td>
<td>50</td>
<td>1 556</td>
</tr>
<tr>
<td>Robert B. Smith</td>
<td>Assistant Professor of Music</td>
<td>50</td>
<td>878</td>
</tr>
<tr>
<td>Collene B. King</td>
<td>Instructor</td>
<td>50</td>
<td>1 312</td>
</tr>
<tr>
<td>N. M. Newmark</td>
<td>Professor</td>
<td>25</td>
<td>1 317</td>
</tr>
<tr>
<td>Edwin H. Gaylord, Jr.</td>
<td>Professor</td>
<td>50</td>
<td>3 122</td>
</tr>
<tr>
<td>William J. Hall</td>
<td>Professor</td>
<td>70</td>
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<tr>
<td>Moreland Herrin</td>
<td>Professor</td>
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<td>Herbert O. Ireland</td>
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<td>1 680</td>
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<tr>
<td>William H. Munse</td>
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<td>1 667</td>
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<tr>
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<tr>
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<td>1 667</td>
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<tr>
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<td>1 649</td>
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<tr>
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<td>Classics</td>
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<tr>
<td>Digital Computer Laboratory</td>
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**Board of Trustees**

**January 15**

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<thead>
<tr>
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### Economics

<table>
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<td>Robert W. Resek, Assistant Professor</td>
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### Educational Administration and Supervision

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<th>Summer Time</th>
<th>Summer Salary</th>
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<tbody>
<tr>
<td>Fred P. Barnes, Professor of Elementary Education</td>
<td>Professor of Secondary and Continuing Education</td>
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<tr>
<td>Harold C. Hand, Professor of Secondary and Continuing Education</td>
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<td>(Total Salary)</td>
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<tr>
<td>Lloyd E. Mcleary, Professor</td>
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<td>100</td>
<td>$2,667</td>
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<tr>
<td>John E. McGill, Professor of Elementary Education</td>
<td>(See Elementary Education)</td>
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<td>(1,272)</td>
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- **Elementary Education**: $49,776

**Total Salary**: $103,587
**UNIVERSITY OF ILLINOIS**

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(Department of Geology, University of Cincinnati, Cincinnati, Ohio)

### Germanic Languages and Literatures

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(Roosevelt University, Chicago, Illinois)

(Cornell University, Ithaca, New York)

($23 440)

### History and Philosophy of Education

1. Walter V. Kaulfers, Professor of Secondary and Continuing Education ........................................ 100 $ 2 223
2. B. Othanel Smith, Professor ........................................... 100 3 634
3. W. O. Stanley, Professor ........................................... 100 2 812
4. Joe R. Burnham, Associate Professor ......................... 100 2 167
5. Foster McMurray, Associate Professor ......................... 100 2 012

6. John R. Palmer, Associate Professor of Secondary and Continuing Education ........................................ 100 2 012
7.                                            Assistant ........................................... 50 500
8.                                            Assistant ........................................... 50 500
9.                                            Assistant ........................................... 50 500
10.                                           Visiting Lecturer ........................................... 100 3 520
11.                                           Visiting Lecturer ........................................... 100 2 200
12.                                           Visiting Lecturer ........................................... 100 2 200

($24 280)

### Home Economics

1. Willis C. Kaufman, Associate Professor (June 15 to July 11) ........................................... 100 956
2. Glenna H. Lamkin, Assistant Professor (July 13 to August 8) ........................................... 100 845
3.                                            Assistant ........................................... 50 512
4.                                            Visiting Lecturer ........................................... 50 1 112

($3 425)

### Industrial Administration

1. E. J. DeMaris, Professor ........................................... 50 1 445
2. Paul C. Roberts, Professor ........................................... 50 1 406
3. B. F. Kirkpatrick, Associate Professor ......................... 50 1 012
4.                                            Associate Professor ........................................... 100 2 556
5. James G. Hunt, Instructor ........................................... 50 667
6. D. J. Laughhunn, Assistant ........................................... 50 578

($7 664)

### Journalism

1. Jay W. Jensen, Associate Professor ........................................... 50 1 639
2. John H. Schacht, Associate Professor ......................... 25 598

($2 237)

### Law

1. Edward W. Cleary, Professor ........................................... 100 4 889
2. John E. Cribbet, Professor ........................................... 100 4 778
3. Victor J. Stone, Professor ........................................... 100 3 045
4. J. Nelson Young, Professor ........................................... 100 4 778
5. Wayne R. LaFave, Associate Professor ......................... 100 2 667
6. David C. Baum, Assistant Professor ......................... 100 2 334
7. Harry D. Krause, Assistant Professor ......................... 100 2 334
8.                                            Visiting Lecturer ........................................... 100 3 000

($27 825)
Graduate School of Library Science

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Linguistics

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<td>5. O. A. Kubitz, Associate Professor</td>
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$11 638$

### Physical Education for Men

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<td>4. Earle F. Zeigler, Professor</td>
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<td>7. Roy J. Keller, Assistant Professor</td>
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<td>8. William L. Hottinger, Instructor</td>
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<td>11. Bruce J. Noble, Instructor</td>
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<td>12. Michael A. Sherman, Instructor</td>
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<td>13. Peter T. Magnabosco, Assistant</td>
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<td>14. A. Celeste Ulrich, Visiting Lecturer</td>
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$20 964$

### Physical Education for Women

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<td>2. Beulah J. Drom, Assistant Professor</td>
<td>75</td>
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<td>3. Florence Patricia Cullen, Instructor</td>
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<td>4. Marjorie M. Harris, Instructor</td>
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<td>6. Dorothy B. Phipps, Assistant</td>
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$4 725$

### Physics

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### Physiology and Biophysics

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<td>2 089</td>
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<td>3. __________________, Assistant</td>
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$6 858$

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<td>(325 Lincoln Hall, University of Illinois, Urbana, Illinois)</td>
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<td>2. John H. Hallowell, Visiting Lecturer</td>
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<tr>
<td>(Department of Political Science, Duke University, Durham, North Carolina)</td>
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<tr>
<td>3. David M. Wood, Visiting Lecturer</td>
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<tr>
<td>(Department of Political Science, University of Missouri, Columbia, Missouri)</td>
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$7 735$

### Psychology

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<td>2. Frank Costin, Professor</td>
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3.  Jozef B. Cohen, Associate Professor.......................... 100  2 145
4.  W. G. McAllister, Associate Professor.......................... 100  1 889
5.  Donald T. Shannon, Associate Professor.......................... 100  1 889
6.  Raymond W. Frankmann, Assistant Professor...................... 50  1 945
   (See Educational Psychology).................................................. (50)  (1 890)
7.  Ira Bernstein, Instructor.......................... 50  556
8.  ————, Assistant.................................................. 50  467
9.  ————, Assistant.................................................. 50  467
   ($ 11 581)

Recreation and Municipal Park Administration
1.  Charles K. Brightbill, Professor.......................... 100  3 956
2.  Allen V. Sapora, Professor.......................... 100  2 823
3.  Adah D. Parker, Instructor.......................... 50  784
   ($ 7 563)

Secondary and Continuing Education
1.  R. Will Burnett, Professor.......................... 50  1 489
   (See Elementary Education).............................................. (50)  (1 489)
   (Total Salary).................................................. 2 978
2.  John J. DeBoer, Professor.......................... 100  2 589
3.  Harold C. Hand, Professor.......................... 50  1 812
   (See Educational Administration and Supervision).............. (50)  (1 811)
   (Total Salary).................................................. 3 623
4.  Kenneth B. Henderson, Professor.......................... 100  2 878
5.  Lawrence E. Metcalf, Professor.......................... 100  2 389
6.  Orrin E. Gould, Associate Professor...................... 50  989
   (See Elementary Education).............................................. (50)  (989)
   (Total Salary).................................................. 1 978
7.  Jerry L. Walker, Assistant Professor...................... 50  867
   (See Educational Psychology).............................................. (50)  (867)
   (Total Salary).................................................. 1 734
   ($ 13 013)

Slavic Languages and Literatures
1.  Kurt Klein, Assistant Professor.......................... 100  2 067
2.  Victor Terras, Associate Professor.......................... 50  1 023
3.  Constantin Uszynski, Assistant Professor...................... 100  1 623
4.  Borys Bilokur, Assistant.......................... 100  934
5.  ————, Assistant.................................................. 50  467
6.  ————, Assistant.................................................. 50  467
7.  ————, Assistant.................................................. 50  467
   ($ 7 048)

Sociology
1.  E. A. Ahrens, Associate Professor.......................... 100  1 978
2.  David J. Bordua, Associate Professor...................... 50  1 167
3.  ————, Instructor.................................................. 100  1 489
   ($ 4 634)

Spanish, Italian, and Portuguese
1.  W. H. Shoemaker, Professor.......................... 100  3 778
2.  Henry R. Kahane, Professor.......................... 50  1 650
   (See Linguistics).................................................. (50)  (1 650)
   (Total Salary).................................................. 3 300
3.  ————, Professor.................................................. 100  2 556
4.  Merlin H. Forster, Assistant Professor...................... 100  1 778
5.  ————, Assistant Professor.......................... 100  1 556
6.  Warren L. Meinhardt, Assistant.......................... 50  667
7.  ————, Assistant.................................................. 75  700
8.  ————, Assistant.................................................. 50  467
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### Per Cent Summer Time

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### Theoretical and Applied Mechanics

| 1.       | Cleetus Edward Bowman, Professor 83 | $ 2 149 |
| 2.       | Paul Guy Jones, Professor 50       | 1 545  |
| 3.       | Clyde E. Kesler, Professor 25      | 706    |
| 4.       | Wallace M. Lansford, Professor 100 | 3 178  |
| 5.       | Omar M. Sidebottom, Professor 67   | 1 956  |
| 6.       | James O. Smith, Professor 75       | 2 517  |
| 7.       | Charles E. Taylor, Professor 25    | 706    |
| 8.       | Thaddeus M. Elsesser, Associate Professor 50 | 1 012 |
| 9.       | Robert E. Miller, Associate Professor 50 | 1 056 |
| 10.      | Frederick G. Bauling, Assistant Professor 17 | 312   |
| 11.      | George Costello, Assistant Professor 50 | 1 056 |
| 12.      | Russell S. Jensen, Assistant Professor 50 | 956   |
| 13.      | John W. Murdock, Assistant Professor 50 | 889   |
|          | ($ 18 038)                          |

### Vocational and Technical Education

| 1.       | M. Ray Karnes, Professor 50 | $ 1 606 |
| 2.       | Arnold C. Condon, Professor of Business Education 50 | 1 589 |
| 3.       | Donald G. Lux, Associate Professor 100 | 2 378 |
| 4.       | Mary E. Mather, Associate Professor 100 | 1 912 |
| 5.       | Elizabeth R. Melson, Associate Professor of Business Education (See Business Education) 50 | 1 200 |
|          | (Total Salary) (50) (1 200) |
| 6.       | Elizabeth J. Simpson, Associate Professor 100 | 2 223 |
| 7.       | Robert M. Tomlinson, Assistant Professor 100 | 2 134 |
| 8.       | Assistant 50 | 1 200 |
|          | ($ 14 242)                          |

### Zoology

| 1.       | F. B. Adamstone, Professor 100 | $ 3 000 |
| 2.       | Hurst H. Shoemaker, Associate Professor 100 | 1 889 |
| 3.       | Charles A. Long, Instructor 100 | 1 112 |
| 4.       | Donald L. Batch, Assistant 50 | 500   |
| 5.       | Thomas W. Betz, Assistant 50 | 467   |
| 6.       | Paul S. Killmer, Assistant 50 | 467   |
| 7.       | Richard E. Rayle, Assistant 50 | 467   |
| 8.       | Daniel H. Stern, Assistant 50 | 467   |
| 9.       | James T. Wallace, Assistant 50 | 467   |
| 10.      | Joseph J. White, Assistant 50 | 467   |
| 11.      | A. A. Johnson, Visiting Lecturer 100 | 1 800 |
|          | (Hendrix College, Conway, Arkansas) ($ 11 103)                          |

Total, Urbana Champaign

$992 567

### Departmental Wages, Expense, and Equipment

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<td>Mexico</td>
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<td>Education</td>
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Forestry Camp

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Recreation and Municipal Park Administration

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<tr>
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Total, Wages, Expense, and Equipment...

| $15,410 |

MEDICAL CENTER

College of Pharmacy

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<tr>
<td>1. Charles L. Bell, Assistant Professor (June 22 to August 1)</td>
</tr>
<tr>
<td>2. Dominick Coviello, Assistant Professor (August 3 to September 12)</td>
</tr>
<tr>
<td>3. Bernard J. Kurpin, Instructor in Physics (June 22 to August 1)</td>
</tr>
<tr>
<td>4. McLouis J. Robinet, Instructor in Physics (August 3 to September 12)</td>
</tr>
<tr>
<td>5. Norman L. Hines, Assistant (June 22 to August 1)</td>
</tr>
<tr>
<td>6. Morton J. Kanter, Assistant (August 3 to September 12)</td>
</tr>
<tr>
<td>7. Shashi P. Mehta, Assistant (August 3 to September 12)</td>
</tr>
<tr>
<td>8. Dennis Pogany, Assistant (June 22 to August 1)</td>
</tr>
<tr>
<td>9. Martin Schreibman, Assistant (June 22 to August 1)</td>
</tr>
<tr>
<td>10. Kenneth M. Solovy, Assistant (August 3 to September 12)</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Pharmacy</th>
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</thead>
<tbody>
<tr>
<td>1. Bernard Ecanow, Associate Professor (July 20 to August 14)</td>
</tr>
<tr>
<td>2. Herbert M. Emig, Associate Professor (June 22 to July 17)</td>
</tr>
<tr>
<td>3. Frederick Siegel, Associate Professor (June 22 to July 17)</td>
</tr>
<tr>
<td>4. Harold J. Rhodes, Assistant Professor (August 17 to September 12)</td>
</tr>
<tr>
<td>5. Sen-Maw Fang, Assistant (August 3 to September 12)</td>
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<tr>
<td>6. Song-ling Lin, Assistant (June 22 to July 13)</td>
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</tbody>
</table>

Total, Medical Center

| $12,397 |

CHICAGO UNDERGRADUATE DIVISION

Architecture

<table>
<thead>
<tr>
<th>Architecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Don A. Masterton, Associate Professor of Art</td>
</tr>
<tr>
<td>2. Robert K. Adams, Instructor</td>
</tr>
<tr>
<td>3. Roger G. Whitmer, Lecturer</td>
</tr>
<tr>
<td>4. Howard T. Fisher, Visiting Lecturer (1060 Sheridan Road, Winnetka, Illinois)</td>
</tr>
</tbody>
</table>

Art

<table>
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<tr>
<th>Art</th>
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</thead>
<tbody>
<tr>
<td>1. John D. McNee, Professor</td>
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</tbody>
</table>

Biological Sciences

<table>
<thead>
<tr>
<th>Biological Sciences</th>
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</thead>
<tbody>
<tr>
<td>1. Kenneth M. Madison, Professor</td>
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<tr>
<td>2. Sidney F. Glassman, Professor</td>
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<tr>
<td>3. A. S. Rouffa, Professor</td>
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<tr>
<td>4. William Sangster, Professor</td>
</tr>
<tr>
<td>5. Max C. Shank, Professor</td>
</tr>
<tr>
<td>6. Ellis B. Little, Associate Professor</td>
</tr>
<tr>
<td>7. James A. Bond, Assistant Professor</td>
</tr>
</tbody>
</table>
8. John C. Hadder, Assistant Professor .......................... 50 917
9. John T. Newell, Assistant Professor .......................... 50 889
10. Halina J. Presley, Assistant Professor ....................... 50 889
11. Sara R. Drower, Instructor ................................. 50 556
12. Margaretha Woodard, Visiting Lecturer .......................... 50 750
(University of Illinois, 1964)

Business Administration
1. Samuel Fox, Professor of Accountancy .......................... 100 $ 2 623
2. W. D. Grampp, Professor of Economics .......................... 100 2 500
3. Alfonse T. Malinosky, Associate Professor of Accountancy .......................... 50 1 000
4. Albert J. Schneider, Associate Professor of Accountancy .......................... 50 1 234
5. Daniel K. Andrews, Assistant Professor of Finance .......................... 100 1 678
6. William J. Dunne, Assistant Professor of Management .......................... 25 623
7. Carl M. Larson, Assistant Professor of Marketing .......................... 100 1 867
8. Lawrence Lipkin, Assistant Professor of Accountancy .......................... 100 1 600
9. Oscar Miller, Assistant Professor of Economics .......................... 100 1 712
10. Edward T. Ossman, Instructor in Accountancy .......................... 100 1 356
($ 13 536)

Education
1. Madelaine Shalabi, Associate Professor .......................... 100 $ 1 889
($ 1 889)

Engineering
1. Arnold C. Cobb, Professor ................................. 100 $ 2 667
2. Algis Pabarcius, Assistant Professor .......................... 100 1 956
3. Raymond Palciauskas, Instructor .......................... 100 1 889
($ 6 512)

General Engineering
1. C. I. Carlson, Professor ................................. 100 $ 3 045
($ 3 045)

Humanities
1. Arnold J. Hartoch, Associate Professor of Foreign Languages .......................... 67 $ 1 534
2. Moreen Jordan, Associate Professor of English .......................... 100 1 956
3. John O. Marsh, Jr., Associate Professor of Foreign Languages .......................... 67 1 349
4. Ernest S. Willner, Associate Professor of Foreign Languages .......................... 67 1 408
5. Louis Broussard, Assistant Professor of English .......................... 100 1 612
6. Guinevere L. Griest, Assistant Professor of English .......................... 100 1 778
7. W. C. Jackman, Assistant Professor of English .......................... 100 1 889
8. Teddy R. Jackson, Assistant Professor of Speech .......................... 100 1 889
9. John H. Mackin, Jr., Assistant Professor of English .......................... 100 1 723
10. Kathryn H. Carlson, Instructor in English .......................... 100 1 512
11. Janice M. Crews, Instructor in Speech .......................... 100 1 689
12. Joseph L. Gray, Instructor in Foreign Languages .......................... 67 890
13. Lucy Hegie, Instructor in English .......................... 100 1 512
14. Dolores Keranen, Instructor in English .......................... 100 1 156
15. Irving S. Olsen, Instructor in Foreign Languages .......................... 67 949
16. Henry B. Russell, Instructor in Foreign Languages .......................... 67 890
17. Nancy A. Tomasek, Instructor in Foreign Languages .......................... 67 830
18. Basil E. LaGoudes, Assistant in English .......................... 100 1 023
19. Vera F. C. Land, Assistant in Foreign Languages .......................... 67 712
20. Ronald J. McCaig, Assistant in English .......................... 100 1 112
($ 27 413)

Mathematics
1. Irwin K. Feinstein, Professor .......................... 83 $ 1 963
2. Flora Dinkines, Associate Professor .......................... 100 2 223
3. Furio Alberti, Assistant Professor .......................... 100 1 834
1. Peter R. Berrafato, Associate Professor of Physical Education for Men .......................... 100 $ 989
2. Leo L. Gedvilas, Associate Professor of Physical Education for Men .......................... 50  $ 1,067
3. Benedict Montcalm, Assistant Professor of Physical Education for Men ......................... 50  878
4. George J. Strnad, Assistant Professor of Physical Education for Men .......................... 50  556
5. Robert J. Beck, Assistant in Physical Education for Men .......................... 50  556
6. Loretta A. Browski, Assistant in Physical Education for Women .......................... 100  1,112
7. James Descourouez, Assistant in Physical Education for Men .......................... 50  556
8. Thomas F. Russo, Assistant in Physical Education for Men .......................... 50  556

($ 6,503)

Physical Sciences
1. Carl R. Meloy, Professor of Chemistry ........................................... 100  $ 3,112
2. R. W. Karpinski, Professor of Geology ........................................... 100  2,489
3. Joseph Bachrach, Associate Professor of Chemistry ........................................... 100  2,089
4. H. J. Mueller, Associate Professor of Chemistry ........................................... 100  1,956
5. Samuel Schrage, Associate Professor of Chemistry ........................................... 100  2,089
6. Anatol Gottlieb, Assistant Professor of Chemistry ........................................... 100  1,778
7. John F. Steiner, Assistant Professor of Chemistry ........................................... 100  1,778
8. John W. Weldon, Assistant Professor of Chemistry ........................................... 100  1,945
9. Sabine A. Casten, Instructor in Chemistry ........................................... 100  1,334
10. John W. Cowin, Instructor in Chemistry ........................................... 67  1,126
11. Shafeek Farag, Instructor in Chemistry ........................................... 75  1,067
12. Donald D. Hedberg, Instructor in Chemistry ........................................... 100  1,467
13. Elaine Z. Herzog, Instructor in Chemistry ........................................... 100  1,467
14. Thomas A. Lothian, Instructor in Chemistry ........................................... 100  1,334
15. G. I. Sackheim, Instructor in Chemistry ........................................... 100  1,689
16. Frances K. Seabright, Instructor in Chemistry ........................................... 83  1,297

($ 28,017)

Physics
1. Herman J. Johnson, Associate Professor ........................................... 100  $ 2,067
2. H. B. Weissman, Associate Professor ........................................... 33  778
3. Harold M. Skadeland, Associate Professor ........................................... 100  2,445
4. Ogden Livermore, Assistant Professor ........................................... 100  1,756
5. Fishel E. Moraine, Assistant Professor ........................................... 100  1,845
6. A. F. Silkett, Assistant Professor ........................................... 100  1,867
7. James W. Wilbur, Instructor ........................................... 100  1,534
8. Robert H. Krupp, Visiting Lecturer ........................................... 100  1,845

($ 14,137)

Social Sciences
1. Hollis W. Barber, Professor of Political Science ........................................... 100  $ 3,112
2. Alden D. Cutshall, Professor of Geography ........................................... 100  2,756
3. D. J. Morris, Professor of Philosophy .......................... 100 2 445
4. Twiley W. Barker, Jr., Associate Professor of Political Science .......................... 100 2 156
5. Robert E. Corley, Associate Professor of Sociology .......................... 100 2 112
6. Milton Rakove, Associate Professor of Political Science .......................... 100 1 889
7. Vivian C. Lipman, Assistant Professor of Psychology .......................... 100 1 612
8. Nan E. McGehee, Assistant Professor of Psychology .......................... 100 1 612
9. Mildred Kornacker, Instructor in Sociology .......................... 50 699
10. Robert R. Page, Instructor in Philosophy .......................... 100 1 512
11. William B. Koosa, Instructor in Anthropology .......................... 67 499
12. Pinkney C. Smith, Instructor in History .......................... 67 919
13. Charles P. Warren, Instructor in Anthropology .......................... 67 1 008
14. , Visiting Lecturer in History .......................... 67 1 400
15. , Visiting Lecturer in History .......................... 67 1 300
16. , Visiting Lecturer in Psychology .......................... 67 1 250
17. , Visiting Lecturer in History .......................... 67 1 200
18. , Visiting Lecturer in History .......................... 67 1 100
19. , Visiting Lecturer in History .......................... 67 1 000
20. , Visiting Lecturer in History .......................... 67 900
21. , Visiting Lecturer in History .......................... 67 800
22. , Visiting Lecturer in Political Science .......................... 50 900

Total, Chicago Undergraduate Division .......................... $177 293

On motion of Mr. Williamson, these appointments and the summer session budget for 1964 were approved, and authority was given as requested; this action was taken by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner.

At this point, Mr. Page asked to be excused from the meeting to go to another meeting in which he was also officially involved.

DEPOSIT REQUIREMENT FOR STUDENTS

(4) The Board of Trustees has approved a Progressive Admissions Program for undergraduate students, which became effective in September, 1961. Such a plan was necessary because available facilities and staff were inadequate to meet increases in enrollment in all undergraduate programs.

To administer the plan effectively, the Board also approved a requirement of a non-refundable deposit of $30 on tuition and fees from new undergraduate domestic students, to be made before a permit to enter is issued, as a means of obtaining a serious commitment from students that they intend to enroll. Approximately 91 per cent of those who have made this deposit during the past three years have registered. Prior to the inauguration of the deposit plan approximately 68 per cent of those who received permits registered.

It is now obvious that available facilities and staff will be inadequate to meet anticipated increases in enrollment in all undergraduate and graduate programs. Therefore, to insure the maximum use of facilities by the University, and to insure continuing students of appropriate class schedules, the Committee on Fees presents the following recommendations:

1. The requirement of a non-refundable deposit of $30 on tuition and fees of all students who are registered during a given semester and who wish to register for the following semester except those who have received or who have been assured of exemption from tuition and fees as a result of an undergraduate scholarship or a graduate award of a fellowship, assistantship, or tuition and fee waiver. Doctoral candidates who have passed the preliminary examination are also exempt from the payment of this deposit. The procedure to be followed, using the first semester of a given year as an example, will be:
a. Students who are registered during the second semester and who wish to register for the first semester of the next year will confer during the second semester with an adviser and request tentative class assignments.
b. Class assignments will be finalized by the Office of Admissions and Records and class schedules will be mailed to students during the summer. At that time the student will be asked to make the deposit on tuition and fees.
c. Upon receipt of the deposit the student will be notified that the University assures him of the schedule mailed to him and will definitely hold a place for him.

2. The requirement of a non-refundable deposit of $30 on tuition and fees of all students who are registered at the Chicago Undergraduate Division during a given semester and who wish to register on the Urbana campus for the following semester. The same procedures would apply as indicated under 1 above.

3. The requirement of a non-refundable deposit of $30 on tuition and fees of all new College of Law students.

4. The requirement of a non-refundable deposit of $30 on tuition and fees of all readmitted students.

5. The requirement of a non-refundable deposit of $30 on tuition and fees of all new domestic graduate students. Graduate students assured of the award of a fellowship, assistantship, or tuition and fee waiver will be permitted to confirm their intention to enroll without payment of the advance deposit.

It is further recommended that the Office of Admissions and Records be authorized, in cooperation with the Business Office, to establish for each campus the semesters or sessions for which the deposit on tuition and fees is required beginning with the first semester of 1964-65; to establish the dates for deadlines on the acceptance of the deposit on tuition and fees; and to implement all other aspects of this deposit plan.

I concur.

On motion of Mr. Hughes, these recommendations were approved.

**APPROPRIATIONS FOR NONRECURRING EXPENDITURES**

(5) The Executive Vice-president and Provost and the Vice-President and Comptroller recommend the following appropriations from the University General Reserve:

_Urbana-Champaign_

1. College of Fine and Applied Arts—School of Music, replacement of pianos .............................................. $24,300

2. College of Physical Education, replacement of netting in the Armory for the protection of persons during golf and baseball practice .............................................. 4,500

_Total ................................................................. $28,800

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner, Mr. Page.

**PROCUREMENT OF COMPUTER SYSTEM FOR COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION**

(6) The Dean of the College of Commerce and Business Administration, the Executive Vice-President and Provost, and the Vice-President and Comptroller recommend the acquisition of a computing system for the College.

The College has had a very small installation of punch card data processing equipment for several years. However, in order to have appropriate equipment for both teaching and research purposes, especially at the graduate level, it is necessary to update this equipment and provide a computer system which will be a representative and adequate facility on which instructional, research data processing, and simulation procedures can be performed.

In the study of equipment to be used, full cognizance has been given to the basic need, educational goals to be obtained, existing equipment on the Urbana
UNIVERSITY OF ILLINOIS

1009

1964

The IBM 1620 system has been selected because of its capacity to satisfy the basic computer needs of the College and it is completely compatible with existing electronic data processing equipment in the Statistical Service Unit and the high speed-large capacity IBM 7094-1401 computer system in the Digital Computer Laboratory.

It is recommended that an IBM model 1620 computer system with ancillary equipment be acquired from the IBM Corporation as follows: purchase of Model 1620 Computer System complete with one central processing unit, one card read punch, one core storage unit, one tape control unit, and three magnetic tape drive units, at a price of $104,638; contract for maintenance service costs for the computer at $4,032 a year; and rental of ancillary equipment including one each accounting machine, card sorter, verifier, and calculating punch, and three key punch units at a cost of $3,986.40 a year.

The prices quoted by the International Business Machines Corporation include a 60 per cent educational discount.

I concur and recommend an appropriation of $104,638 from the University General Reserve for the purchase of the equipment. The annual rental and maintenance costs will be provided for in the College budgets for 1964-65 and subsequent years.

On motion of Mrs. Watkins, the purchase of this equipment was authorized, and the requested assignment of funds was made by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner, Mr. Page.

CONTRACT FOR INSTALLATION OF SPRINKLER SYSTEMS IN SEVEN BUILDINGS

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $147,789 to Roy R. Anderson, William R. Chance, and Orville R. Zobrist, a partnership doing business as Ace Sprinkler Company, East Peoria, the lowest bidder, for installation of sprinkler systems in seven buildings: Davenport Hall, west unit, exclusive of southwest wing; Civil Engineering Hall; Mumford Hall, basement; Lincoln Hall, basement and stage; English Building, east unit; Law Building, part of basement; and Natural History Building, north unit.

Funds are available in the 1963-65 state capital appropriations to the University for Protection of Life and Property and in the Universities Building Fund, and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner, Mr. Page.

CONTRACT FOR STEAM SERVICE TO DEPARTMENT OF CHILDREN AND FAMILY SERVICES IN THE MEDICAL CENTER DISTRICT

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Department of Children and Family Services for steam service from the Medical Center Steam Company plant to a small office building which is being constructed in the Medical Center District west of Damen Avenue between Taylor and Grenshaw Streets, said contract to be on the same basis as University contracts with other consumers of steam in the Medical Center District supplied by the Company.

The requirements for this building will not exceed 2,500 pounds per hour maximum demand, which is within the capacity of the present plant and distribution system.

I concur.

On motion of Mr. Pogue, this contract was authorized by the fol-
Following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Kerner, Mr. Page.

**CONTRACT FOR STEAM SERVICE TO DEPARTMENT OF MENTAL HEALTH CHILD DEVELOPMENT BUILDING**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Department of Mental Health for steam service from the Medical Center Steam Company plant to a Child Development Building which is being constructed in the Medical Center District south of Taylor Street between Damen and Hoyne Avenues, said contract to be on the same basis as University contracts with other consumers of steam supplied by the Company.

The requirements of this Child Development Building will not exceed 10,000 pounds per hour maximum demand, which is within the capacity of the present plant and distribution system.

I concur.

On motion of Mrs. Watkins, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent Mr. Dilliard, Mr. Kerner, Mr. Page.

**EMPLOYMENT OF ARCHITECTS FOR THE FLORIDA AVENUE RESIDENCE HALL**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Richardson, Severns, Scheeler, and Associates, Champaign, and Fugard, Burt, Wilkinson, and Orth, Chicago, for architectural services for the proposed Florida Avenue Residence Hall at a fee of 5 3/4 per cent of the construction contracts; and if there is a duplication of buildings, a fee of 4 per cent for the first building to be duplicated and a lower, negotiated fee if any other buildings are duplicated.

Costs will be paid from the proceeds of a revenue bond issue when the bonds are sold and will be financed temporarily from the Stores and Services Trust Account.

I concur.

On motion of Mr. Swain, this recommendation was approved.

**EMPLOYMENT OF COST CONSULTANTS ON CONGRESS CIRCLE LECTURE CENTER**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of McKee-Berger, Mansueto, Inc., 300 West Washington, Chicago, for development of an estimate of the cost of the general work on the construction of the Lecture Center at Congress Circle, at a rate of $12 per hour, with a maximum cost of $4,500.

Funds are available in the construction budget for Congress Circle.

I concur.

On motion of Mr. Swain, this recommendation was approved.

**PUBLICITY SERVICES FOR THE ASSEMBLY HALL**

(12) The Director of Auxiliary Services and the Vice-President and Comptroller recommend authorization of a contract for the services of Mr. Herbert J. Dotten, Park Forest, Illinois, for preparation of promotional material, and for professional counsel, with respect to promotional media for programs in the Assembly Hall from January 1 to April 30, 1964, and from September 1, 1964, to May 30, 1965, at a rate of $1,250 per month.

Mr. Dotten handles publicity and promotion for several state fairs throughout the midwest, which requires his time from May to September. Consequently, he is not interested in continuous work for the University, but the contract period indicated coincides with the schedule of public events in the Assembly Hall.
The cost of these services will be charged to the operating budget of the Assembly Hall.
I concur.

On motion of Mr. Williamson, this recommendation was approved.

ADDITION TO CONTRACT FOR CONSTRUCTION OF ASSEMBLY HALL
(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $4,291.16 in the contract with Felmley-Dickerson Company, Urbana, for construction of the Assembly Hall. The additional cost is for extended operation of well points during excavation of earth in the center portion of the Assembly Hall.
Funds are available in the project budget.
I concur.

On motion of Mr. Hughes, this change in contract was authorized.

MIDWEST UNIVERSITIES CONSORTIUM INCORPORATED
(14) The Ford Foundation has made a grant of $3,500,000 to Indiana University, Michigan State University, the University of Illinois, and the University of Wisconsin for the organization and operation of a "Midwest Universities Consortium for International Activities, Incorporated." The four universities will organize and incorporate the new Consortium to receive and administer the Ford Foundation grant.

The Consortium will enable the four universities to enter as a group into contracts for overseas operations, thus increasing the abilities of the university members to render more effective educational and technical services abroad; to augment the supply of personnel for international services for overseas work and utilize their knowledge and experience for campus teaching and research programs, thus increasing knowledge about significant problems in less developed areas; to offer an internship program for graduate students to assist in the work of the universities' overseas projects; to provide research grants for faculty and graduate students at overseas project sites; and to enrich regular campus teaching and research programs through seminars and printed materials based on the knowledge accumulated in the projects abroad.

The four universities will be represented on a Council of Institutional Members which will elect a Board of Directors, which, in turn, will elect an Executive Director. The Executive Director will be charged with the administration of the affairs of the Consortium and will be responsible to the Board of Directors.

Under the Consortium, each university will conduct its own international activities, but each will be assisted by the Consortium. The Ford Foundation grant will make possible programs which heretofore it has not been possible for the universities to carry on because of insufficiency of funds. The creation of the Consortium will enable the four universities to undertake tasks beyond the resources of any one of them. Improvement in overseas operations will result from the pooling of manpower resources, and from the full exchange of information by the four universities. The member universities will underwrite the office expenses of the Consortium, including salaries of the Executive Director and his staff, by paying an annual membership fee of $20,000.

I recommend that the Board of Trustees formally approve participation of the University of Illinois in this program, and that officers of the University be authorized to take such steps as may be necessary to provide for its representation in the Consortium and for its incorporation.

On motion of Mr. Swain, this recommendation was approved, and authority was given as recommended.

GRANT FOR EXPANSION OF NON-WESTERN PROGRAMS
(15) The Ford Foundation has made a grant of $800,000 for a period of five years to the University of Illinois for expansion of its non-Western programs. The grant will help the University establish an International Comparative Studies Center and assist in the development of an Asian Study Center and in strengthening the Latin-American Studies Center. The fund will also help in the recruitment of additional faculty members and will provide travel expenses for overseas research.
Details of administrative organization and of curricula or of programs developed under the grant will be subject to the standard approvals as required. I recommend acceptance of this grant.

On motion of Mr. Johnston, this grant was accepted.

**BEQUEST OF JAMES M. LOVELLETTE**

(16) The University has received a bequest of $5,000 from the estate of the late James M. Lovellette of Chicago. I recommend that this bequest be accepted and that it be used for the benefit of students at the Medical Center.

The First National Bank of Chicago, executor of the estate, has requested that the following resolution be adopted:

**Resolution**

WHEREAS, James M. Lovellette, a resident of Chicago, Illinois, departed this life on November 20, 1962, leaving a last will and testament which has been duly admitted to probate in Cook County, Illinois, and which contains provisions for a bequest as follows, said bequest having been confirmed in a Circuit Court decree entered 12/16/63 in the Circuit Court of Cook County, Illinois;

*Article Sixth (28)*

The sum of Five Thousand Dollars ($5,000.00) to the University of Illinois, as a Memorial Fund in memory of the late Dr. Count Lovellette, who died in the service of our country in 1918;

Now, Therefore, be it, and it is hereby, resolved by this Board of Trustees of the Board of Trustees of the University of Illinois that the said bequest be and the same is hereby accepted by the said public corporation for the uses and purposes therein set forth and

Be it further resolved that C. C. DeLong as Bursar of said public corporation be and he is hereby authorized to accept payment on behalf of said public corporation of said bequest, and to execute and deliver to the First National Bank of Chicago as Executor of the last will and testament of the said James M. Lovellette, deceased, the receipt of the said public corporation in satisfaction thereof.

On motion of Mrs. Watkins, the foregoing resolution was adopted.

**PURCHASES**

**Purchases Authorized**

(17) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and University revolving funds authorized by law.

**Purchases from Appropriated Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print and bind 30,000 copies Undergraduate Study, 1963-64, trim size 6 in. by 9 in., approximately 368 pages per copy</td>
<td>University Press</td>
<td>George Banta Co., Chicago</td>
<td>$11 089 40 f.o.b. delivered</td>
</tr>
</tbody>
</table>

**Purchases from Institutional Funds**

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<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Two linear amplifier power supply groups, 1000 watts CW, 208V, 50/60 cycle operation, frequency output 2 to 32 mc, input drive for full output, 0.1 watt output impedance 50 to 600 ohms</td>
<td>Coordinated Science Laboratory</td>
<td>The Technical Material Corp., Mamaroneck, N.Y.</td>
<td>$7 554 30 f.o.b. delivered</td>
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</tbody>
</table>

On motion of Mr. Johnston, these purchases were approved.
Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of photographic equipment consisting of enlargers, cameras, paper cutter, exposure meters, developing equipment, etc.</td>
<td>Architecture and Art, Chicago Undergraduate Division</td>
<td>Malelo Camera, Chicago</td>
<td>$2,500.26</td>
</tr>
<tr>
<td>Construct metal building, 18 ft. by 32 ft., one story, surface mounted, with single slope roof, at University Dairy Farm between existing milk structure and silo</td>
<td>Dairy Science</td>
<td>Harshbarger Building &amp; Supply Co., Urbana</td>
<td>1,857.75</td>
</tr>
<tr>
<td>Construct one-story, steel prefabricated building, at University Dairy Farm, Urbana, with dimensions 24 ft. wide, 60 ft. long, 12 ft. high to eaves, to be used to shelter dairy cattle</td>
<td>Dairy Science</td>
<td>Harshbarger Building &amp; Supply Co., Urbana</td>
<td>2,590.65 delivered and erected</td>
</tr>
<tr>
<td>Three oscilloscopes, dual trace, DC to 500 Kc, with null readout plug-in unit, 1 per cent accuracy</td>
<td>Electrical Engineering</td>
<td>Fairchild Du Mont Laboratorics, Chicago</td>
<td>3,135.00 f.o.b. Cedar Grove, N.J.</td>
</tr>
<tr>
<td>Three oscilloscopes, with internal graticule, dual trace, sweep range of 0.05 microseconds to 2 seconds/cm, and delayed sweep of 20 nanoseconds to 5 seconds/cm</td>
<td>Electrical Engineering</td>
<td>Fairchild Du Mont Laboratorics, Chicago</td>
<td>4,962.95 f.o.b. Urbana</td>
</tr>
<tr>
<td>One 16 mm. motion picture camera and accessories</td>
<td>Illustration Studios, Medical Center</td>
<td>Behrend's Inc., Chicago</td>
<td>11,124.94 delivered</td>
</tr>
<tr>
<td>Print and bind 20,000 copies Time Table for summer session of 1964, trim size 5 1/4 in. by 8 1/2 in., approximately 136 pages per copy</td>
<td>Summer Session</td>
<td>George Banta Co., Chicago</td>
<td>2,711.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 10,000 copies Undergraduate Courses, 1963-64, trim size 6 in. by 9 in., approximately 236 pages per copy</td>
<td>University Press</td>
<td>Braun &amp; Brumfield, Inc., Ann Arbor, Mich.</td>
<td>2,970.00 f.o.b. delivered</td>
</tr>
</tbody>
</table>

Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic testing equipment consisting of one distortion analyzer, one digital voltmeter, one electronic frequency function generator, one VHF signal generator, and one electronic counter</td>
<td>Aeromedical Laboratory, Medical Center</td>
<td>Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago</td>
<td>$4,849.50 f.o.b. Loveland, Colo., and Palo Alto, Calif.</td>
</tr>
<tr>
<td>Data processing equipment consisting of one processing unit, one card-read punch, one core storage, one magnetic tape control unit, and one magnetic tape unit</td>
<td>Aeromedical Laboratory, Medical Center</td>
<td>International Business Machines Corp., River Forest</td>
<td>89,968.00 f.o.b. factory</td>
</tr>
<tr>
<td>340 cases of paper containers and paper specialties for use during one-year period</td>
<td>General Stores, Medical Center and Chicago Undergraduate Division</td>
<td>Levin Bros. Paper Co., Chicago</td>
<td>4,400.85 delivered</td>
</tr>
<tr>
<td>One ergometer and one mounting table</td>
<td>Medicine, Medical Center</td>
<td>Medtron Associates, Inc., Chicago</td>
<td>2,640.00 f.o.b. New York, N.Y.</td>
</tr>
<tr>
<td>40,000 paper garbage bags, double wall construction, dimensions 14 1/2 in. by 13 3/4 in. by 44 3/4 in.</td>
<td>Physical Plant, Chicago</td>
<td>Chukerman Paper Co., Chicago</td>
<td>4,157.60 delivered</td>
</tr>
<tr>
<td>Envelopes, white wove commercial, plain and window, as follows: 1,000,000 No. 10, size 4 3/4 in. by 9 3/4 in.</td>
<td>Various departments, Urbana and Chicago</td>
<td>Columbia Envelope Co., Melrose Park</td>
<td>5,799.00 f.o.b. delivered</td>
</tr>
<tr>
<td>500,000 No. 6 1/2, size 3 3/4 in. by 6 1/2 in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>250,000 No. 9, size 3 3/4 in. by 8 3/4 in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
<td>----------------------------</td>
<td>-----------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>342,000 file folders, letter and legal size, tag manila, medium weight, for both the Urbana and Chicago branches; this is an estimated ten to twelve months' supply</td>
<td>Office Supply, Urbana and Chicago</td>
<td>Standard Stationery Supply, Chicago</td>
<td>$ 3 800 96 delivered</td>
</tr>
<tr>
<td>Group 1 — 25,000 reams paper, No. 4 sulphite spirit fluid duplicator, white</td>
<td>Office Supply, Urbana and Chicago</td>
<td>Dwight Brothers Paper Co., Chicago</td>
<td>61 157 43</td>
</tr>
<tr>
<td>Group 2 — 8,623 reams paper, 25 per cent and 50 per cent rag bond, water-marked, white and colored</td>
<td></td>
<td>Decatur Paper House, Inc., Decatur</td>
<td></td>
</tr>
<tr>
<td>Group 3 — 95,928 reams paper, No. 4 sulphite mimeograph bond, white and colored</td>
<td></td>
<td>Hollis &amp; Duncan Co., Chicago</td>
<td>16 787 50</td>
</tr>
<tr>
<td>Group 4 — 45,810 reams paper, sulphite offset, white and colored</td>
<td></td>
<td>Group 6</td>
<td>2 721 18</td>
</tr>
<tr>
<td>Group 5 — 1,645 reams paper, machine coated, letterpress enamel book paper, white</td>
<td></td>
<td>Group 8</td>
<td>9 934 40</td>
</tr>
<tr>
<td>Group 6 — 242 reams paper, sulphite cover paper, antique finish, white and colored</td>
<td></td>
<td>Group 9</td>
<td>4 267 98</td>
</tr>
<tr>
<td>Group 7 — 1,500 reams paper, English finish book paper, white</td>
<td></td>
<td>West Virginia Pulp &amp; Paper, Chicago Group 5</td>
<td>19 956 70</td>
</tr>
<tr>
<td>Group 8 — 10,300 reams paper, onion-skin and manifold paper, white and canary</td>
<td></td>
<td>Midland Paper Co., Chicago Group 2</td>
<td>24 062 37</td>
</tr>
<tr>
<td>Group 9 — 124,600 sheets paper, No. 1 sulphite index white and colored</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two environmental growth chambers for use in the research on the growth of corn plants under varying conditions; each chamber is to be 66 in. long by 30 in. wide by 52 in. high, and will provide controlled conditions for temperature, light, and humidity</td>
<td>Agronomy</td>
<td>Percival Refrigeration &amp; Manufacturing Co., Inc., Boone, Iowa</td>
<td>6 675 00</td>
</tr>
<tr>
<td>One time-temperature program control system consisting of control center, strip chart potentiometer recorder, rectifier power unit, current limiter, current transformer, soak timer, and interrupter slope timer</td>
<td>Ceramic Engineering</td>
<td>Barber-Colman Co., Industrial Instruments Division, Chicago</td>
<td>2 773 60</td>
</tr>
<tr>
<td>One dichograph, a recording instrument for measuring the circular motion of light in the visible and ultraviolet region of molecules</td>
<td>Chemistry and Chemical Engineering</td>
<td>Baird-Atomic, Inc., Cambridge, Mass.</td>
<td>27 500 00 delivered</td>
</tr>
<tr>
<td>One spectrophotometer, recording with 7500Å grating having 0-1-1-2 absorbance for use in research on elution in chemical bonding in complex compounds</td>
<td>Chemistry and Chemical Engineering</td>
<td>Applied Physics Corp., Chicago</td>
<td>20 740 00</td>
</tr>
<tr>
<td>One X-ray generator and control, 5KV 50 MA</td>
<td>Chemistry and Chemical Engineering</td>
<td>Picker X-Ray Corp., Chicago</td>
<td>3 915 00</td>
</tr>
<tr>
<td>One tube, X-ray diffraction, four-window</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To be used with existing X-ray equipment</td>
<td>Chemistry and Chemical Engineering</td>
<td>Charles Supper Co., Inc., Watertown, Mass.</td>
<td>3 520 00</td>
</tr>
<tr>
<td>One precision camera</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One Weissenberg camera, non-integrating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Both to be complete with goniometer head, layer line screen, beam trap, collimator, base mount plate and oil container; they are to be mounted on top of existing X-ray equipment and used to take X-ray pictures at different angles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One magnetic core matrix stack (transfer memory)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One oscilloscope, DC to 450 KC, sweep range 1 microsecond to ½ second/cm</td>
<td>Digital Computer Laboratory</td>
<td>Electronic Memories, Inc., c/o Withers, Chicago</td>
<td>15 400 00 f.o.b.</td>
</tr>
<tr>
<td>One oscilloscope, DC-30 MC with 100 times multiplier</td>
<td>Electrical Engineering Research Laboratory</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>2 735 00</td>
</tr>
<tr>
<td>One dual trace plug-in amplifier</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One wide-band plug-in amplifier</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One fast-rise amplifier</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One scope cart</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Four probes</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1964

UNIVERSITY OF ILLINOIS

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>marking amplifier and power supply, one each 1/4 second and 3/4 second</td>
<td></td>
<td>Harvey</td>
<td></td>
</tr>
<tr>
<td>drive assembly, paper feeds of 3.6 in. and 12 in. minute, dynamic balancing, and twelve rolls chart paper</td>
<td></td>
<td>Minneapolis-Honeywell Regulator Co., Inc.,</td>
<td>$4,000.00 f.o.b. Denver, Colo.</td>
</tr>
<tr>
<td>One potentiometer, six-dial, ranges 0 to 111,111.0 and 0 to 111,111.10 microvolts in steps of .01 microvolts</td>
<td>Physics</td>
<td>Packard Instrument Co., Inc.,</td>
<td>$7,541.00 f.o.b. La Grange delivered</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One spectrometer, reconditioned, 100 sample capacity, dual channel, automatic liquid scintillation system, complete with a new system warranty</td>
<td>Plant Pathology</td>
<td>Vocational and Technical Education Equipment Co., Inc.,</td>
<td>$3,814.20 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One offset duplicator to print on stock from 3 in. by 5 in. to 11 in. by 17 in. with maximum printing area of 10 3/4 in. by 16 3/4 in., equipped with work organizer, flexible light fixture, and automatic blanket cleaning attachment</td>
<td></td>
<td>Maginn Office</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Print and bind 1,500 copies Hydrogeology, edited by Albert V. Carozzi, approximately 160 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Pantagraph Printing &amp; Stationery Co.,</td>
<td>$2,455.55 f.o.b. delivered</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bloomington</td>
<td></td>
</tr>
<tr>
<td>Print and bind 3,000 copies Pride and Power, by Vernon Van Dyke, approximately 288 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Pantagraph Printing &amp; Stationery Co.,</td>
<td>$4,800.67 f.o.b. delivered</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bloomington</td>
<td></td>
</tr>
<tr>
<td>Six panelboards, lighting</td>
<td>Physical Plant</td>
<td>Springfield Electric Supply Co.,</td>
<td>$3,237.78 f.o.b. delivered</td>
</tr>
<tr>
<td>Eighteen panelboards, power 278 circuit breakers and miscellaneous trim</td>
<td></td>
<td>Urbana</td>
<td></td>
</tr>
<tr>
<td>As stock for the Physical Plant Store-room for electrical jobs on the Urbana campus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Campus charter intracampus bus service for students, faculty, staff, and other authorized passengers, for the period February 1, 1964, through June 30, 1965 (Note: This purchase will be from both Institutional Funds, $90,998.00, and Appropriated Funds, $18,200.00, for a total of $109,198.00.)</td>
<td>Physical Plant</td>
<td>Champaign-Urbana City Lines, Inc.,</td>
<td>$90,998.00 estimated expenditure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chicago</td>
<td></td>
</tr>
<tr>
<td>Twelve automobiles, 1964 models, sedans, four door, V-8 engine, automatic transmission, less trade-in of 1962 models with six-cylinder engines</td>
<td>Physical Plant</td>
<td>Rhodes Chevrolet,</td>
<td>$10,399.04 f.o.b. Farmer City</td>
</tr>
<tr>
<td>One automobile, 1964 model, station wagon, nine passenger, V-8 engine, automatic transmission, less trade-in of 1962 model</td>
<td></td>
<td>Rossetter Motor Co.,</td>
<td></td>
</tr>
<tr>
<td>One automobile, 1964 model, police car, less trade-in of 1963 model police car</td>
<td></td>
<td>Peoria</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One station wagon</td>
<td>895.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Courtesy Motor Sales, Inc.</td>
<td>1,056.04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>One police car</td>
<td>(12,350.08)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were authorized.

COMPTROLLER'S REPORT OF CONTRACTS

(18) The Comptroller's report of contracts executed during the period December 1 to 31, 1963.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Air Force AF49(638)-192</td>
<td>Techniques for minimizing forgetting</td>
<td>$30,373.00</td>
<td>December 1, 1963</td>
</tr>
<tr>
<td>United States Defense Atomic Support Agency DA-49-146-XZ-218</td>
<td>Confidential</td>
<td>230,000.00</td>
<td>December 6, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-4-10-075</td>
<td>Materials and methods of teaching preparitional courses in educational psychology</td>
<td>6,918.00</td>
<td>December 1, 1963</td>
</tr>
<tr>
<td>United States Navy Nour(O-00022-64)</td>
<td>Toxic and lethal substances from burned normal human skin</td>
<td>5,000.00</td>
<td>October 22, 1963</td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
<td>Amount to be Paid to the University</td>
<td>Effective Date</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>-------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>United States Office of Civil Defense</td>
<td>Preparation of guide for design and modification of public garages to meet emergency requirements for public shelters</td>
<td>$39 060.00</td>
<td>June 7, 1963</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$311 951.00</td>
<td></td>
</tr>
</tbody>
</table>

### Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Business Machines Corp.</td>
<td>Two items: $504.80 to $20,438.40</td>
<td>$21 043.20</td>
<td>September and November, 1963</td>
</tr>
</tbody>
</table>

### Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Air Force</td>
<td>Provide flight instruction to twenty-one students</td>
<td>$3 300.33</td>
<td>December 9, 1963</td>
</tr>
<tr>
<td>AF01 (611)-1377</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Atomic Energy Commission</td>
<td>Research on electronic high-speed digital computers for month of November, 1963</td>
<td>50 000.00</td>
<td>November 1, 1963</td>
</tr>
<tr>
<td>AT (11-1)-415</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Atomic Energy Commission</td>
<td>Research on electronic high-speed digital computers for month of December, 1963</td>
<td>50 000.00</td>
<td>December 1, 1963</td>
</tr>
<tr>
<td>AT (11-1)-791</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Atomic Energy Commission</td>
<td>Effect of X-ray irradiation on enzymatic activity and nucleic acid metabolism in seeds and seedlings of Zea mays</td>
<td>20 000.00</td>
<td>November 1, 1963</td>
</tr>
<tr>
<td>AT (11-1)-1195</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Atomic Energy Commission</td>
<td>Research in elementary particle physics</td>
<td>100 000.00</td>
<td>November 15, 1963</td>
</tr>
<tr>
<td>AT (11-1)-1198</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Atomic Energy Commission</td>
<td>Use charge for portion of Materials Research Laboratory used in commission supported research</td>
<td>100 000.00</td>
<td>November 15, 1963</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$323 300.33</td>
<td></td>
</tr>
</tbody>
</table>

### Adjustments Made in 1963-64 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>George S. Grimmett &amp; Co. (Plastering)</td>
<td>Thirty-five items: $107.57 deducted to $765.84</td>
<td>$2 853.26</td>
<td>November and December, 1963</td>
</tr>
</tbody>
</table>

**Summary**

Amount to be paid to the University: $635 251.33
Amount to be paid by the University: 23 896.46

This report was received for record.

**INVESTMENT REPORT**

**Report of the Finance Committee**

(19) The Finance Committee reported the following changes in investments of endowment and other funds for the month of November, 1963:

**Chicago—Slebinger Memorial Library Fund**

Sale
6 shares Continental Oil Company common stock $337.38

**Merriam Special**

Purchase
460 shares Atlantic Refining Company common stock $24 950.72

**Pool**

Purchase
$10 000 U. S. Treasury bonds 4 per cent 8/15/72 $9 965.63
7/100 shares Commonwealth Edison common stock 3 20

**Report of the Comptroller**

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

**Current Funds**

Restricted Group (June 20, 1962)
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Amount</th>
<th>Interest Rate</th>
<th>Rate per cent</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/16/64</td>
<td>Purchase U.S. Treasury bills</td>
<td>$500 000</td>
<td></td>
<td></td>
<td>$496 684 17</td>
</tr>
<tr>
<td>6/1/64</td>
<td>First National Bank of Chicago Certificates</td>
<td>1 500 000</td>
<td></td>
<td></td>
<td>1 500 000 00</td>
</tr>
<tr>
<td>6/15/64</td>
<td>First National Bank of Chicago Certificates</td>
<td>500 000</td>
<td></td>
<td></td>
<td>500 000 00</td>
</tr>
<tr>
<td>6/29/64</td>
<td>CIT Financial Corporation notes</td>
<td>500 000</td>
<td></td>
<td></td>
<td>487 675 35</td>
</tr>
<tr>
<td>6/29/64</td>
<td>GMAC notes</td>
<td>500 000</td>
<td></td>
<td></td>
<td>487 675 34</td>
</tr>
<tr>
<td>6/29/64</td>
<td>General Electric Credit Corporation notes</td>
<td>500 000</td>
<td></td>
<td></td>
<td>487 675 35</td>
</tr>
<tr>
<td>7/15/64</td>
<td>Beneficial Finance Co. notes</td>
<td>300 000</td>
<td></td>
<td></td>
<td>292 605 21</td>
</tr>
<tr>
<td>6/1/64</td>
<td>Purchase First National Bank of Chicago Certificates</td>
<td>1 000 000</td>
<td></td>
<td></td>
<td>1 000 000 00</td>
</tr>
<tr>
<td>9/1/64</td>
<td>Continental Illinois National Bank Certificates</td>
<td>500 000</td>
<td></td>
<td></td>
<td>500 000 00</td>
</tr>
<tr>
<td>9/1/64</td>
<td>Harris Trust Certificates</td>
<td>1 000 000</td>
<td></td>
<td></td>
<td>1 000 000 00</td>
</tr>
<tr>
<td>11/12/64</td>
<td>Continental Illinois National Bank Certificates</td>
<td>400 000</td>
<td></td>
<td></td>
<td>400 000 00</td>
</tr>
<tr>
<td>9/1/64</td>
<td>Purchase Harris Trust Special Account</td>
<td>$900 000</td>
<td></td>
<td></td>
<td>$900 000 00</td>
</tr>
<tr>
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SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, resignations, and terminations; leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

AGASSI, MRS. JUDITH, Assistant Professor of Sociology and in the Division of General Studies, to render service during the second semester of the academic year, March 1-August 31, 1964, $7,500 a year, supersedes (12-13-63).

BUCHER, MARY R., Assistant Professor of Sociology (Psychiatry) (Medicine), eight months from January 1, 1964, $10,500 a year, supersedes (12-20-63).

CARLSEN, TOMIKO, Research Assistant in Oral Pathology (Dentistry), eight months from January 1, 1964, supersedes (12-20-63).

DUNNE, WILLIAM J., Acting Associate Dean of College of Business Administration (Chicago Undergraduate Division), ¾ time, $10,200 a year from December 1, 1963, through August 31, 1964; and Assistant Professor of Management, ¼ time, for service during each academic year, $2,800 a year, December 1, 1963-August 31, 1965, supersedes (11-20-63).

ECKERT, WILLFORD J., Acting Head of Firemanship Training (Division of University Extension), eight months from January 1, 1964, $8,750 a year, supersedes (12-9-63).

EILIAN, HEKMATOLLAH, Assistant in Radiology (Medicine), one year from September 1, 1963, without salary (12-16-63).

ERICKSON, JOHN R., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1963, without salary (12-9-63).

EVANS, LESTER J., Consultant in Education for the Health Professions (Office of Vice-President at the Medical Center), ½ time, one year from February 1, 1964, $6,500 (12-9-63).

FERRILL, ARTHUR L., Instructor in History, February 1-June 15, 1964, $2,600, supersedes (12-3-63).

FORT, MILTON L., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1963, without salary (12-9-63).

FOWLER, WYMAN B., JR., Research Associate in Metallurgical Engineering (C), November 27-December 31, 1964, $8,000 a year, supersedes (12-13-63).

GALLAGHER, JAMES J., Associate Director of the Institute for Research on Exceptional Children for the period from December 1, 1963, through August 31, 1964, $8,000 a year; this is in addition to his appointment as Professor of Special Education (College of Education) (11-20-63).

GEANAKOPOLOS, DENO J., Professor of History, two months from June 16, 1964, $3,111.10 (12-9-63).

GEORGE, T. V., Research Associate in Electrical Engineering (C), eight months from January 1, 1964, $6,066.64, supersedes (12-9-63).

HAGGARD, ERNEST A., Professor of Psychology (Psychiatry) (Medicine), eight months from January 1, 1964, $18,500 a year, supersedes (12-20-63).

HAMILTON, ROBERT C., Clinical Instructor in Orthopaedic Surgery (Medicine), 3/10 time, one year from July 1, 1963, $3,000 (12-9-63).

KANAZAWA, KAY K., Research Associate in Physics (C), nine months from December 1, 1963, $5,850, supersedes (12-9-63).

KIM, SERENA, Project Assistant in the State Natural History Survey and in the Graduate College, January 1-April 15, 1964, $857.50 (12-17-63).

KNECHT, CHARLES D., Instructor in Veterinary Clinical Medicine (College of Veterinary Medicine), January 16-August 31, 1964, $9,500 a year (12-13-63).

MATSUO, YORIMO, Research Assistant in Physiology and Biophysics, one month from January 1, 1964, $429.17 (12-19-63).
Miyashiro, Jane Y., Research Associate in Education—Mathematics Project (University High School), ½ time, seven months from February 1, 1964, $2,216.69, supersedes (12-17-63).

Oram, Robert W., Circulation Librarian and Assistant Director for Public Service Departments, and Associate Professor of Library Administration, on indefinite tenure from January 1, 1964, $12,500 a year (12-17-63).

Peltason, Jack W., Acting Provost of the University, two months from January 1, 1964, additional salary of $1,000; this is in addition to his appointment as Professor of Political Science and Dean of the College of Liberal Arts and Sciences (12-17-63).

Penchina, Claude M., Research Associate in Electrical Engineering (C), nine months from December 1, 1963, $8,000 a year (12-9-63).

Quiambao, Teresita B., Serials Assistant in the Library, seven months from February 1, 1964, $3,208.31 (12-9-63).

Raether, Manfred, Research Associate Professor of Physics (College of Engineering), ½ time, indefinite tenure from September 1, 1963, to render service during each academic year, $5,500 a year; and Research Associate Professor in the Coordinated Science Laboratory (Graduate College), ½ time, academic year beginning September 1, 1963, $5,500 a year, supersedes (11-29-63).

Rodgers, Donald E., Assistant in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), seven months from October 1, 1963, $3,266.69 (12-19-63).


Steinriesser, Fortunat, Research Associate in the Coordinated Science Laboratory (C), five months from April 1, 1964, $666.67 a month (12-13-63).

Thompson, William N., Professor of Farm Management and Policy (Agricultural Economics) (S), ½ time, indefinite tenure from October 1, 1963, and Assistant to the Dean of the College of Agriculture, ½ time, four months from October 1, 1963, $15,200 a year; and Professor of Farm Management and Policy (Agricultural Economics), College of Agriculture on ½ time and Agricultural Experiment Station on ½ time, indefinite tenure from February 1, 1964, $15,200 a year, supersedes (12-4-63).

Wahl, Philippe, Research Associate in Chemistry, eight months from January 1, 1964, $7,000 a year (12-9-63).

Wilson, Eleanor, Project Assistant in the State Natural History Survey and in the Graduate College, three months from January 1, 1964, $900 (12-17-63).

Winchell, H. H. Forsyth, Instructor in Radiology (Medicine), one year from September 1, 1963, without salary (12-19-63).

Wolnak, Bernard, Research Associate in Orthodontics (Dentistry), ½ time, ten months from November 1, 1963, $2,000 (12-9-63).

FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

Baker, Robert, United States Public Health Service Fellow (Trainee) in Pharmacology, six months from January 1, 1964, $1,100 (12-17-63).


Conway, Anna M., United States Public Health Service Fellow (Trainee) in Anatomy, six months from January 1, 1964, $500 (12-6-63).

Delacoe, William E., Fellow in English, February 1-June 15, 1964, $375 (12-3-63).

Downey, Harry F., United States Public Health Service Fellow (Trainee) in Biophysics, February 1-June 15, 1964, $999.75 (11-20-63).

Eisenman, Theodore S., Medical Student Alternative Quarter Fellow in Medicine, three months from January 1, 1964, $200 (12-10-63).

Jackson, Richard L., United States Public Health Service Fellow (Trainee) in Microbiology, eight months from November 1, 1963, $1,866.64 (12-2-63).

LEVIN, NATHAN W., United States Public Health Service Fellow (Special) in Medicine, eight months from January 26, 1964, without salary (11-5-63).
MAISCH, WELDON F., United States Public Health Service Fellow (Trainee) in Microbiology, three months from November 1, 1963, $750 (12-2-63).
McCLAIN, LARRY G., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, $600 (10-10-63).
ROMSDAHL, MARVIN M., United States Public Health Service Senior Clinical Trainee in Surgery, one year from July 1, 1963, without salary (11-6-63).
SELINE, HELEN C., United States Public Health Service Fellow (Trainee) in Psychiatry, eight months from November 1, 1963, $2,000 (12-6-63).
TAYLOR, MARSHALL B., Medical Student Alternative Quarter Fellow in Medicine, four months from January 1, 1964, $200 (12-4-63).
WATSON, JAMES R., United States Public Health Service Fellow (Predoctoral) in Microbiology, one year from January 1, 1964, $2,000 (12-10-63).
ZEILENCA, SUZANNE G., United States Public Health Service Fellow (Trainee) in Anatomy, six months from January 1, 1964, $1,020 (12-2-63).

RESIGNATIONS, CANCELLATIONS, AND TERMINATIONS

ARCILLA, RENE A., Clinical Assistant Professor of Pediatrics (Medicine) — resignation effective November 1, 1963.
BAKER, HAROLD A., Visiting Lecturer in Law — termination effective December 1, 1963.
CONAWAY, C. CLIFFORD, United States Public Health Service Fellow (Trainee) in Entomology — resignation effective December 1, 1963.
DEEB, BARBARA P., Research Associate in the Center for Zoonoses Research — resignation effective December 26, 1963.
DOROSZ, LEON C., United States Public Health Service Fellow (Trainee) in Psychology — resignation effective November 1, 1963.
GARDNER, MRS. JEANNE C., Instructor in Mathematics (Pharmacy Chemistry) (Pharmacy) — resignation effective January 1, 1964.
GRATOVICH, EUGENE, Fellow in Music — cancellation effective February 1, 1964.
HOLTZAPPLE, JAY, Fellow in Music — cancellation effective February 1, 1964.
HOUGH, JACK L., Professor of Geology — resignation effective March 1, 1964.
HUBBARD, DOROTHY L., Fellow in Music — cancellation effective February 1, 1964.
KOTT, NANCY, Project Assistant in the State Natural History Survey and in the Graduate College — resignation effective December 1, 1963.
KOUSKOLEKAS, COSTAS, Research Associate in Agricultural Entomology, in the Agricultural Experiment Station and in the State Natural History Survey — resignation effective January 1, 1964.
MAHONY, THOMAS D., Instructor in Pathology (Medicine) — resignation effective January 1, 1964.
McGUIRE, DOUGLAS, United States Public Health Service Fellow (Trainee) in Education (School Psychology) — resignation effective February 1, 1964.
MINHAS, KAREEM B., Associate Professor of Pediatrics (Medicine) — resignation effective February 1, 1964.
STEINBECK, PAUL W., Associate Director in Civil Defense and Assistant to the Director of the Physical Plant — cancellation effective September 1, 1963 (transferred to nonacademic appointment).

LEAVES OF ABSENCE

FERRIS, DEAN H., Associate Professor of Veterinary Pathology and Hygiene (College of Veterinary Medicine) of Veterinary Research (Agricultural Experiment Station), and Senior Staff Center for Zoonoses Research — leave of absence without pay, for one year beginning February 1, 1964, so that he may undertake an assignment for the Food and Agriculture Organization of the United Nations in a study of arthropod borne virus diseases.

FUTURE BOARD MEETINGS

President Howard W. Clement announced the schedule of the next
three meetings of the Board: February 19 at Urbana; March 18, the annual meeting, at Urbana; April 15, place to be determined. On motion of Mr. Johnston, the Board adjourned.

Following adjournment and luncheon, Dean of Business Administration Raymond W. Coleman, Dean of Engineering Robert Banks, and Dean of Architecture and Art Leonard J. Currie, all of the Chicago Undergraduate Division, were guests of the Board and were introduced by Vice-President Norman A. Parker. Each of them addressed the Board on the program of his college.

A. J. JANATA

Howard W. Clement

Secretary

President
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The February meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, February 19, 1964, beginning at 10:00 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, and Mr. Kenney E. Williamson. Mr. Theodore A. Jones and Governor Otto Kerner were absent.

Also present were President David D. Henry, Acting Provost Jack W. Peltason, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Dr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Earl W. Porter, Assistant to the President (Reports and Special Projects), Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
MESSAGE TO MISS FRAN MYERS

Mr. Irving Dilliard called attention to the absence from the press table of Miss Fran Myers, University Editor of The News-Gazette, who is ill, and asked that the Secretary send her, on behalf of the Trustees, an expression of their sympathy with her in her illness and best wishes for her speedy recovery.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
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<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
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<td>JAMES WILLIAM CHECKSFIELD</td>
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<td>FREDERICK PATRICK CROWE</td>
<td>South Bend, Indiana</td>
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<td>EUGENE PHILLIP ELLENBERGER</td>
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<td>MARJORIE JUNE</td>
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<tr>
<td>HELEN HOADLEY RITZ</td>
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<td>Indiana</td>
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I concur.

On motion of Mr. Hughes, these certificates were awarded.

INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS ADVISORY COMMITTEE

(2) The Director of the Institute of Labor and Industrial Relations recommends the following appointments to the Institute's Advisory Committee for a term of three years, beginning January 1, 1964, to fill vacancies in all three categories:

Management

FRANK H. CASSELL, Assistant to the Vice-President of Administration, Inland Steel Company

Public

EDWIN C. BERRY, Executive Director, Chicago Urban League

Labor

V. Q. LA PAGE, Regional Director of Region 8 of the Allied Industrial Workers of America

I recommend approval.

On motion of Mr. Swain, these appointments were approved.

COLLEGE OF PHYSICAL EDUCATION ADVISORY COMMITTEE

(3) The faculty of the College of Physical Education wishes to establish an Advisory Committee. The Dean recommends the following appointments to the Committee beginning February 1, 1964, for the rotating terms indicated:

MRS. E. C. EBERSBACHER, 219 North Washington Street, Shelbyville, Illinois. Immediate past Parent-Teacher Association officer (one year)

DR. FRED V. HEIN, Department of Health Education, American Medical Association, 535 North Dearborn Street, Chicago, Illinois (one year)
R. J. Hildreth, Associate Managing Director, Farm Foundation, 600 South Michigan Avenue, Chicago, Illinois (one year)

George Lindsley, Chief of State Hospital Bureau, State Department of Public Health, Springfield, Illinois (one year)

Colonel Theodore P. Bank, President, Athletic Institute, Room 805, Merchandise Mart, Chicago, Illinois (two years)

Louis Irons, Department of Public Instruction, The Office Building, Springfield, Illinois (two years)

Harold Judy, Sports Editor, Danville Commercial News, Danville, Illinois (two years)

Alfred Slicer, Director, State Division of Vocational Rehabilitation, 623 East Adams Street, Springfield, Illinois (two years)

Arthur Beuhler, Director of Health and Physical Education, Board of Education of Chicago, 228 North LaSalle Street, Chicago, Illinois (three years)

Mrs. John T. Even, 1439 Downer Place, Aurora, Illinois. Past President of Illinois Chapter of American Association of University Women (three years)

John Griffith, Publisher, Athletic Journal, 1719 Howard Street, Evanston, Illinois (three years)

James Lewis, Superintendent, Argo Public Schools, Argo, Illinois (three years)

I concur in the recommendations.

On motion of Mrs. Watkins, these appointments were approved.

APPOINTMENTS TO CENTER FOR ZOOONES RESEARCH

On recommendation of the Dean of the College of Veterinary Medicine and Director of the Center for Zoonoses Research, the following appointments to the staff of the Center have been approved and are reported for record.

Senior Memberships, indefinite tenure beginning February 1, 1964:

William R. Boggess, Professor of Forestry, College of Agriculture, University of Illinois

Glen C. Sanderson, Associate Wildlife Specialist and Acting Head of Section of Wildlife Research, Illinois State Natural History Survey

Associate Membership, for two years beginning February 1, 1964:


Consultant, for three years beginning February 1, 1964:

Telford H. Work, Chief, Virology Section, United States Public Health Service, Communicable Disease Center, Atlanta, Georgia

On motion of Mr. Williamson, these appointments were confirmed.

APPOINTMENTS TO THE FACULTY

The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. Thomas O. Browning, Visiting Professor in the School of Life Sciences, beginning February 1 and continuing through July 15, 1964, at a salary of $9,534.

2. Robert A. Eubanks, George A. Miller Visiting Professor of Civil Engineering, for the academic year 1964-65, at a salary of $16,000.

3. Hilary J. Harrington, Visiting Associate Professor of Geology, for the academic year 1964-65, at a salary of $11,500.

4. Ronald C. Hirschfeld, Visiting Assistant Professor of Civil Engineering and of Geology, on one-half time, for the second semester of 1963-64, at a salary of $2,000.

5. Bernard Lilienthal, Visiting Professor of Dentistry, for six months from January 1, 1964, at a salary of $6,690.

6. Mary F. Meuser, Assistant Professor in the Department of Medical Social Work, beginning January 6, 1964, at an annual salary of $9,700.

7. Frank W. Renwick, Jr., Director of Executive Development Center, College of Commerce and Business Administration, beginning February 1, 1964, at an annual salary of $16,000.
8. Adrian F. Richards, Associate Professor of Geology, on nine-tenths time, and Associate Professor of Civil Engineering, on one-tenth time, beginning September 1, 1964, at an annual salary of $11,500.

9. Bernard I. Spinrad, Visiting Professor of Nuclear Engineering, for the second semester of 1963-64, without salary.

10. Donald Tuomi, Clinical Assistant Professor of Psychiatry, College of Medicine, beginning January 1, 1964, without salary.

11. Jack T. Turner, Professor and Associate Dean of Business Administration, Chicago Undergraduate Division, beginning September 1, 1964, at an annual salary of $18,000.

On motion of Mr. Johnston, these appointments were confirmed.

HEADSHIP OF THE DEPARTMENT OF PHYSICS

(6) The Dean of the College of Engineering recommends the appointment of Dr. Gerald M. Almy of the Department of Physics as Professor of Physics on indefinite tenure and Head of the Department of Physics beginning September 1, 1964, to succeed Professor Frederick Seitz who has been appointed Dean of the Graduate College. The salary of this position will be determined when the budget for 1964-65 is recommended to the Board of Trustees for approval.

The nomination for this appointment was unanimously recommended by a special search committee and is concurred in by the Acting Provost and the Dean of the Graduate College. All members of the Department of Physics of professorial rank were also consulted both by the search committee and by the Dean prior to the initiation of the recommendation.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF MARKETING

(7) A search committee appointed in September, 1963, to recommend a Head of the Department of Marketing in the College of Commerce and Business Administration (Urbana) to fill the vacancy created by the resignation of the former Head, Professor H. W. Huey, who asked to be relieved of his administrative duties to devote full time to teaching and research, has assembled information about possible candidates.

After the Committee had been at work for some time and had brought prospective candidates to the University for interviews, members of the Department requested a meeting to consider changing the administrative organization from a headship to a chairmanship. In accordance with University statutory provisions, the Dean called a meeting of the members of the Department of professorial rank and they voted seven to four in favor of the chairmanship organization.

The Dean of the College of Commerce and Business Administration has transmitted the results of this vote to the President of the University with his recommendation: that no change be made and that the Department continue to be organized with a Head. The recommendation is supported unanimously by the Executive Committee of the College. The Dean's report supporting his recommendation is submitted herewith and a copy is filed with the Secretary of the Board for record.

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1 Ernest M. Lyman, Professor of Physics, Chairman; Daniel Alpert, Research Professor of Physics and Director of the Coordinated Science Laboratory; Harry G. Bricker, Professor of Chemical Engineering and of Physical Chemistry, College of Liberal Arts and Sciences and Engineering Experiment Station, and Member of the Center for Advanced Study; Donald Ginzberg, Associate Professor of Physics; Edward C. Jordan, Professor and Head of the Department of Electrical Engineering; Leo S. Lavatelli, Professor of Physics; and Robert D. Saro, Professor of Physics.

2 Professors J. F. Bell, Department of Economics, Chairman; Richard M. Hill, Department of Marketing; Robert Ferber, Bureau of Economic and Business Research; Lloyd DeBoer, Department of Marketing; and Robert Mautz, Department of Accountancy.

3 In the meantime, Professor Frank H. Beach of the Department of Marketing, who retired at the end of the academic year 1962-63, has continued in active service on a part-time basis, serving as Head of the Department of Marketing.

4 Professors H. K. Allen, Department of Economics; Robert Ferber, Bureau of Economic and Business Research; Vernon Zimmerman, Department of Accountancy; Donald Skadden, Department of Accountancy; Joseph Letterer, Graduate School of Business Administration; Walter McMahon, Department of Economics; Dean Paul M. Green, Chairman, ex officio.
The Acting Provost and I concur in the Dean's recommendation that the headship form of organization be retained.

On motion of Mr. Swain, the Board approved the recommendation that the headship form of organization of the Department of Marketing be retained.

**GRADUATE FELLOWSHIPS FOR 1964-65**

(8) The Graduate College has requested the commitment of funds for University Fellowships for 1964-65 so that fellowship offers can be made by April 1, 1964, in accordance with the standard practice. Specifically, an assignment of $335,000 of recurring funds is requested of which $20,000 would be for the Medical Center and $315,000 for Urbana-Champaign, which will provide for a total of 175 fellowships at annual stipends of $1,800.

An increase in the stipend from $1,500 to $1,800 has been approved by the Executive Vice-President and Provost and confirmation of this action is requested.

On motion of Mr. Johnston, these actions were confirmed.

**CURRICULUM IN ARCHITECTURE AT CHICAGO UNDERGRADUATE DIVISION**

(9) The Chicago Undergraduate Division Senate has approved a recommendation from the College of Architecture and Art for a curriculum in architecture leading to the degree of Bachelor of Architecture, to be implemented at the beginning of the academic year 1964-65.

Submitted herewith is a supporting statement describing the new curriculum, a copy of which is being filed with the Secretary of the Board for record.

Establishment of this new curriculum is in accordance with the educational policies and plans for the organization of educational programs involved in the expansion of the Chicago Undergraduate Division into a degree-granting branch of the University, consistent with prior legislative authorization of the same, as approved by the Board of Trustees in January and February, 1961.

The Senate Coordinating Council has indicated that this curriculum is ready for approval by the Board of Trustees.

I recommend approval.

On motion of Mrs. Watkins, this recommendation was approved.

**CONTRACT FOR CAMPUS TREE-PLANTING PHASE 4**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $22,578.94 to Twin City Landscape Service, Inc., the lowest bidder, for the fourth phase of the campus tree-planting program at Urbana-Champaign.

This contract is for planting trees on the west side of Mathews Avenue from Springfield Avenue to Nevada Street; on the east side of Mathews Avenue adjacent to the Mechanical Engineering Building; on both sides of Sixth Street from Armory Avenue to Pennsylvania Avenue; on the south side of Gregory Drive from Oak Street to First Street; on the west side of Oak Street from Stadium Drive to Florida Avenue; on both sides of St. Mary's Road from the west University property line to Fourth Street; and adjacent to the Illinois Central Railroad right-of-way from Stadium Drive south to the existing planting at the Physical Plant Service Building.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**CONTRACTS FOR LANDSCAPING OF SITES AT THREE NEW BUILDINGS IN URBANA-CHAMPAIGN**

(11) The Director of the Physical Plant and the Vice-President and Comptroller
recommend awards of contracts to Twin City Landscape Service, Inc., Urbana, for landscaping of the areas of three new buildings recently constructed or now being completed at Urbana-Champaign, the award in each case being to the lowest bidder:

- College of Commerce and Business Administration West: $12,120.28
- College of Education Building: 7,626.40
- Orchard Downs, First Addition: 15,236.71

Funds are available in the construction budgets of the three buildings.

I concur.

On motion of Mr. Swain, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no none; absent, Mr. Jones, Mr. Kerner.

**CONTRACT FOR ELECTRICAL SERVICES FOR TELEVISION STUDIOS**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an agreement with the Illinois Power Company for electrical services to the Television Studios at 1114 West Main Street, Urbana, at the standard Utilities Service Classification Rate No. 21, including Rider A.

Service was originally initiated under a rate for which no formal contract was necessary. It has since been determined that the demand for electricity is such that a savings of approximately $100 per year can be effected by entering into the proposed contract.

Funds for the annual estimated cost of $7,000 are available in the Physical Plant operating budget.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**CLOSED CIRCUIT TELEVISION FACILITIES FOR CHILDREN'S RESEARCH CENTER**

(13) It is anticipated that closed circuit television facilities between the Herman M. Adler Clinic to be constructed by the State Department of Mental Health and the Children's Research Center to be constructed by the University will be desirable for research through the observation of activities in various buildings of the Clinic.

The Illinois Bell Telephone Company will install television conduit and cable between the buildings at no cost to the University if the University issues a letter stating that it intends to lease the transmission facilities at the prevailing rates authorized by the Interstate Commerce Commission if and when closed circuit television equipment is installed. The Company will also install telephone cable at the same time without additional charge; however, if only telephone cable is installed, it must be done at University expense, so that the letter referred to will save the University an estimated $9,000 in the cost of the telephone cable. Installation of underground television cable by the University would cost an estimated $17,000 at this time; the cost would be higher after the buildings, landscaping, walks, and drives have been completed.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of any necessary agreements at the appropriate time with the Illinois Bell Telephone Company for closed circuit television facilities.

On motion of Mr. Williamson, authority was given as requested; Mr. Hughes asked to be recorded as not voting.

**CONTRACT FOR INCINERATOR IN DENTISTRY-MEDICINE-PHARMACY BUILDING**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend a contract for $14,474 to the C. O. Henriksen Company, Chicago, the
lowest bidder, for construction and installation of an incinerator in the Dentistry-Medicine-Pharmacy Building.

This improvement is a part of the 1963-65 building program and funds are available in the state capital appropriations for the same.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

**AGREEMENT WITH FEDERAL AVIATION AGENCY AND GRANT FOR AIRPORT IMPROVEMENTS AND ACQUISITION OF LAND**

(15) In 1961 the University purchased air rights at the south end of the north-south runway and land-in-fee on the north end of the north-south runway at the University of Illinois-Willard Airport in accordance with an agreement with the Federal Aviation Agency to provide clear zones on the north-south runway for a prospective instrument runway. The Federal Aviation Agency subsequently decided to put the installation on the northwest-southeast runway and is now making an instrument landing system installation on that runway.

The Federal Aviation Agency has offered the University a grant of $92,443 to: (1) reimburse the University for costs of acquiring the land and air rights on the north-south runway; (2) install high intensity lights; (3) purchase the necessary air rights and land on the northwest-southeast runway; (4) install marking on instrument runway; (5) install perimeter fencing on the approach lighting system site; and (6) remove obstructions.

In order to accept this grant, the University must agree to acquire approximately twenty acres of land in fee simple and air rights over approximately one hundred and ten acres at the ends of the northwest-southeast runway. The land will be used for the future installation of an approach lighting system and clearance zones, which adds to the utility and safety of the airport operations and is usually installed as an integral part of the instrument landing system.

The State Department of Aeronautics has agreed to pay the matching costs of these improvements, to the extent of $44,000, from state appropriations released for improvements at the University of Illinois-Willard Airport. The entire cost of the land to be acquired is reimbursable from the federal grant and the appropriation to the State Department of Aeronautics.

The Director of the Institute of Aviation and the Vice-President and Comptroller recommend acceptance of the grant and authorization of the Director of the Institute of Aviation to negotiate for the acquisition of the land, recommendations for the purchase of which will be submitted to the Board.

I concur and recommend adoption of the following resolution:

**Resolution Accepting, Adopting, and Authorizing Execution of Acceptance of Grant Offer of the Administrator of the Federal Aviation Agency Constituting Grant Agreement Between the Board of Trustees of the University of Illinois and the United States**

**WHEREAS,** the Administrator of the Federal Aviation Agency, for and in behalf of the United States, has extended to The Board of Trustees of the University of Illinois a formal Grant Offer, dated December 19, 1963, pursuant to the Project Application of The Board of Trustees of the University of Illinois submitted to the Federal Aviation Agency, dated September 27, 1963, all as hereinbelow set forth, and all relating to the development of the University of Illinois-Willard Airport; the same bearing FAA Project No. 9-11-026-C404; and

**WHEREAS,** pursuant to and for the purposes of carrying out the provisions of the Federal Airport Act (60 Stat. 170; Public Law 377, 79th Congress), it is necessary that said Grant Offer be duly and formally accepted by The Board of Trustees of the University of Illinois; and

**WHEREAS,** such Grant Offer and such Acceptance thereof, duly executed, together shall constitute the Grant Agreement between The Board of Trustees of the University of Illinois and the United States relating to said airport-development project; and

**WHEREAS,** the said Grant Offer is in the words, figures, and form following:
To: The Board of Trustees of the University of Illinois, and State of Illinois, Department of Aeronautics, Co-Sponsors, (herein referred to as the "Sponsor")

FROM: The United States of America (acting through the Federal Aviation Agency, herein referred to as the "FAA")

WHEREAS, The Board of Trustees of the University of Illinois has submitted to the FAA a Project Application dated January 26, 1961, and the State of Illinois, Department of Aeronautics, and The Board of Trustees of the University of Illinois have submitted to the FAA a Project Application dated September 27, 1963, for projects for development of the University of Illinois-Willard Airport (herein called the "Airport"), which Project Applications as approved by the FAA are hereby incorporated herein and made a part hereof; and

WHEREAS, the FAA has approved a project for development of the Airport (herein called the "Project") consisting of the following-described airport development:

- Reimburse for N and S clear zone acquisition; acquire NW and SE clear zones and ALS site in SE approach to NW/SE (ILS) runway; install high-intensity lighting system for NW/SE runway; install instrument-runway marking on NW/SE runway; install perimeter fencing on ALS site; remove obstructions.

all as more particularly described in the property map and plans and specifications incorporated in the said Project Applications;

Now therefore, pursuant to and for the purpose of carrying out the provisions of the Federal Airport Act, as amended (49 U.S.C. 1101), and in consideration of (a) the Sponsor's adoption and ratification of the representations and assurances contained in said Project Application, and its acceptance of this Offer as hereinafter provided, and (b) the benefits to accrue to the United States and the public from the accomplishment of the Project and the operation and maintenance of the Airport as herein provided, THE FEDERAL AVIATION AGENCY, FOR AND ON BEHALF OF THE UNITED STATES, HEREBY OFFERS AND AGREES to pay, as the United States share of the allowable costs incurred in accomplishing the Project, 50 per centum thereof, PROVIDED, HOWEVER, that the United States' share of the allowable costs incurred in accomplishing the installation hereunder of the high-intensity lighting system on the NW/SE designated instrument landing runway and the acquisition of the 3200' x 400' site for an Approach Light System in the SE approach thereto shall be 75 per centum thereof.

This Offer is made on and subject to the following terms and conditions:

1. The maximum obligation of the United States payable under this Offer shall be $92,443.00.

2. The Sponsor shall:
   (a) begin accomplishment of the Project within ninety days after acceptance of this Offer or such longer time as may be prescribed by the FAA, with failure to do so constituting just cause for termination of the obligations of the United States hereunder by the FAA;
   (b) carry out and complete the Project without undue delay and in accordance with the terms hereof, the Federal Airport Act, and Sections 550.7 and 550.8 of the Regulations of the Federal Aviation Agency (14 CFR 550) in effect as of the date of acceptance of this Offer; which Regulations are hereinafter referred to as the "Regulations";
   (c) carry out and complete the Project in accordance with the plans and specifications and property map, incorporated herein, as they may be revised or modified with the approval of the FAA.

3. The allowable costs of the project shall not include any costs determined by
the FAA to be ineligible for consideration as to allowability under Section 550.4(a) of the Regulations.

4. Payment of the United States share of the allowable project costs will be made pursuant to and in accordance with the provisions of Section 550.9 of the Regulations. Final determination as to the allowability of the costs of the project will be made at the time of the final grant payment pursuant to Section 550.9(d) of the Regulations: Provided, that, in the event a semi-final grant payment is made pursuant to Section 550.9(c) of the Regulations, final determination as to the allowability of those costs to which such semi-final payment relates will be made at the time of such semi-final payment.

5. The Sponsor shall operate and maintain the airport as provided in the Project Application herein and specifically covenants and agrees, in accordance with its Assurance 4 in Part III of said Project Application, that in its operation and the operation of all facilities thereof, neither it nor any person or organization occupying space or facilities thereon will discriminate against any person or class of persons by reason of race, color, creed or national origin in the use of any of the facilities provided for the public on the airport.

6. The FAA reserves the right to amend or withdraw this Offer at any time prior to its acceptance by the Sponsor.

7. This Offer shall expire and the United States shall not be obligated to pay any part of the costs of the Project unless this Offer has been accepted by the Sponsor on or before March 15, 1964, or such subsequent date as may be prescribed in writing by the FAA.

8. It is recognized by the parties hereto that on February 11, 1963, Part 550 of the Regulations of the Federal Aviation Agency (14 CFR 550) was deleted and superseded by Part 151 of the Federal Aviation Regulations (27 FR 12348). Therefore, it is understood and agreed that Paragraphs 2(b), 3, and 4 of this Grant Offer are hereby deleted and the following Paragraphs 2(b), 3, and 4 are substituted in their place and stead:

"2(b) carry out and complete the Project without undue delay and in accordance with the terms hereof, the Federal Airport Act, as amended, and Sections 151.45, 151.47, 151.49, 151.51, 151.53, and 151.55, of the Federal Aviation Regulations (27 FR 12348) in effect as of the date of acceptance of this Offer; which Regulations are hereafter referred to as the 'Regulations';"

"3. The allowable costs of the project shall not include any costs determined by the FAA to be ineligible for consideration as to allowability under Section 151.41(b) of the Regulations."

"4. Payment of the United States' share of the allowable project costs will be made pursuant to and in accordance with the provisions of Sections 151.57, 151.59, 151.61, and 151.63 of the Regulations. Final determination as to the allowability of the costs of the project will be made at the time of the final grant payment pursuant to Section 151.63 of the Regulations: Provided, that, in the event a semi-final grant payment is made pursuant to Section 151.63 of the Regulations, final determination as to the allowability of those costs to which such semi-final payment relates will be made at the time of such semi-final payment."

9. It is understood and agreed that each contract awarded for construction work under this project is subject to the provisions of the Work Hours Act of 1962, Public Law 87-581. It is further understood and agreed that each such contract will contain stipulations requiring the contractor or subcontractor to pay wages to all laborers and mechanics employed on the work in conformance with the provisions of the Act and that the Sponsor may withhold or cause to be withheld from the contractor or subcontractor so much of the accrued payments as may be considered necessary to pay laborers and mechanics employed by any such contractor or subcontractor on the work the full amount of wages required by the contract and such sums as may administratively be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for liquidated damages as provided by the Act. It is also understood and agreed that, in the event of failure of any contractor or subcontractor to pay any laborer or mechanic employed or working on the site of the work all or part of the wages required by the contract, the FAA may, after written notice to the Sponsor, withhold from the Sponsor so much of the accrued payments or advances representing unpaid wages and liquidated damages.

10. By this acceptance hereof, the Sponsor hereby covenants that to the extent it
I now submit the report from the Urbana-Champaign Senate Committee on Academic Freedom and Tenure, unanimously adopted by that group, as follows:

March 6, 1964

President David D. Henry
355 Administration (W)

Dear President Henry:

In your letter of February 21 addressed to the Chairman of our Committee you asked the Committee to review the "expressions on public affairs" contained in your statement to the Board of Trustees and to give you our advice — as to whether University action of any kind concerning them or toward Professor Oliver because of them is indicated."

We commend you for asking the faculty, as represented by this Committee, to give you its counsel, but your request poses a difficult question for the Committee. On the one hand we wish to be helpful to you and to support the policy that administrative officers of the University consult with the faculty before making decisions on issues of concern to the academic community; but on the other hand we are confronted with the fact that our current University statutes do not appear to give our Committee, or any other faculty body, the authority to consult with the President in situations of this kind. Furthermore the Committee on academic freedom must by provisions in our University statutes afford a hearing to any staff member who feels that his academic freedom is being jeopardized; and also conduct a hearing and make recommendations when asked by a staff member against whom charges have been filed by the President, when such charges relate to the academic freedom of the staff member. It can be argued therefore that any judgment made by this Committee in response to your request would impair the ability of the Committee to act impartially when and if asked by the staff member to conduct a hearing on his behalf.

Despite these considerations the Committee has decided that it should respond to your request. To do otherwise would create the impression that the academic community at the University of Illinois is not concerned and that though the President wished to have the counsel of the faculty he could not get it. We know the academic community at the University of Illinois is concerned, and we refuse to accede to the unhappy and anomalous conclusion that the President has no right to confer with a responsible faculty committee about problems of great concern to the University and on which he must make decisions. We wish there were clear channels for such consultation and we would note in passing that when the proposed statutory revisions become effective such channels will exist.

The exercise of academic freedom rights and privileges by a faculty is not without its price to a university, but the benefits greatly outweigh the costs. The public frequently does not realize why academic freedom is such a cherished value, and is so zealously guarded, by the academic community of scholars. In the furtherance of a university's educational objectives of exploring new fields, developing and transmitting new ideas, pushing forward the frontiers of knowledge, in short, in the search for the eternal verities, administrative restraint on the scholar searching for these truths must be avoided. If, in the exercise of this protected freedom of research and expression, and despite the statutory admonition that a professor is expected to observe professional standards of "accuracy, forthrightness, and dignity befitting his association with the university and his position as a man of learning," abuses of this privilege occur, restraints on such abuses must normally be provided by the adverse judgment of the individual's professional colleagues. He must withstand the full glare of critical professional judgment and condemnation for unprofessional, undignified, unsupported, or offensive utterances. He must have the right to be as ungloriously wrong, and suffer the professional consequences thereof, as to be gloriously right and receive the acclaim of his professional colleagues therefore. Thus when abuses occur, and the public image of a great university is somewhat tarnished as a result thereof, it must be recognized that the larger gain is in the brighter image of the university presented to the scholarly world of an institution dedicated to the advancement of knowledge and learning, and one willing to pay the price for strict adherence to this ideal.
It is understood and agreed by and between the parties hereto that the United States shall not make, nor shall it be obligated to make, final grant payment hereunder or any payment representing the United States' share of the respective costs of acquiring Areas R, S, and T, as the same are delineated on the aforesaid Exhibit "A", until the Sponsor shall have submitted evidence satisfactory to the FAA of fee simple title satisfactory to the FAA in and to the said Areas R, S, and T, or of the respective costs of acquiring Tracts 1, 2, 3, and 4, as the same are delineated on the aforesaid Exhibit "A", until the Sponsor shall have submitted evidence satisfactory to the FAA of easement interests satisfactory to the FAA in and over each of said Tracts 1, 2, 3, and 4.

It is understood and agreed by and between the parties hereto that the United States shall not make, nor shall it be obligated to make any payment representing the United States' share of the costs of accomplishing the project obstruction-removal work until the Sponsor has submitted evidence satisfactory to the FAA that such work has been completed and that the Sponsor held a property interest or other right permitting it to go on the land concerned and perform such work.

The Sponsor hereby covenants and agrees that the installation of perimeter fencing around the ALS site shall not be commenced until the Sponsor has submitted evidence satisfactory to the FAA of fee simple title satisfactory to the FAA in and to Areas R, S, and T, as the same are delineated on the aforesaid Exhibit "A".

18. The Board of Trustees of the University of Illinois and the State of Illinois Department of Aeronautics hereby covenant and agree that they will use their good offices to obtain at as early a time as feasibly may be, the Amendment of the Airport Approach and Zoning Plans and corresponding regulations of the County of Champaign, Illinois dated November 16, 1944, to conform with the approach plans, areas and profiles as shall be applicable upon the completion of this project.

The Sponsor's acceptance of this Offer and ratification and adoption of the Project Application incorporated herein shall be evidenced by execution of this instrument by the Sponsor, as hereinafter provided, and said Offer and Acceptance shall comprise a Grant Agreement, as provided by the Federal Airport Act, constituting the obligations and rights of the United States and the Sponsor with respect to the accomplishment of the Project and the operation and maintenance of the Airport. Such Grant Agreement shall become effective upon the Sponsor's acceptance of this Offer and shall remain in full force and effect throughout the useful life of the facilities developed under the Project but in any event not to exceed twenty years from the date of said acceptance.

UNIVERSITY OF ILLINOIS

Part II — Acceptance

The Board of Trustees of the University of Illinois does hereby ratify and adopt all statements, representations, warranties, covenants, and agreements con-
tained in the Project Application and incorporated materials referred to in the
foregoing Offer and does hereby accept said Offer and by such acceptance agrees
to all of the terms and conditions thereof.

Executed this .........., day of ................................................, 19.......
The Board of Trustees of the
University of Illinois
(Seal)
By........................................................
Title........................................................

Attest........................................................
Title........................................................

Certificate of Sponsor's Attorney

I, ................................................................................,, acting as Attorney for The Board
of Trustees of the University of Illinois (herein referred to as the “Sponsor”) do
hereby certify:

That I have examined the foregoing Grant Agreement and the proceedings
taken by said Sponsor relating thereto, and find that the Acceptance thereof by
said Sponsor has been duly authorized and that the execution thereof is in all
respects due and proper and in accordance with the laws of the State of Illinois,
and further that, in my opinion, said Grant Agreement constitutes a legal and
binding obligation of The Board of Trustees of the University of Illinois in
accordance with the terms thereof.

Dated at ........................................ this ............., day of ................................................, 19.

Title........................................................

The State of Illinois, Department of Aeronautics does hereby accept said
Offer and by such acceptance agrees to all of the terms and conditions thereof.

Executed this .........., day of ................................................, 19.......

State of Illinois
Department of Aeronautics
(Seal)
By........................................................
Title........................................................

Certificate of Co-Sponsor's Attorney

I, ................................................................................,, acting as Attorney for the State
of Illinois, Department of Aeronautics, do hereby certify:

That I have examined the foregoing Grant Agreement and proceedings taken
by the State of Illinois, Department of Aeronautics relating thereto and find that
the acceptance thereof by the State of Illinois, Department of Aeronautics has
been duly authorized and that the execution thereof is in all respects due and
proper and in accordance with the laws of the State of Illinois and further that,
in my opinion, said Grant Agreement constitutes a legal and binding obligation of
the State of Illinois, Department of Aeronautics in accordance with the terms
thereof.

Dated at ........................................ this ............., day of ................................................, 19.

Title........................................................

Now, Therefore, upon consideration of said Grant Offer and all of the terms,
provisions, conditions, and exhibits therein and thereto, Be It, and It Is Hereby
Resolved by The Board of Trustees of the University of Illinois as follows:

1. That The Board of Trustees of the University of Illinois accept, and it does
hereby accept the Grant Offer extended to it by the Administrator of the
Federal Aviation Agency, for and in behalf of the United States in the words,
figures, and form as hereinafore set forth and that it shall enter into a Grant
Agreement with the United States by causing the Acceptance thereof, in the
words, figures, and form as hereinafore set forth, to be duly executed in its
name and for and in its behalf.

2. That to accomplish the foregoing, H. O. Farber, Comptroller, be and he is
hereby authorized and directed to execute, for and in behalf of The Board of
Trustees of the University of Illinois, the said Acceptance of the said Grant Offer, and that A. J. Janata, Secretary, be and he is hereby authorized and directed to attest said execution and to impress thereon the Official Seal of the University of Illinois.

3. That the Project Application, dated September 27, 1963, executed and submitted to the Federal Aviation Agency by The Board of Trustees of the University of Illinois, relating to FAA Project No. 9-11-026-C404, including all the statements, representations, warranties, covenants, and agreements, contained therein, be and the same is hereby ratified and adopted.

4. That the Agency and Participation Agreement, attached thereto and by reference made a part thereof, entered into on the 27th day of September, 1963, by The Board of Trustees of the University of Illinois and by the State of Illinois, Department of Aeronautics, be and the same is hereby confirmed and ratified.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner; not voting, Mr. Johnston.

ESTATE OF ANNA M. GULICK, DECEASED

(16) On June 4, 1963, the Probate Court of McLean County, Illinois, entered an order admitting to probate a will dated September 17, 1954, and a codicil thereto dated December 1, 1960, as the Last Will and Testament of Anna M. Gulick, deceased. The University is not a beneficiary under these instruments. The June 4, 1963, order also denied probate to a document dated September 2, 1960, purporting to be Mrs. Gulick's last will and testament, under which certain property is disposed of to individuals and the residuary estate is placed in trust with the income to be divided equally among the University of Illinois, Northwestern University, and Illinois Wesleyan University. The latter institution is a beneficiary under both instruments but would take a greater share under the documents admitted to probate by the June 4, 1963, action of the Probate Court.

The Legal Counsel states that preliminary investigation indicates that the September 2, 1960, instrument favoring the University may, in fact, be the last will of the decedent. He states further that, because of limitations on the extent of evidence admissible in the probate court, the validity of the documents admitted to probate should be determined in a separate proceeding filed in the Circuit Court of McLean County, Illinois. He recommends that the University join with Northwestern University in instituting a suit to contest the documents admitted as Mrs. Gulick's will, and requests authority to employ such special legal counsel as he may deem necessary or appropriate to assist in the prosecution of the same.

I concur.

On motion of Mr. Johnston, this recommendation was approved.

PURCHASES

Purchases Authorized

(17) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.

Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of radiation counting equipment consisting of one amplifier-analyzer, one scaler-timer with high voltage power supply, one scintillation high-voltage power supply, one gamma scintillation detector, one well assembly with photomultiplier tube and metal shield, and one dual purpose timer</td>
<td>Agency for International Development</td>
<td>Baird-Atomic, Inc., Cambridge, Mass.</td>
<td>$ 134 75</td>
</tr>
<tr>
<td></td>
<td>(Faculty of Medicine — Chiangmai Hospital, Thailand)</td>
<td>f.a.s. New York, N.Y.</td>
<td></td>
</tr>
</tbody>
</table>
On motion of Mr. Johnston, these purchases were confirmed.

### Purchases Recommended

#### Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print 30,000 copies of Chicago Undergraduate Division catalog, 1964-65, 6 in. by 9 in., 160 pages plus six-page tipped insert and cover, supply for one year</td>
<td>Health Service, Chicago</td>
<td>Winfield, Inc., Chicago</td>
<td>$13 000 00 delivered and installed</td>
</tr>
<tr>
<td>One computer, analog, fully transistorized, with plug-in expansion features built in, computer time 20, 50, 100, and 200 milliseconds steps ± 5 per cent, vernier scale expansions of 2.5 at 1.0 minimum, reset time 10 milliseconds ± 5 per cent</td>
<td>Chemistry and Chemical Engineering</td>
<td>Electronic Associates, Inc., Long Branch, N.J.</td>
<td>$6 042 50 delivered</td>
</tr>
<tr>
<td>Two tape recorders, two channel, speeds 7½ and 15 in. per second, 30 to 18,000 cps frequency ± 2 db 15 ips eight microphones</td>
<td>School of Music</td>
<td>Radio Doctors, Champaign</td>
<td>4 988 20 f.o.b. delivered</td>
</tr>
<tr>
<td>One net, baseball practice, 130 ft. square, with 15 ft. high walls and tent-type roof, to be used for indoor baseball and golf practice in the University of Illinois Armory</td>
<td>Physical Education for Men</td>
<td>Bailey &amp; Ilimes, Inc., Urbana</td>
<td>3 905 50 f.o.b. delivered</td>
</tr>
<tr>
<td>One audiometer with output switch and matched earphones, frequency range 100 to 10,000 cycles per second controlled in three manners: (a) 2-decade range, (b) 2-octave range, and (c) neutral, signal interruption controlled at a rise and fall time of 25 milliseconds</td>
<td>Speech and Theatre</td>
<td>Grason-Stadler Co., Inc., West Concord, Mass.</td>
<td>3 379 23 f.o.b. delivered</td>
</tr>
<tr>
<td>Nineteen catalog card cabinets, sixty trays each, wood, with label holders and large ring pulls</td>
<td>Library</td>
<td>Gaylord Brothers, Inc., Syracuse, N.Y.</td>
<td>13 110 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 35,000 copies of Time Table, First Semester, 1964-65, trim size 8½ x 11 in. by 8½ in., approximately 332 pages per copy</td>
<td>University Press</td>
<td>Wisconsin Cuneo Press, Inc., Chicago</td>
<td>7 758 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 80,000 copies Undergraduate Study, 1964-65, trim size 6 in. by 9 in., approximately 368 pages per copy</td>
<td>University Press</td>
<td>R. R. Donnelley &amp; Sons Co., Chicago</td>
<td>26 168 20 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 40,000 copies of Graduate College Catalog, 1964-65, trim size 6 in. by 9 in., approximately 328 pages per copy</td>
<td>University Press</td>
<td>Pantograph Printing &amp; Stationery Co., Bloomington</td>
<td>14 857 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
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</tr>
<tr>
<td>(Note: This purchase will be made from both Appropriated Funds, $3,050.91, and Institutional Funds, $3,050.91, for a total of $6,101.82.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One tractor, 1964, with five-gang front-mounted mower units, dual-drive front wheels, rear steering, hydraulic lift system; less trade-in of 1959 Worthington tractor</td>
<td>Physical Plant</td>
<td>Leon Short &amp; Sons, Inc., Keokuk, Iowa</td>
<td>$5,754.00 delivered</td>
</tr>
<tr>
<td><strong>Purchases from Institutional Funds</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One hundred dental manikins to be used in teaching the undergraduate dental student technique with dental instruments</td>
<td>Applied Materia Medica and Therapeutics, Chicago</td>
<td>Columbia Dentalform Corp., New York, N.Y.</td>
<td>$3,185.00 delivered</td>
</tr>
<tr>
<td>One research recorder and accessories</td>
<td>Medicine, Chicago</td>
<td>Electronics for Medicine, Inc., White Plains, N.Y.</td>
<td>$7,355.00 delivered</td>
</tr>
<tr>
<td>Polarizing photomicroscope equipped for phase and brightfield microscopy</td>
<td>Orthodontics, Chicago</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>$6,484.30 delivered</td>
</tr>
<tr>
<td>One spectrophotometer</td>
<td>Pharmacy, Chicago</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$2,970.00 delivered</td>
</tr>
<tr>
<td><strong>Dental laboratory service for the Prosthodontics Clinic</strong>, consisting of the processing of artificial teeth in plastic and the furnishing of removable partial denture castings, for the period March 1, 1964, through June 30, 1964, renewable for one year by mutual agreement</td>
<td>Prosthodontics Clinic, Chicago</td>
<td>Twentieth Century Dental Laboratory, Inc., Chicago</td>
<td>$9,998.76 delivered</td>
</tr>
<tr>
<td>One fifteen-passenger station wagon coach with standard heavy duty coach construction, V-8 283 h.p. engine, super-hydraulic four-speed transmission, power brakes, power steering, Saf-T-Track differential, dual heaters and defrosters, heavy duty frame reinforcements, electric wipers and washers, tinted glass, roof baggage rack and tarpaulin, and undercoating</td>
<td>Physical Education and Athletic Activities, Chicago Undergraduate Division</td>
<td>Al Abrams Motor Sales, Inc., Chicago</td>
<td>$6,709.20 delivered</td>
</tr>
<tr>
<td>One audio tape duplicating system with full-track heads</td>
<td>Agriculture Extension Editor's Office</td>
<td>Allied Electronics, Chicago</td>
<td>$3,666.66 delivered</td>
</tr>
<tr>
<td>One table top cabinet</td>
<td>Agronomy</td>
<td>Research Specialties Co., Richmond, Calif.</td>
<td>$4,523.00 delivered</td>
</tr>
<tr>
<td>Twenty-five microscopes, inclined, monocular, standard teaching</td>
<td>Agronomy</td>
<td>LaPine Scientific Co., Chicago</td>
<td>$7,150.00 delivered</td>
</tr>
<tr>
<td>Twenty-five stereomicroscopes, student, for three dimensional viewing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twenty-five illuminators, for student microscopes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One gas chromatograph with hydrogen generator, recorder, disc integrator, syringes, pressure regulator and columns for use by the Department of Agronomy in Turner Hall</td>
<td>Agronomy</td>
<td>Wilkens Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>$3,125.73 delivered</td>
</tr>
<tr>
<td>One spectrometer system EPR with dual channel recorder and accessories, for structure determinations of substances containing unpaired electrons</td>
<td>Chemistry and Chemical Engineering</td>
<td>Varian Associates, Palo Alto, Calif.</td>
<td>$56,050.00 delivered</td>
</tr>
<tr>
<td>One spectrum analyzer, special, single channel d.c. analog power and correlation computer; power spectra 0.01 to 100 cps, bandwidth 0.02 to 200 cps, integration time 10 to 1000 seconds; correlation computer integration time 10 to 1000 seconds</td>
<td>Chemistry and Chemical Engineering</td>
<td>Boosnart &amp; Fujita, Inc., Hatboro, Pa.</td>
<td>$12,825.00 delivered</td>
</tr>
<tr>
<td>One analyzer, spectrophotometer, for use in research on the separation of biologically active molecules, especially proteins and nucleic acids</td>
<td>Chemistry and Chemical Engineering</td>
<td>Spino Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>$23,809.00 delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
<td>---------------------------------</td>
<td>---------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>One lot of laboratory apparatus and equipment including a refrigerated centrifuge and accessories, 48 gas cylinder clamps, 56 scalpels, 96 pair dissecting scissors, 144 spatulas, 312 ring supports, and 288 polyethylene centrifuge tubes; the apparatus items are for General Chemical Stores stock and are estimated to be a three-month supply</td>
<td>General Chemical Stores</td>
<td>LaPine Scientific Co., Chicago</td>
<td>$3,360 00</td>
</tr>
<tr>
<td>One spectrophotometer, tungsten lamp, hydrogen lamp, power supply and apparatus including 504 test tube brushes, 216 polyethylene wash bottles, 400 feet black rubber tubing, and 300 feet assorted sizes of red rubber vacuum tubing; these items are for stock in the General Chemical Stores and are estimated to be a two-month supply</td>
<td>General Chemical Stores</td>
<td>Chemical Rubber Co., Cleveland, Ohio</td>
<td>2,662 10</td>
</tr>
<tr>
<td>One ultrasonic impact grinder, parallelogram suspension, power input 250 watts at 115 volts, power output 100 watts, frequency 22 to 28 Kc.</td>
<td>Chemistry and Chemical Engineering, Glassblowing Laboratory</td>
<td>Raytheon Co., CAS Division, Chicago</td>
<td>3,272 50</td>
</tr>
<tr>
<td>One counter, frequency period, digital with frequency range module and frequency-period module: 0-25 mc, 1 microsecond to 100 seconds gate time, period measurement of 0.1 microsecond to 1000 seconds, 10 to 100 periods</td>
<td>Coordinated Science Laboratory</td>
<td>Computer Measurements Co., c/o Pivan Engineering Co., Chicago</td>
<td>2,759 16</td>
</tr>
<tr>
<td>One oscilloscope, with sampling probe dual trace plug-in unit and timing plug-in unit, 2 mv to 200 mv/cm calibrated sensitivity, 1 nanosec/cm to 100 microsec/cm calibrated sweep speed, with miniature direct sampling probes</td>
<td>Digital Computer Laboratory</td>
<td>Tektronix, Inc., Park Ridge, Beaverton, Ore.</td>
<td>3,500 00</td>
</tr>
<tr>
<td>3,000 transformers, special for transfer memory systems</td>
<td>Digital Computer Laboratory</td>
<td>Wabash Magnetics, Inc., Wabash, Ind.</td>
<td>5,500 00</td>
</tr>
<tr>
<td>One spectrophotometer, double beam, recording, with gratings, rack mounted, including detectors for use in research on P-N laser junctions</td>
<td>Electrical Engineering Research Laboratory</td>
<td>Perkin-Elmer Corp., La Grange</td>
<td>25,514 00</td>
</tr>
<tr>
<td>One residual gas analyzer for continuous analysis of gas remaining in evacuated systems for use by the Electrical Engineering Research Laboratory</td>
<td>Electrical Engineering Research Laboratory</td>
<td>Consolidated Electrodynamics Corp., Chicago</td>
<td>4,461 00</td>
</tr>
<tr>
<td>One centrifuge, preparative, refrigerated and with vacuum system complete with rotor lid and handle, tubes, tube caps and wrenches; the instrument will be used in the study of the physical-chemical state of milk proteins in their natural environment</td>
<td>Food Science</td>
<td>Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>8,680 40</td>
</tr>
<tr>
<td>One nuclear sample changing and counting system (35 sample capacity) consisting of one automatic sample changer, one gas regulator, one printing timer, Q-gas and cylinder, gas flow counter, lead shield, and decade scaler</td>
<td>Horticulture Horticulture</td>
<td>Nuclear-Chicago Corp., Chicago</td>
<td>3,969 69</td>
</tr>
<tr>
<td>One wafering (cutting) machine, table 5½&quot; id x 12½&quot; in., with magnetic chuck, orientation fixture, and coolant system</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>Micromech Manufacturing Corp., Union, N.J.</td>
<td>3,455 00</td>
</tr>
</tbody>
</table>
Labor, machine time, and materials for the construction of parts and accessories for three SMP (scanning and measuring projectors) machines, produced at the U.S. Atomic Energy Commission supported Lawrence Radiation Laboratory at the University of California.

One automatic helium re-purifier and liquefier system to modify and increase production from an average of 250 liters per week to approximately 1,000 liters per week.

Paper pads, writing type, 100 sheets each:
- 1,150 lbs. 3 in. by 5 in., white and colored, not ruled
- 2,500 lbs. 4 in. by 6 in., white, not ruled
- 3,500 lbs. 5 1/2 in. by 8 1/2 in., white, not ruled
- 14,000 lbs. 8 1/2 in. by 11 in., white and canary, not ruled
- 400 gross 8 1/2 in. by 11 in., white and canary, ruled

The above is for stock in the Office Supply Storeroom and is estimated to be a twelve-month supply.

Lounge furniture for the Browsing Room and the Wedgewood Lounge in the Illini Union: sixteen lounge chairs, six arm chairs, four occasional tables 42 in. square.

Furnish fixtures and equipment for the Paper Back Book Center in the Illini Union.


Air-conditioning units, window type of various cooling capacities to be furnished as required during the period March 1, 1964, to November 1, 1964, at Urbana and Chicago:
- 100 (approximately) Group I, 10,000 BTU/HR. capacity
- 70 (approximately) Group II, 14,000 BTU/HR. capacity
- 60 (approximately) Group III, 16,000 BTU/HR. capacity
- 39 (approximately) Group IV, 28,000 BTU/HR. capacity

Steel laboratory furniture for use in remodeling laboratory in the Vegetable Crops Building.

Lounge furniture for Physics Building: twenty tables, six settees, twenty-seven arm chairs.

Foreign workmen’s compensation and employers liability insurance.

On motion of Mr. Johnston, these purchases were authorized.
### COMPTROLLER'S REPORT OF CONTRACTS

The Comptroller's report of contracts executed during the period January 1 to 31, 1964.

#### With Whom
- United States Air Force AF19(628)-3819
- United States Air Force AF30(602)-3325
- United States Army DA-36-039-AMC-3720(E)
- United States Atomic Energy Commission AF(11-1)-1339
- United States Department of Health, Education, and Welfare OE4-10-080

#### Purpose
- Matrix representations of boundary value problem solutions
- Clean surface studies on semiconductors
- Basic elements of design of an improved radio direction-finding and radio-location system for the MF-HF-VHF range
- Fission product levels and metabolism in food producing animals
- Relief of performance anxiety

#### Amount to be Paid to the University
- $20,000.00
- $37,720.00
- $109,614.00
- $25,789.00
- $4,939.00

#### Effective Date
- December 1, 1963
- January 6, 1964
- December 30, 1963
- December 1, 1963
- December 9, 1963

#### Total
- $198,062.00

#### Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allis-Chalmers Manufacturing Co.</td>
<td>Rental of farm machinery: two items, $168.49 and $564.56</td>
<td>$733.05</td>
<td>June and July, 1963</td>
</tr>
<tr>
<td>John Deere Co. of Moline</td>
<td>Rental of farm machinery: two items, $48.57 and $712.83</td>
<td>$761.40</td>
<td>November 27, 1963</td>
</tr>
<tr>
<td>Eversman Manufacturing Co.</td>
<td>Rental of farm machinery: one leveler, two scrapers, and attachments</td>
<td>$334.40</td>
<td>December 7, 1963</td>
</tr>
<tr>
<td>Farm Equipment Sales Co.</td>
<td>Rental of farm machinery: one silo with attachments</td>
<td>$70.00</td>
<td>December 6, 1963</td>
</tr>
<tr>
<td>International Harvester Co.</td>
<td>Rental of farm machinery: sixteen items, $26.17 to $1,912.12</td>
<td>$719.97</td>
<td>September, October, and December, 1963</td>
</tr>
<tr>
<td>MacCarthy Ford Tractor Sales, Inc.</td>
<td>Rental of farm machinery: five items, $62.42 to $734.30</td>
<td>$1,620.04</td>
<td>July and December, 1963</td>
</tr>
<tr>
<td>George Maxwell (renewal)</td>
<td>One dairy barn, one hog barn, two loafing sheds, and one paved lot to be used in research study entitled &quot;The Leukemia Lymphosarcoma Syndrome of Cattle and Swine,&quot; July 1, 1963, through November 30, 1964</td>
<td>$2,550.00</td>
<td>December 1, 1963</td>
</tr>
<tr>
<td>New Idea Farm Equipment Co.</td>
<td>Rental of farm machinery: three items, $45.90 to $148.70</td>
<td>$283.91</td>
<td>July and November, 1963</td>
</tr>
<tr>
<td>Starline, Inc.</td>
<td>Rental of farm machinery: one barn cleaner with accessories</td>
<td>$140.00</td>
<td>December 9, 1963</td>
</tr>
</tbody>
</table>

#### Total
- $13,683.77

#### Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency for International Development AIIDC-1453</td>
<td>Technical advice and assistance requested by the government of India</td>
<td>$449,054.00</td>
<td>October 15, 1963</td>
</tr>
<tr>
<td>Morris Animal Foundation</td>
<td>Babesia–Canis (piroplasmosis) in the intact and splenectomized dog</td>
<td>$900.00</td>
<td>December 19, 1963</td>
</tr>
<tr>
<td>United States Army DA-11-027-ORD-874(X)</td>
<td>Nucleophilic attack of aromatic rings by organometallic compounds</td>
<td>$1,428.71</td>
<td>December 26, 1963</td>
</tr>
<tr>
<td>United States Army DA-31-124-ARQ(D)-55</td>
<td>Electrochemistry of fused salts</td>
<td>$19,803.00</td>
<td>December 4, 1963</td>
</tr>
<tr>
<td>United States Army DA-36-039-AMC-00606(E)</td>
<td>Microwave duplexer switching mechanisms</td>
<td>$50,000.00</td>
<td>December 17, 1963</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2399</td>
<td>Determination of free chlorine residuals in water</td>
<td>$7,444.00</td>
<td>December 10, 1963</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-182</td>
<td>Determine the nature and number of lattice imperfections introduced into crystalline solids by nuclear irradiation at liquid helium temperature</td>
<td>$5,824.99</td>
<td>December 20, 1963</td>
</tr>
</tbody>
</table>

#### Total
- $449,054.00

With Whom | Purpose | Amount to be Paid to the University | Effective Date
--- | --- | --- | ---
United States Atomic Energy Commission AT(11-1)-415 | Research on electronic high-speed digital computers | $450 640 00 | January 15, 1964
United States Atomic Energy Commission AT(11-1)-903 | Mechanism of biologically catalyzed reactions and the metabolites and pathway in which they function | 4 270 00 | December 16, 1963
United States Atomic Energy Commission AT(11-1)-1195 | Research in elementary particle physics | 900 000 00 | January 15, 1964
United States Atomic Energy Commission AT(29-1)-789 (sub-contract with Sandia Corp.) | Determine the coefficient of friction for pairs of 17-4 ph stainless steel. 20 degrees involute spur gears of 96 pitch, 96 teeth in each gear | 2 085 00 | November 29, 1963
United States Navy Nobs-88283 | Low-cycle, high-stress fatigue behavior of materials and structural components of steels, typical of ship applications | 30 000 00 | December 31, 1963
United States Navy Nonr-1834 (22) | Radio astronomy | 100 000 00 | July 31, 1963
United States Navy Nonr-1834(27) | Numerical analysis, switching circuit theory, and the use of computers for the study of computer circuits | 13 279 00 | January 9, 1964

**Total** | | **$2 034 728 70** |

### Adjustments Made in 1963-64 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
</table>
| George S. Grimmett & Co. (Plastering) | Twenty-four items: $78.56 deduct to $2,845.00 | $ 4 369 85 | December, 1963, and January, 1964

This report was received for record.

**INVESTMENT REPORT**

**Report of the Comptroller**

(20) The Comptroller reported the following changes in investments of certain funds, over which he has authority as indicated, for the month of December, 1963:

**Endowment Funds**

Miller (June 20, 1962)

Purchase 158/200 share Commonwealth Edison common stock $ 14 96

**Current Funds**

Restricted Group (June 20, 1962)

Purchase $ 200 000 Beneficial Finance notes due 7/15/64 $195 285 42

500 000 Sears Roebuck Acceptance Corporation notes due 8/14/64 486 685 07

600 000 U. S. Treasury bills due 2/27/64 595 534 00

**Construction Funds**

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase $ 95 000 U. S. Treasury bills due 3/12/64 $ 94 265 33

Chicago — Congress Circle Union (June 19, 1963)

Purchase $ 127 000 U. S. Treasury bills due 2/13/64 $126 314 48

Illini Union and Health Center (December 21, 1960)

Purchase $ 55 000 U. S. Treasury bills due 2/13/64 $ 54 663 64

165 000 U. S. Treasury bills due 3/19/64 163 596 40

Illinois Street Residence Halls (October 17, 1962)

Purchase $ 98 000 U. S. Treasury bills due 3/12/64 $ 97 140 40
On motion of Mr. Williamson, this report was received for record.

AGREEMENTS WITH ILLINOIS BUILDING AUTHORITY

(21) The Illinois Building Authority, created by the General Assembly in 1961, is a separate public corporation empowered to construct such buildings and facilities as the General Assembly shall declare to be in the public interest. The Authority is to finance such construction by the issuance and sale of bonds, serviced and retired from revenues solely derived from the lease of such facilities to state agencies and institutions, including the University. The Illinois Building Authority Act provides that rentals under such leases are to be paid solely from appropriations for that purpose by the General Assembly and from any revenues derived from the operation of the leased premises.

In 1963 the General Assembly declared the following University of Illinois buildings and projects to be in the public interest, thereby indicating that the funding of these projects was to be by the Illinois Building Authority.

1. Construction of Civil Engineering Building, Urbana-Champaign... $ 4 216 000
2. Acquisition of land for building sites, Urbana-Champaign........ 1 000 200
3. Plans and planning to complete architectural studies, Congress Circle, Chicago .................................................. 900 000
4. Equipment for University of Illinois buildings constructed from Universities Building Fund. .............................................................. 4 799 500
5. Construction of Veterinary Medicine Clinic and Hospital, Urbana-Champaign ............................................................. 4 000 000

Total.................................................................................. $14 915 700

The General Assembly also appropriated to the University of Illinois $1,790,000 for the payment of rentals on the leases for these buildings and projects to be executed by the University with the Illinois Building Authority for the 1963-65 biennium.

Under the Act the University will transfer jurisdiction and title to land it now owns and on which the Civil Engineering Building and the Veterinary Medicine Hospital and Clinic Buildings will be located to the Illinois Building Authority.

The leases will provide that rental is payable only out of appropriations made for such purposes by the General Assembly or from revenues derived from the operation of the facilities. Each lease will contain biennial renewal clauses to coincide with the anticipated continuing appropriations by the General Assembly. When the rental payments under the lease total the amounts indicated for each project, plus administrative, legal, interest, and debt retirement costs of the Authority, title to the properties will be conveyed to the University.
The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that the Comptroller and the Secretary of the Board be authorized to execute the necessary documents for these purposes, and that the following resolution be adopted.

I concur.

Resolution

WHEREAS the Illinois Building Authority, a body corporate and politic of the State of Illinois created by the General Assembly of the State of Illinois, is empowered to acquire by purchase or otherwise, construct, complete, remodel, maintain, and equip any and all buildings and other facilities as the General Assembly by law declares to be in the public interest; and

WHEREAS in accordance with the Illinois Building Authority Act the Seventy-third General Assembly of the State of Illinois has declared the following University of Illinois projects to be in the public interest:

- Construction of Civil Engineering Building, Urbana-Champaign,
- Acquisition of land for building sites, Urbana-Champaign,
- Plans and planning to complete architectural studies, Congress Circle, Chicago,
- Equipment for University of Illinois buildings constructed from Universities Building Fund,
- Construction of Veterinary Medicine Clinic and Hospital Building, Urbana-Champaign,

and

WHEREAS The Board of Trustees of the University of Illinois, a body corporate and politic of the State of Illinois, will be requested by the Illinois Building Authority to enter into leases, transfer jurisdiction of real estate, and take other actions to carry out and complete the above projects in accordance with the Illinois Building Authority Act;

Now, Therefore, be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That the Illinois Building Authority be and it hereby is requested to provide the foregoing projects and facilities for and on behalf of the University of Illinois.

Section 2. That the Comptroller and Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this corporation such instruments of conveyance, lease, contract, or other document or documents as are necessary or appropriate in order to provide for the carrying out of the foregoing projects and facilities by the Illinois Building Authority.

Section 3. That during any period in which this Board of Trustees is not in session, its Executive Committee be empowered to act for the entire Board and on its behalf involving any action between this Board and the Illinois Building Authority concerning real estate related to the foregoing projects and facilities.

On motion of Mr. Swain, authority was given as recommended, and the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

TRANSFER OF PROPERTY FOR ADDITION TO WATER RESOURCES BUILDING

(22) Section 62 of Chapter 127 of the Illinois Revised Statutes provides that the functions and duties formerly exercised by the State Water Survey are vested in the Department of Registration and Education and shall continue to be exercised at the University of Illinois in buildings provided by the Trustees.

In 1963 the General Assembly declared it to be in the public interest that the Illinois Building Authority construct an Addition to the Water Survey Building in Champaign on behalf of the Department of Registration and Education. Section 4 of the Illinois Building Authority Act, as amended, provides:

"Any department, board, commission, agency, or other officer of this State or the Board of Trustees of the University of Illinois, the Board of Trustees
of Southern Illinois University or the Teachers College Board may transfer jurisdiction of or title to any property under its or his control to the Authority when such transfer is approved, in writing, by the Governor as being advantageous to the State."

The Department of Registration and Education has requested the Board of Trustees of the University of Illinois to transfer to the Illinois Building Authority jurisdiction and title to property now owned by the University and on which the Addition to the Water Survey Building is to be constructed.

The Vice-President and Comptroller and the Director of the Physical Plant recommend that such request be complied with on condition that title to the property revert to the University of Illinois when the Department of Registration and Education has completed the rental payments required by its lease with the Illinois Building Authority.

I concur and recommend the adoption of the following resolution.¹

On motion of Mr. Johnston, this recommendation was approved and the resolution submitted was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

STATEMENT BY MR. HOWARD W. CLEMENT, PRESIDENT OF THE BOARD

Publication of an article by a University Professor of the Classics on the subject of the federal government has resulted in nationwide publicity and public reaction which have been major concerns of every member of the Board of Trustees.

In view of this widespread public reaction and because of many inquiries by citizens to individual Board members, the matter, although not on the agenda or officially before this Board at this time, must receive attention.

We have expressed our concerns to the President and he advises me that he has prepared a statement on the matter for presentation at this time.

STATEMENT BY DR. DAVID D. HENRY, PRESIDENT OF THE UNIVERSITY

During the past week, a member of the faculty in Classics at the University of Illinois has been involved in nationwide publicity concerning an article on the federal government which he published.

Mr. Revilo Oliver, in this article, wrote on a subject beyond his University responsibilities, as a private citizen, for a non-university journal. Ordinarily, the University takes no notice of a professor's comment or conduct as a citizen. His right to dissent, to express unorthodox views, and to criticize is not only recognized, it is protected by the tradition of academic freedom at the University of Illinois, in the academic world, and by the Statutes governing the University.

That Mr. Oliver’s views are not shared by this academic community is certain. I believe my colleagues agree, as I said earlier, that his unsupported accusations, and his unreasoned and vitriolic attack on the character and patriotism of President Kennedy are beyond the bounds of good taste in public comment and the normal proprieties of public

¹ This resolution was rescinded by the Board of Trustees on March 18, 1964, and therefore is not printed in these minutes. A revised resolution was adopted on March 18, 1964, and appears in the minutes of that meeting. — Secretary's Note.
debate. Mr. Oliver's expression raises questions as to whether he has complied with the expectations for professional responsibility.

Some, outside the University community, do not understand that academic freedom and its corollary, academic responsibility, have evolved for the protection of both the student and the teacher, and are essential to the search for truth.

When, as in the case of Mr. Oliver's article, massive public reaction occurs there is a tendency for those not familiar with the concepts of academic freedom, and the reasons for its existence, to formulate judgments based on issues and standards which do not apply in the academic environment.

I would make clear, however, that observance of professional standards is expected, but by custom this is a matter for professionals to consider.

Earlier I indicated that there was nothing concerning Mr. Oliver's statement before me as President. Under the procedures of the University, there is still nothing before me. However, I plan to ask the Urbana Senate Committee on Academic Freedom and Tenure to review the situation and give me their advice.

**MOTION OF MRS. FRANCES B. WATKINS, MEMBER OF THE BOARD**

I move that the Board endorse the President's statement. It makes three points clear:

1. Mr. Oliver did not speak for the University, its faculty, the administration, or this Board;
2. The University strongly supports the principles of academic freedom and established procedures which require that no action be taken without an opportunity for prior faculty consultation;
3. That the administration and the Board are now seeking faculty advice.

This motion was unanimously adopted.

**MINUTES APPROVED**

The Secretary presented the minutes of the meeting of the Board of Trustees on June 19, 1963, press proof copies of which have previously been sent to the Trustees.

On motion of Mr. Johnston, these minutes were approved as printed on pages 531 to 676, inclusive.

**APRIL BOARD MEETING**

On motion of Mr. Swain, the Board voted to hold the April meeting at the Chicago Undergraduate Division at Navy Pier on Wednesday, April 15, 1964.

**RECESS**

On motion of Mr. Pogue, the Board recessed to await a report from Chicago on the bids on the Housing Revenue Bonds to finance construction of the Graduate Residence Halls.

When the Board reconvened, the same members of the Board, officers of the University, and officers of the Board were present as recorded in the beginning of these minutes.
(23) Bids were received at 11:00 a.m., February 19, 1964, for the sale of $1,440,000 Housing Revenue Bonds of 1964, Series A, and $2,660,000 Housing Revenue Bonds of 1964, Series B, to finance construction of the Graduate Residence Halls Unit 3.

The Vice-President and Comptroller recommends that the Series A Bonds be sold to F. S. Smithers and Company, New York, and Associates at a price of $1,437,681.60 plus accrued interest and at an effective interest rate of 3.6564 per cent, which represents the lowest interest cost to the University, and that $1,480,000 of Series B bonds maturing in 1966 through 1993 be sold to F. S. Smithers and Company and Associates at par plus accrued interest and at an effective interest rate of 3.564 per cent. The Series B Bonds are awarded on the basis of the lowest interest cost to the University for the largest number of bonds bid upon. A tabulation of the bids received is presented and a copy has been filed with the Secretary of the Board for record.

The Vice-President and Comptroller presents a Loan Agreement (Contract No. H(402)-1795) with the Federal Housing and Home Finance Agency and recommends that he be authorized to execute it. In accordance with the provisions of the Loan Agreement, he recommends that $1,180,000 Series B Bonds maturing in 1994 through 2003 be sold to the Housing and Home Finance Agency at par and accrued interest and at an interest rate of 3% per cent.

The Vice-President and Comptroller also presents the Seventh Supplemental Housing Bond Resolution supplementing the Resolution approved December 17, 1958, and creating $1,440,000 Housing Revenue Bonds of 1964, Series A, and $2,660,000 Housing Revenue Bonds of 1964, Series B, and recommends its adoption.

He further recommends that the Board: (1) authorize the execution of the bonds by A. J. Janata, Secretary of the Board, by facsimile signatures of the President of the Board, and by the facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board; and (2) ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the bonds to the purchasers indicated above.

I concur.

On motion of Mr. Johnston, these recommendations were approved and the Seventh Supplementary Housing Bond Resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

Seventh Supplemental Housing Revenue Bond Resolution

A Resolution creating and authorizing the issue, authentication, and delivery of $1,440,000 Housing Revenue Bonds of 1964, Series A, and $2,660,000 Housing Revenue Bonds of 1964, Series B, and further supplementing a resolution duly adopted by the Board of Trustees of the University of Illinois on December 17, 1958.

WHEREAS, The Board of Trustees of the University of Illinois, on due consideration and investigation, does now find and determine that it is advisable and necessary and in the interests of the University of Illinois and the welfare of its students and faculty to construct and equip additional buildings and related facilities for the purpose of housing its students and staff; and

WHEREAS, in order to provide such facilities it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes 1963, and all laws amendatory thereof and supplemental thereto; and

WHEREAS, The Board of Trustees of the University of Illinois on December 17, 1958, did duly adopt a resolution (herein sometimes called "Original Resolution") providing for the issuance of revenue bonds; and

WHEREAS, The Board of Trustees of the University of Illinois on June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, and October 17, 1962, respectively, duly adopted First through Sixth Supplemental Resolutions for
the purpose of supplementing the Original Resolution and providing for the issuance of additional revenue bonds thereunder, and

WHEREAS, there are now issued and outstanding under the Original Resolution as supplemented by the First through Sixth Supplemental Resolutions thereto, $30,638,000 aggregate principal amount of Bonds designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds" and having the further designations of year and series in the respective principal amounts as follows:

<table>
<thead>
<tr>
<th>Year and Series</th>
<th>Principal Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1958, Series A</td>
<td>$1,550,000</td>
</tr>
<tr>
<td>1958, Series B</td>
<td>1,457,000</td>
</tr>
<tr>
<td>1959, Series A</td>
<td>80,000</td>
</tr>
<tr>
<td>1959, Series B</td>
<td>1,474,000</td>
</tr>
<tr>
<td>1959, Series C</td>
<td>3,370,000</td>
</tr>
<tr>
<td>1959, Series D</td>
<td>3,267,000</td>
</tr>
<tr>
<td>1960, Series A</td>
<td>4,960,000</td>
</tr>
<tr>
<td>1960, Series B</td>
<td>4,970,000</td>
</tr>
<tr>
<td>1960, Series C</td>
<td>710,000</td>
</tr>
<tr>
<td>1962, Series A</td>
<td>2,100,000</td>
</tr>
<tr>
<td>1962, Series B</td>
<td>2,400,000</td>
</tr>
<tr>
<td>1962, Series C</td>
<td>4,300,000</td>
</tr>
</tbody>
</table>

WHEREAS, The Board of Trustees of the University of Illinois now desires to create and to authorize the issue, authentication and delivery of an additional issue of Bonds under and in accordance with the Resolution as supplemented by this Seventh Supplemental Resolution thereto which additional Bonds are to be limited to the aggregate principal amount of $4,100,000 at any one time outstanding, $1,440,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1964, Series A" (hereinafter called "1964 Series A Bonds") and $2,660,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1964, Series B" (hereinafter called "1964 Series B Bonds").

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois:

ARTICLE ONE

SUPPLEMENTARY PROVISIONS RELATING TO INCOME AND THE APPLICATION THEREOF

SECTION 1.1. Pledge of Revenues. The pledge of the revenues (including the revenues to be derived from the operation of Project H hereinafter mentioned) contained in Section 5.01 of the Original Resolution and Section 1.1 of each of the First through Sixth Supplemental Resolutions is hereby ratified and confirmed and all revenues to be derived from the operation of Project H are hereby specifically pledged for the purposes mentioned in said Section 5.01 of the Original Resolution.

SECTION 1.2. Supplementation of Revenues. It is hereby determined by the Board of Trustees and it is hereby covenanted that in view of the additional issue of Bonds to be outstanding it is necessary to supplement the revenues to be derived from the facilities by a further use of student tuitions which are authorized by law to be retained in the Treasury of the University and therefore the limitation contained in clause (b) of Section 5.03 of the Original Resolution as supplemented by Section 1.2 of each of the First through Sixth Supplemental Resolutions be and the same is hereby increased by an amount equal to $110,000 so that such supplementation shall henceforth be an amount not to exceed in any one fiscal year the lesser of (a) an amount which when added to the revenues to be derived from the facilities will be sufficient to meet the annual operating expenses of the facilities and to provide for the payments required to be made into the Bond and Interest Sinking Fund established for the benefit of the Bonds in subsection (b) of Section 5.02 of the Original Resolution, or (b) $1,220,000 plus such additional sums as may be specified in any other resolution supplemental to the Resolution as supplemented hereby, creating or authorizing the issuance of additional Bonds.
ARTICLE TWO

1964 Series A and 1964 Series B Bonds and the Issuance Thereof

Section 2.1. Project H and Purpose of Issue of Bonds. The project (hereinafter designated "Project H") to be acquired, constructed, equipped and completed pursuant to this Seventh Supplemental Resolution is described in a general way as:

A residence hall, consisting of two housing buildings and a connecting lounge, to be located at 909 South Fifth Street in Champaign, Illinois, for approximately 465 single graduate students, sometimes known as Graduate Residence Halls #3; plus acquisition by purchase of eight improved properties located on Fifth Street and Chalmers Street, immediately south of Graduate Residence Halls #3, to be used as student residence halls and apartments for approximately 68 students.

The estimated cost of said Project H is $4,100,000 exclusive of land on which Graduate Residence Halls #3 is to be located. The estimated cost of each portion of said Project H is more fully set forth in the plans and specifications therefor on file with the Comptroller of the University.

It is hereby determined that in order to produce the funds necessary to construct and equip Project H that the University borrow the sum of $4,100,000 and in evidence thereof to issue its Housing Revenue Bonds hereunder in said principal amount.

All redemptions shall be made in the manner, upon the notice, and with the effect provided in Article Three of the Original Resolution, provided that if registered 1964 Series A Bonds and 1964 Series B Bonds without coupons are to be redeemed in part only, such redemption shall be made in amounts of $5,000 or a multiple thereof and in selecting Bonds for redemption by lot the Trustee shall make such selection in such manner as may be deemed by it proper to the end that all 1964 Series A Bonds and 1964 Series B Bonds remaining outstanding after giving effect to such partial redemption shall be in denominations of $5,000 or multiples thereof.

Section 2.2. Terms of 1964 Series A Bonds and 1964 Series B Bonds. There is hereby created and authorized two additional series of Bonds to be issued under the Resolution as supplemented by this Seventh Supplemental Resolution to be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Four Million One Hundred Thousand Dollars ($4,100,000) at any one time outstanding, One Million Four Hundred Forty Thousand ($1,440,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1964, Series A" (hereinafter called "1964 Series A Bonds") and Two Million Six Hundred Sixty Thousand ($2,660,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1964, Series B" (hereinafter called "1964 Series B Bonds").

The 1964 Series A Bonds and the 1964 Series B Bonds shall be issued as negotiable coupon Bonds dated April 1, 1964, registrable as to principal in the denomination of $5,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to October 1, 1964, in which case they shall be dated April 1, 1964. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons shall be numbered in such manner satisfactory to the Trustee as may be designated by the Comptroller and shall be issued in denominations of $5,000 or multiples thereof, shall bear interest from April 1, 1964, payable semiannually on the first days of April and October in each year until paid, commencing October 1, 1964, at the rates provided below and shall mature in the following amounts on October 1 of the following years:
### 1964 Series A Bonds

<table>
<thead>
<tr>
<th>Year of Maturity</th>
<th>Amount</th>
<th>Interest Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1966</td>
<td>$20,000</td>
<td>334%</td>
</tr>
<tr>
<td>1967</td>
<td>20,000</td>
<td>334%</td>
</tr>
<tr>
<td>1968</td>
<td>30,000</td>
<td>334%</td>
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<tr>
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<td>1975</td>
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<tr>
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<td>334%</td>
</tr>
<tr>
<td>2003</td>
<td>150,000</td>
<td>334%</td>
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</table>

### 1964 Series B Bonds

<table>
<thead>
<tr>
<th>Year of Maturity</th>
<th>Amount</th>
<th>Interest Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1964</td>
<td>$40,000</td>
<td>334%</td>
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<td>1965</td>
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<td>140,000</td>
<td>334%</td>
</tr>
<tr>
<td>2003</td>
<td>150,000</td>
<td>334%</td>
</tr>
</tbody>
</table>

The 1964 Series A Bonds and the 1964 Series B Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on April 1, 1974, or on any interest payment date thereafter in the inverse order in which they mature at the principal amount thereof plus accrued interest to the date of redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<table>
<thead>
<tr>
<th>Period of Redemption</th>
<th>Applicable Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 1, 1974 through October 1, 1978</td>
<td>4%</td>
</tr>
<tr>
<td>April 1, 1979 through October 1, 1983</td>
<td>3%</td>
</tr>
<tr>
<td>April 1, 1984, through October 1, 1988</td>
<td>2%</td>
</tr>
<tr>
<td>April 1, 1989 through October 1, 1993</td>
<td>1 1/2%</td>
</tr>
<tr>
<td>April 1, 1994 through October 1, 1998</td>
<td>1%</td>
</tr>
<tr>
<td>April 1, 1999 or thereafter prior to maturity</td>
<td>None</td>
</tr>
</tbody>
</table>

All redemptions shall be made in the manner, upon the notice, and with the effect provided in Article Three of the Original Resolution.

**SECTION 2.3. Payment of Principal and Interest.** Both the principal of and the interest on the 1964 Series A Bonds and the 1964 Series B Bonds shall be payable in any coin or currency which, on the respective date of payment of such
principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, or its successor, in the City of Chicago, Illinois, or, at the option of holders at The Chase Manhattan Bank, or its successor, in the Borough of Manhattan and City and State of New York.

SECTION 2.4. Form of Bonds. The definitive coupon Bonds of 1964 Series A and 1964 Series B, the interest coupons to be attached thereto, and the form of fully registered Bonds without coupons of 1964 Series A and 1964 Series B, shall be in substantially the following form with appropriate insertions, omissions and variations to evidence differences in type of bond, series, number, denomination, interest rate, maturity and like matters:

(Form of Coupon Bond)

UNITED STATES OF AMERICA
STATE OF ILLINOIS
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS HOUSING REVENUE BOND OF 1964
(Series ............)

Number............................... $5,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Housing Revenue Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of FIVE THOUSAND DOLLARS ($5,000), on October 1, 19......, and to pay interest on said sum from the date hereof until paid at the rate of .......... per cent (........%) per annum, payable October 1, 1964, and semiannually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of ......................... Dollars ($..............) principal amount of Housing Revenue Bonds of 1964 Series ......., which together with the 1964 Series ......., Bonds constitute an issue of Four Million One Hundred Thousand Dollars ($4,100,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First through Seventh Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, October 17, 1962, and February 19, 1964, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of construction and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on April 1, 1974, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: Four per cent (4%) of the principal amount thereof if redeemed April 1, 1974 through October 1, 1978; three per cent (3%) of the principal amount thereof if redeemed April 1, 1979 through October 1, 1983; two per cent (2%) of the principal amount thereof if redeemed April 1, 1984 through October 1, 1988; one and one-half per cent (1½%) of the principal
amount thereof if redeemed April 1, 1989 through October 1, 1993; one per cent (1%) of the principal amount thereof if redeemed April 1, 1994 through October 1, 1998; and without premium if redeemed April 1, 1999 or thereafter.

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1963, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of $1,220,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Trustees in Chicago, Illinois, such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made only to the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer hereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, the Trustee, and any paying agent may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to
principal only in the denomination of $5,000 and as registered bonds without coupons in the denomination of $5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66⅔%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of April, 1964.

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

Attest: .............................. ..............................
Secretary

By: ........................................ ..............................
President

.............................. ..............................
Member

.............................. ..............................
Member
The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of ______________ Dollar ($____________) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York, as provided in the Housing Revenue Bond of 1964, Series ____, dated April 1, 1964, Number ______________.

Secretary

President

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS HOUSING REVENUE BOND OF 1964

(Series __________)

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Housing Revenue Bond Fund as hereinafter provided for, and not otherwise) to ______________, or registered assigns, on October 1, 19____, the principal sum of ______________ Dollars ($____________) and to pay interest thereon (which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the Trustee hereinafter mentioned as Bond Registrar), at the rate of ______________ per cent (_______% per annum, payable October 1, 1964, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of ______________ Dollars ($____________) principal amount of Housing Revenue Bonds of 1964, Series __________, which together with the 1964 Series ______ Bonds constitute an issue of Four Million One Hundred Thousand Dollars ($4,100,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First through Seventh Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, May 17, 1961, May 24, 1962, October 17, 1962, and February 19, 1964, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of construction and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this Series are redeemable prior to maturity as a whole or in part on April 1, 1974, or on any interest payment date thereafter in the inverse
order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium, if any, as follows: four per cent (4%) of the principal amount thereof if redeemed April 1, 1974 through October 1, 1978; three per cent (3%) of the principal amount thereof if redeemed April 1, 1979 through October 1, 1983; two per cent (2%) of the principal amount thereof if redeemed April 1, 1984 through October 1, 1988; one and one-half per cent (1½%) of the principal amount thereof if redeemed April 1, 1989 through October 1, 1993; one per cent (1%) of the principal amount thereof if redeemed April 1, 1994 through October 1, 1998; and without premium if redeemed April 1, 1999 or thereafter.

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1963, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of $1,220,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and shall be transferable by the registered owner at the principal office of the Trustee in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution, upon payment of the transfer charges therein prescribed. The Board of Trustees of the University of Illinois, the Trustee and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal in the denomination of $5,000 and as registered bonds without coupons in the denomination of $5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of
Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66\(\frac{2}{3}\)% in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its secretary, and this bond to be dated as the 1st day of

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

Attest: ............................................................

Secretary

By ............................................................

President

Member

Member

ARTICLE THREE

MISCELLANEOUS

SECTION 3.1. Application of Bond Proceeds. The Board of Trustees hereby determines that Project H will become revenue producing on or about September 30, 1965 and therefore that portion of the proceeds of the 1964 Series A Bonds and 1964 Series B Bonds representing the interest accrued on such Bonds to the
date of payment therefor shall, together with an amount equal to the interest to
accrue on such Bonds through September 30, 1965, be deposited with the Trustee
in the Bond and Interest Sinking Fund account as required by Section 6.01 of the
Resolution.

The balance of said proceeds of the 1964 Series A Bonds and 1964 Series B
Bonds shall, as required by Section 6.01 of the Resolution, be deposited in a bank
or banks which are members of the Federal Deposit Insurance Corporation and
shall be accounted for as one or more separate funds. The application of the
funds in such accounts and the disposition thereof shall in all respects comply
with all the terms and provisions of Article Six of the Resolution, subject to the
terms and provisions of any contract or agreement permitted by or contemplated
in said Article Six between The Board of Trustees and any original purchaser
of such Bonds.

Notwithstanding the provisions of Section 2.08 of the Original Resolution the
University may, in addition to any other charges permitted to be made upon the
exchange or transfer of bonds, charge to the holders of any fully registered 1964
Series A Bonds and 1964 Series B Bonds presented for exchange for coupon
Bonds, the actual costs of printing new coupon Bonds for the purpose of making
such exchange. However, 1964 Series A Bonds and 1964 Series B Bonds origi-
nally issued in fully registered form at the time of initial delivery thereof may be
exchanged without charge for coupon Bonds by the initial purchaser of such
Bonds.

SECTION 3.3. Interpretation and Construction. This Seventh Supplemental
Resolution is supplemental to and is adopted in accordance with Sections 2.06
and 4.02 of the Resolution. In all respects not inconsistent with this Seventh
Supplemental Resolution, the Resolution is hereby ratified, approved and con-
formed, and all of the definitions, terms, covenants and restrictions of the
Resolution shall be applicable to the additional Bonds authorized by this Seventh
Supplemental Resolution and the proceeds thereof except as otherwise expressly
provided. All of the terms and provisions of this Seventh Supplemental Resolution
shall be deemed to be part of the terms and provisions of the Resolution, and
the Resolution and this Seventh Supplemental Resolution shall be read, taken
and construed as one and the same instrument. In executing or authenticating
any Bond authorized by this Seventh Supplemental Resolution the Trustee and
each officer, agent or employee of the University shall be entitled to all of
the privileges and immunities afforded to them under the terms of the Resolution.

SECTION 3.4. Resolution Effective on Passage. This Resolution shall become
effective upon its passage.

CONTRACTS FOR CONSTRUCTION OF SINGLE GRADUATE
RESIDENCE HALLS, UNIT 3
(24) The Director of the Physical Plant and the Vice-President and Comptroller
recommend awards of contracts for construction of the third unit of the Single
Graduate Student Residence Halls, to be located on the north side of Chalmers
Street and the west side of Fifth Street in the block bounded by Chalmers, Fifth,
Daniel, and Fourth Streets, the award in each case being to the lowest bidder:
General—McCarthy Bros. Construction Company, St. Louis, Missouri $2 095 934
Base bid ........................................... $2 154 949
Additive alternate for service charge for assignment
of other contracts to the general contractor...... 17 000
Deductive alternates for:
Deletion of exterior window washing and wall
maintenance staging and equipment............. − 5 500
Substituting vinyl asbestos tile for carpeting in
corridors in dormitory units.................... − 17 400
Substituting concrete block partitions for plastered
walls in dormitory units........................ − 4 250
Substituting wood double hung windows for stain-
less steel windows................................ − 48 865
Electrical—Leverenz Electric Company, Inc., Danville........ $ 268 066
Deductive alternate for deletion of bed lights..... − 12 791
Plumbing — R. H. Bishop Company, Champaign. 344 385
Heating, Piping, and Refrigeration — R. H. Bishop Company, Champaign. 327 385
Ventilation — R. H. Bishop Company, Champaign. 51 243
Temperature Control — Powers Regulator Company, Skokie. 56 000
Thermal Insulation — General Insulation, Inc., East Peoria. 55 499
Total. $3 185 721

It is recommended that a combined contract be awarded to R. H. Bishop Company, Champaign, in the amount of $723,013, being the total of the amounts bid by that Company on the plumbing, heating, piping, and refrigeration, and ventilation work.

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract $3,185,721; and it is further recommended that an agreement be entered into with McCarthy Bros. Construction Company, St. Louis, Missouri, for the assignment of these other contracts for $17,000, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds will be available from proceeds of revenue bonds to finance the construction of these halls, which are being sold today.

Submitted herewith is a report from the Physical Plant on this project, including a schedule of all bids received, copies of which are being filed with the Secretary of the Board for record.

I concur in these recommendations.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

DEGREES CONFERRED IN FEBRUARY, 1964

The Secretary presented for record the degrees conferred as of February 10, 1964, on recommendation of the Urbana-Champaign Senate and by authority of the Board of Trustees.

Summary

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy. 112
Doctor of Education. 5
Doctor of Musical Arts. 1
Master of Arts. 57
Master of Science. 243
Master of Music. 10
Master of Education. 55
Master of Fine Arts. 1
Master of Accounting Science. 2
Master of Architecture. 5
Master of Extension Education. 1
Advanced Certificate in Education. 5
Total, Graduate College. (497)

Degrees in Law, conferred at Urbana:

Bachelor of Laws. 11

Degrees in Veterinary Medicine, conferred at Urbana:

Bachelor of Science. 3

Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture. 62
Bachelor of Science, College of Engineering. 308
Bachelor of Arts, College of Liberal Arts and Sciences. 161
Bachelor of Science, College of Liberal Arts and Sciences. 111
Bachelor of Science, College of Education................................. 80
Bachelor of Science, College of Commerce and Business Administration.. 131
Bachelor of Science, College of Journalism and Communications.......... 18
Bachelor of Architecture, College of Fine and Applied Arts.............. 35
Bachelor of Fine Arts, College of Fine and Applied Arts.................. 26
Bachelor of Music, College of Fine and Applied Arts...................... 5
Bachelor of Science, College of Fine and Applied Arts.................... 5
Bachelor of Science, College of Physical Education....................... 38

Total, Baccalaureate Degrees............................................... (980)
Total, Degrees Conferred at Urbana........................................ 1491

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Accountancy
Orville Russell Keister, Jr., B.S., M.B.A., Ohio State University, 1958, 1959
Sybil Lenora Collins Mobley, A.B., Bishop College, 1945; M.B.A., University of Pennsylvania, 1961
John William Wagner, B.S., A.M., University of Maryland, 1956, 1961

In Aeronautical and Astronautical Engineering
Henry George Timmer, B.S., M.S., 1959, 1961

In Agronomy
Theodore Ching-Teh Hsiao, B.S., Cornell University, 1955; M.S., University of Connecticut, 1960
Robert John Lambert, B.S., M.S., University of Minnesota, 1952, 1958
Dean George Swan, B.S., M.S., University of Wyoming, 1952, 1954

In Animal Nutrition
Henry John Adam Likuski, B.S., M.S., University of Alberta, 1958, 1959

In Botany
Daisy Tupas Boquiren, B.S., University of the Philippines, 1958

In Business
Wayne Allan Meinhart, B.S., M.S., 1954, 1959
Howard Lowell Miller, A.B., Northwest Nazarene College, 1953; M.S., University of Wyoming, 1959
Feliksas Palubinskas, B.S., M.B.A., DePaul University, 1957, 1959
Charles Glenn Walters, B.S., M.S., Alabama Polytechnic Institute, 1955, 1957

In Ceramic Engineering
Kaiissar Menassa Hanna, B.S., M.S., University of Cairo, 1953, 1957

In Chemical Engineering
Richard John Ayen, B.S., University of Wisconsin, 1960; M.S., 1961
Walter Martin Buehl, B.S., Massachusetts Institute of Technology, 1959; M.S., 1961

In Chemistry
Edmund Stephen Berchert, Jr., B.S., Eastern Illinois University, 1958; M.S., 1960
Raymond Clyde Burrows, A.B., Kenyon College, 1957; M.S., 1958
Samir Sami Deer, B.S., American University of Beirut, 1957; M.S., Colorado State University, 1959
Harold Bernard Hayes, A.B., Bellarmine College, 1957; M.S., Georgia Institute of Technology, 1959
Edmund Thompson Holmes, A.B., Coe College, 1959
Leonard Vincent Interrante, A.B., University of California (Riverside), 1960
Joyce Ann Stair McMillan, B.S., University of Arkansas, 1959; M.S., 1961
Fredrick Louis Minn, A.B., 1957
Yorke Edward Rhodes, Jr., B.S., M.S., University of Delaware, 1957, 1959
FRED TIVIN, A.B., Kalamazoo College, 1958; M.S., 1960
DAVID JAMES TRACY, A.B., Villa Madonna College, 1959; M.S., 1961
PAUL TSCHAMPHEL, B.S., M.S., University of Arizona, 1957, 1959
CHRISTEN DANIEL UPPER, B.S., State College of Washington, 1958

In Civil Engineering
MOHAMMED AHMED ABDUL HADY, B.C.E., Ein Shams University, 1956; M.S., 1961
IQBAL ALI, B.S., University of Madras, 1944; B.Eng., Osmania University, 1948; M.S., 1956
WILLIAM BARRY BEDESEM, B.S., Drexel Institute of Technology, 1959; M.S., 1960
ELMER WHITMORE BROOKER, B.S., M.S., University of Alberta, 1955, 1958
HANKA WANDA SOBCZAK CHRYSSAFOPoulos, C.E., M.E. and E.E., University of Rio Grande do Sul, 1951, 1953; M.S., 1954
MORDECHAI HAIM DISKIN, B.Eng., University of Sydney, 1952; M.Sc, Technion, Israel Institute of Technology, 1959
LAURENCE ROBERT HALL, B.S., Queen’s University, 1958; M.S., 1960
BAHR EL-DIN Soubour ISMAIL, B.Sc., Cairo University, 1956; M.S., 1961
JOSE ANTONIO NIETO-RAMIREZ, C.E., National Autonomous University of Mexico, 1959; M.S., 1961
JOHN ASHER REPLLOGLE, B.S., M.S., 1956, 1958

In Communications
DAVID RICHMOND, A.B., M.S., Ohio University, 1947, 1953

In Economics
JOHN DAVID HUFFNAGLE, A.B., A.M., Kent State University, 1957, 1960

In Education
GERALD SCOTT HASTEROK, B.S., M.S., 1952, 1954
GENEVIEVE REITZELL LANGSTON, B.S., Eureka College, 1938; A.M., Teachers College, Columbia University, 1956

In Electrical Engineering
RALPH ST. CLAIR CARSON, B.S., Indiana Institute of Technology, 1945; M.S.E., University of Michigan, 1952
WAI-KAI CHEN, B.S., M.S., Ohio University, 1960, 1961
THYCODAM VARKKEY GEORGE, B.S., University of Madras, 1956; M.S., 1959
JAMES JOSEPH HOGAN, B.E.E., University of Dayton, 1959; M.S., 1961
JOHN RICHARD LEHMANN, B.S., M.S., 1956, 1958
NARESH CHANDRA MATHUR, A.B., University of Delhi, 1955; D.I.I.Sc., Indian Institute of Science, 1958; M.S., 1961
PETER JAMES PONZO, B.A.Sc., A.M., University of Toronto, 1957, 1959
DON WARREN RAIN, B.S., Purdue University, 1958; M.S., University of Connecticut, 1961
MANOEL SOBRAL, Jr., E.E., Technological Institute of Aeronautics (Brazil), 1958; M.S., 1962
HERBERT JOSEPH STEIN, B.S., M.S., 1958, 1959
CARL CHANG-TAO WANG, B.S., M.S., 1958, 1959

In English
FORDYCE JUDSON BENNETT, A.B., Greenville College, 1945; A.M., 1960
THOMAS EDGAR BOYLE, A.B., University of Richmond, 1952; A.M., 1958
PHILIP YATES COLEMAN, B.S., Southern Illinois University, 1952; A.M., 1957
THOMAS BARRY GILMORE, Jr., A.B., A.M., University of Michigan, 1954, 1955
EDWARD RICH LEVY, A.B., Millikin University, 1951; A.M., 1952
DONALD RACKIN, A.B., Rutgers — The State University, 1954; A.M., Columbia University, 1955

In Entomology
COSTAS ALEXANDER KOUSKOLEKAS, Diploma, Aristotelian University of Salonika, 1951; M.S., University of Missouri, 1958

In Finance
LEONARD JAY SANTOW, B.S., M.S., 1957, 1959
WARD THEILMAN, B.S., 1958
BOARD OF TRUSTEES

[February 19

**In Food Science**

Robert Shinnosuke Kittaka, B.S., M.S., 1957, 1959

**In Geology**

Brian Williams Carse, B.S., University of Durham, 1959; M.S., 1962

**In History**

Jacquelin Collins, A.B., A.M., Rice University, 1956, 1959
Erich Hugo Heintzen, Diploma, Concordia Theological Seminary, 1932; A.M., 1947

**In Horticulture**

John Edward Fucik, B.S., M.S., 1949, 1957

**In Marketing**

Ronald Ralph Gist, B.S., M.S., University of Missouri, 1958, 1959
Richard Allen Scott, B.S., 1953; M.B.A., University of Arizona, 1960

**In Mathematics**

Dorothy Ann Bollman, B.S., Eastern Illinois University, 1957; M.S., 1959
Herbert Henry Diekhans, B.S., A.M., University of Alabama, 1950, 1951
Lyle Hicks Lanier, Jr., A.B., A.M., 1956, 1957
Robert Jay Thomas, A.B., Oberlin College, 1952; M.S., Indiana University, 1954; M.S., 1958

**In Mechanical Engineering**

Richard Wayne Adkins, B.S., M.S., 1951, 1959
Leon Walter Florschuetz, B.S., M.S., 1958, 1959
Richard William Heimbuch, B.M.E., Syracuse University, 1959

**In Metallurgical Engineering**

Donald Robert Beam, B.S., M.S., 1958, 1961
John Richard Parsons, B.A.Sc., University of Toronto, 1958; M.S., 1960
Edward Charles van Reuth, B.S., M.S., Virginia Polytechnic Institute, 1955, 1960

**In Microbiology**

Robert Allen Tobey, B.S., Michigan State University, 1959

**In Mining Engineering**

Lawrence Adler, A.B., New York University, 1946; B.S., Columbia University, 1949; M.S., University of Utah, 1953

**In Physical Education**


**In Physics**

Richard Keith Ahrenziel, B.S., M.S., 1959, 1960
Stuart Berman, A.B., University of Pennsylvania, 1958; M.S., 1959
Paul David Goldan, B.S., Massachusetts Institute of Technology, 1955; M.S., 1958
Joseph Carl Hafele, B.S., M.S., 1959, 1960
Kenneth Lee Kliewer, B.S., M.S., University of Minnesota, 1957, 1959
William Lauchlin McMillan, B.S., M.S., University of Arkansas, 1958, 1961
Howard Kent Rockstad, A.B., St. Olaf College, 1957; M.S., 1959
Harry Edward Tomashke, B.S., Michigan State University, 1956; M.S., 1958

**In Physiology**

William Keller Brown, B.S., Louisiana State University and Agricultural and Mechanical College, 1955; M.D., Louisiana State University School of Medicine, 1957
Edward David Lash, B.S., College of the City of New York, 1959; M.S., 1961
In Psychology
Herbert James Clark, A.B., University of Michigan, 1959; A.M., 1961
Donald Joseph Kiesler, A.B., Bellarmine College, 1958
Owen Mallor, B.S., 1952; A.M., Southern Methodist University, 1955

In Sanitary Engineering
Lloyd Roosevelt Robinson, Jr., B.S., M.S., University of Kansas, 1953, 1958

In Sociology
Henry George Bobotek, B.S., A.M.(Statistics), A.M.(Sociology), 1951, 1957, 1958

In Spanish
Florence Lillian Yudin, A.B., Brooklyn College, 1958; A.M., 1960

In Speech
Prentice Avery Meador, Jr., A.B., David Lipscomb College, 1960; A.M., 1961

In Theoretical and Applied Mechanics
Walter Rosamond Carnes, B.A.E., M.S., Georgia Institute of Technology, 1949, 1954
Edward Dewitt Gurley, B.M.E., M.S., North Carolina State College of the University of North Carolina (Raleigh), 1957, 1960
Darrell Delano Penrod, B.S., Northwestern University, 1959; A.M., Washington State University, 1961

In Veterinary Medical Science
Ralph David McQueen, B.S., D.V.M., 1952, 1954

In Zoology
Peter Stanley Chrapliwy, A.B., A.M., University of Kansas, 1953, 1956
Thomas Cyril Jegla, B.S., Michigan State University, 1958; M.S., 1960
Iyad Abdul Wahab Nader, Licence, Higher Teachers College (Iraq), 1954; M.S., 1958
Dwain William Parrack, A.B., Texas Technological College, 1950; M.S., University of New Mexico, 1956

Degree of Doctor of Education

In Education
Arsene Ocenius Boykin, B.Ed., Chicago Teachers College, 1942; A.M., University of Chicago, 1950
Thomas Franklin Hull, B.S., M.S., Purdue University, 1951, 1957
Frank Victor Sullivan, B.S., Friends University, 1953; A.M., Colorado State College, 1957

In Music Education
Martha Pearman, B.S., Indiana State Teachers College, 1939; M.Mus., Northwestern University, 1943

Degree of Doctor of Musical Arts
Ralph Woodward, B.S., University of Idaho, 1940; M.Mus., Cincinnati Conservatory of Music, 1948

Degree of Master of Arts

In Art Education
Rosemary Gahan Mah, B.S., Nazareth College, 1961

In Dance
Janet Sue Chiles, A.B., Lake Erie College, 1959
Joan Skinner Shotwell, A.B., Bennington College, 1946
In Economics
Michael Carl Barth, A.B., State University of New York Harpur College, 1962
Delmar Gene Good, A.B., Goshen College, 1962
Thomas J. Ising, B.S., Massachusetts Institute of Technology, 1962
Leon Ledyard Tucker, A.B., Oberlin College, 1962

In Education
Sybil Baltis Carlson, B.S., Northern Illinois University, 1960
Marriner David Merrill, A.B., Brigham Young University, 1961

In English
Judith Lang Kutcher, A.B., 1962
Frank David Leone, A.B., City College of New York, 1962
Joanne Elizabeth Minnis, A.B., Kent State University, 1962
Margaret Lynn Neumann, A.B., North Texas State University, 1962
Mary Kehoe Wagner, B.S., University of Wisconsin, 1959

In French
Shirley Ann Pope, A.B., University of Chatanooga, 1961

In Geography
Raymond Warren Waxmonsky, B.S., University of Idaho, 1960

In German
Vida Angele Tamosiunas, A.B., 1961

In History
Dominic Lawrence Candeloro, A.B., Northwestern University, 1962
Allan Carl Greenberg, A.B., Cornell University, 1962
Elaine Kruse Kuehn, A.B., Augustana College, 1962
David Edward Meese, A.B., Doane College, 1961
Richard Leroy Saunders, Jr., A.B., Northwestern University, 1962
Donald Eugene Shepardson, B.S., Eastern Illinois University, 1961

In Labor and Industrial Relations
Yoshitaka Fujita, A.B., Keio University, 1955
Thomas Edward Lewis, A.B., Blackburn College, 1962
Earl Keith Madsen, A.B., University of Wyoming, 1960
Yukitaka Tobari, B.Econ., University of Tokyo, 1956

In Latin
George Henry Berkhofer, A.B., University of Michigan, 1961
Stanford Edward Cashdollas, Jr., A.B., University of Tennessee, 1962

In Linguistics
Lawrence Elwayne Nogle, B.S., 1963

In Mathematics
David Harry Johnson, A.B., Augustana College, 1962
Patricia Eleanor Joyce, A.B., Hunter College of the City of New York, 1962
Robert Reed McConnell, A.B., Lawrence College, 1962
Glen Dale Meeden, A.B., Eastern Baptist College, 1962
Michael Benjamin Price, A.B., 1963
Roberta Arlene Stillman, A.B., Cornell University, 1962
Ronald Clyde Weger, A.B., William Jewell College, 1962

In Political Science
Mack Henry Jones, A.B., Texas Southern University, 1962
Edwin Philip Morgan, A.B., Southern Methodist University, 1962
Richard Ambrose Wilkey, A.B., North Central College, 1962
In Portuguese

FREDRIC ISHAM SCHEON, A.B., 1962

In Psychology

MICHAEL STUART BLACK, A.B., Johns Hopkins University, 1958
ROBERT LEE LINN, A.B., University of California (Los Angeles), 1961

In Russian

FREDERICK DANIELS THAYER III, A.B., 1962

In Social Sciences

DAVID MARVIN MARTIN, A.B., Augustana College, 1961
GEORGE FREDERICK PINNEY, B.S., Iowa State University, 1949

In Spanish

SYLVIA JEAN BRANN, B.S., Kansas State College (Pittsburg), 1959
ROBERT EUGENE CALVIN, A.B., University of North Carolina, 1952
GARY EUGENE A. SCAVNICKY, A.B., Youngstown University, 1962
ELIZABETH FRANCES SENICKA, A.B., Miami University, 1962
GRACE TOMOKO TOGASHI, A.B., College of Puget Sound, 1962
FRANK BLAIR WILCOX, B.S., Utah State University, 1961

In Speech

ILONA KUTAS GERBNER, A.B., 1963
HOWARD ALLAN HOFFMAN, A.B., Milton College, 1962
JOYCE ILENE MCCURLEY, B.S., 1962
FRANKIE CLAIRE OWEN, A.B., Mississippi Southern College, 1961

Degree of Master of Science

In Accountancy

GEORGE HENRY BRIESKE, B.Ed., Wisconsin State College (Whitewater), 1958
JOHN LAVERNE DAWSON, A.B., Southern Illinois University, 1953
WILLARD JOHN DEFilIPPS, B.S., 1963
ABBAS MAHDY EL-SHERAZY, B.Com., Cairo University, 1957
HESHAM KHATIB, A.B., Damascus University, 1960
TSANG ZENG SHAW, A.B., National Taiwan University, 1955
WISAHN TENGAMNUAY, B.Com., Higher Diploma (Accountancy), LL.B., University of Thammasat (Thailand), 1953, 1955, 1956

In Aeronautical and Astronautical Engineering

ALBERT GEORGE BENNETT, JR., B.S., Mississippi State University of Agriculture and Applied Science, 1959
ROBERT LEE BROWN, B.S., 1962
RICHARD EUGENE GARDNER, B.S., 1960
ALLEN DANA HARPER, B.S., 1956
BALKIR SINGH, B.S., 1961

In Agricultural Economics

EARL CLAYTON BANTZ, B.S., 1940
RICHARD ALLEN GILLILLAN, B.S., 1962
BENGST STURE HARALD GUSTAFSSON, B.S., Royal Agricultural College, 1956
DAULAT SINGH, B.S., M.S., Agra University, 1954, 1956

In Agricultural Engineering

ALVIN CORNELL BAILEY, B.S., Michigan State University, 1962

In Agronomy

RICHARD HOWARD ANDERSEN, B.S., University of Maryland, 1956
EDWARD JEROME ENGELERTH, JR., B.S., University of North Dakota, 1958
DAVID MAURICE PETERSON, B.S., University of California (Davis), 1962

In Animal Science

ALVIN LEO MELIERE, B.S., 1961
RATAN HORMUSJI SAGAR, B.V.Sc., University of Bombay, 1954

In Architectural Engineering

RICHARD ARTHUR DEVINE, B.Arch., 1963
ROBERT LEE-LING YUAN, B.S., Taiwan Provincial Cheng Kung University, 1960

In Astronomy

GARY CHARLES GOODMAN, B.S., California Institute of Technology, 1960
LEONARD SCHUSTERMAN, B.S., Drexel Institute of Technology, 1961
LEO VERN STANDEFO RD, B.S., M.S., Indiana State Teachers College, 1958, 1959

In Biology

SHARON ANN SITCH, A.B., North Dakota State Teachers College (Minot), 1962

In Botany

IRIS DALE CHARVAT, B.S., 1963
JUDITH ALICE LESN A W, B.S., 1962
LOUISA YANG, A.B., College of Notre Dame (Maryland), 1961

In Chemical Engineering

DAVID VERNON BOGER, B.S., Bucknell University, 1961
PAUL DENNIS HASS, B.S., University of Wisconsin, 1958
WILLIAM TERRY MITCHELL, B.S., University of California (Berkeley), 1962
WILLIAM OLIVER PARADIS, B.S., University of California (Berkeley), 1962

In Chemistry

CHARLES TAFT BAKER, A.B., Southern Illinois University, 1961
MICHAEL THOMAS BOWERS, B.S., Gonzaga University, 1962
JERRY BOB BRAMMER, A.B., North Texas State University, 1962
ANNA DMITRENO K, A.B., State University of New York Harpur College, 1961
(Posthumously)

DAVID ALAN DURAND, B.S., Wheaton College (Illinois), 1962
ROBERT HICKS FEIERTAG, A.B., Monmouth College, 1961
BARBARA NEWMAN FISHER, B.S., Juniata College, 1962
RICHARD LEROY FISHER, B.S., Juniata College, 1961
DAVID WEBB HERLOCKER, A.B., Knox College, 1962
RONALD LEWIS KEENER, B.S., Virginia Polytechnic Institute, 1962
CATHERINE BARBARA SAVAGE, B.S., Creighton University, 1959
RICHARD SCIOR TREP TOW, A.B., Blackburn College, 1962
MARK LEROY UNLAND, A.B., MacMurray College, 1962
YUNG-HSIU CHEN WANG, B.S., Taiwan Provincial Cheng Kung University, 1960
OTTO RALF WEINERT, Chemist-Pharmacist, University of Chile, 1948
MATTHEW RONALD YUNASEA, A.B., Thiel College, 1962

In Civil Engineering

ROLANDO AGUILAR-GONZALEZ, C.E., National University of Mexico, 1959
CHARAN BURAPHRATANA, B.S., M.S., Chulalongkorn University (Thailand), 1960, 1962
LIU-MING CHOU, B.S., Taiwan Provincial Cheng Kung University, 1960
ROBERT EVANS CRAWLEY, B.S., Purdue University, 1960
RONALD WALTER DRUCKER, B.C.E., Cooper Union, 1962
ARNOLD STUART FEINBERG, B.S., 1962
RAYMOND WILLIAM HAAG, B.S., University of Manitoba, 1961
JUDITH LAVINTA HAMILTON, A.B., Smith College, 1961
JAGADISH RAMACHANDRA JOSHI, B.Eng., Gujarat University, 1959; M.Eng., University of Roorkee, 1960
MICHAEL LEE KIFER, B.S., 1962
DENNIS JOHN LEARY, B.S., Northeastern University, 1962
DARELL GEORGE LOHMEIER, B.S., 1962
JOHN BOHAN O'SHEA, B.S., 1962
MOHAMMAD HOSEIN PAZAND, C.E., Teheran University, 1960
RICHARD ERNST PINCKERT, B.S., Washington University, 1962
MAYNARD ALFRED ALOYSIUS PLAMONDON, B.S., University of New Hampshire, 1962
KEITH EDWARD ROBINSON, B.A.Sc., University of British Columbia, 1962
ERROL DAVID RODDA, B.S., M.S., 1951, 1960
HAROLD ERNST RUTENSCHROER, Jr., B.S., University of Tennessee, 1962
GERARD SAKAMOTO, B.S., University of Hawaii, 1962
MUTHUSWAMY SHANMUGAM, B.Eng., University of Madras, 1960
NAKIL ANDALLA SHOEB, B.Eng., Cairo University, 1960
JAMES WILLIAM STURROCK, B.S.E., University of Michigan, 1958
TA-SHEN SU, B.S., Taiwan Provincial Cheng Kung University, 1961
NGUYEN THANH TOAN, Diploma, National Technical Center (Viet Nam), 1962
ROBERT SHU-CHIANG WANG, B.S., Taiwan Provincial Cheng Kung University, 1959
GUENTHER OTTO WILHELM, B.C.E., City College of New York, 1962
CHAROEN WONGPRECHA, B.Eng., Chulalongkorn University (Thailand), 1962
KHACHORNSAKDI WONGPRECHA, B.Eng., Chulalongkorn University (Thailand), 1962
MANUEL XANTHAKIS, B.S., 1961

In Commercial Teaching

GEORGE HENRY WIEMERS, B.S., Western Illinois University, 1961

In Dairy Technology

JOSEPH ALBERT OHREN, B.S., 1959

In Economics

HAMDY HESSIEN HESSIEN APIFI, B.Com., Cairo University, 1950
ROGER JEFFERY GREEN, B.S., 1962

In Education

SALLY MCCOY, B.S., College of the City of New York, 1948

In Electrical Engineering

KENNETH LOUIE BAKER, B.S., 1961
WALTER BARONIAN, B.S., 1963
ALLAN JOEL BROCKSTEIN, B.S., 1963
JAMES WALTER CARLIN, B.S., Illinois Institute of Technology, 1962
GARY WAYNE CHESNEY, B.S., 1963
GABRIEL CUERVO-SALCEDO, B.S., 1963
ROBERT THOMAS DALY, B.E.E., Marquette University, 1963
EDWARD RONALD DORNSEIF, B.S., 1963
JOHN JOSEPH GORDON, B.M.E., General Motors Institute, 1961
THEODORE WILLIAM JOHNSON, B.S., 1962
CHESTER GEORGE JONES, B.M.E., Syracuse University, 1960
SHUNG-WU LEE, B.S., Taiwan Provincial Cheng Kung University, 1961
JOHN ALLAN LEHNER, B.S., 1963
TADAO MURATA, Graduate, Tokai University, 1962
ANDREW RICHARD NEUREUTHER, B.S., 1963
YOKISHWAR KUMAR PURI, A.B., Panjab University, 1956; B.S.(Electrical Engineering), Benares Hindu University, 1960
EDWARD SESTAK, B.S., 1963
RICHARD ALAN WOERNER, B.S., University of Missouri School of Mines and Metallurgy, 1962

In Entomology

JANINA WOJCIECHOWSKA, B.S., 1961

In Finance

ROBERT THOMAS BOLING, B.S., 1963
KENNETH MICHAEL STEVENS, B.S., 1962

In Home Economics

MARY JUDITH STALDER, B.S., University of California (Davis), 1961

In Home Economics Education

KAREN LEE BOSSERT ROBERTS, B.S., 1961

In Horticulture

JACK WILLARD BUXTON, B.S., 1962
In Library Science
ROBERT KENT HIRST, A.B., University of Kansas, 1962
HELEN SCRUGGS HORVATH, A.B., Washington University, 1953; A.M., 1957
WAN-WAN JERG, B.S., National Taiwan University, 1955
ANNA HENDERSON LAVATELLI, A.B., Scripps College, 1938
CLAYTON MARTIN MILLER, Jr., A.B., 1962
BAIBA PAULINS, A.B., 1962
MAHLON NEALE FETSON, A.B., Augustana College, 1962
TERESA BARABADA QUIAMBAO, B.S., University of Santo Tomas, 1960
ANNELE GISELA ROSENBERG, A.B., 1963
NANCY YOCHUM STEPHENS, B.S., 1962
CHIEKO TACHIHATA, A.B., University of Hawaii, 1958
MARIA WHITE TARBAH, A.B., Saint-Mary-of-the-Woods College, 1957
SOLEIMAN MOHAMMAD TARBAH, A.B., 1962
THOMAS LARRY WELCH, A.B., Sacramento State College, 1962
PENG YAO, A.B., A.M., National Chengchi University, 1949, 1958; M.S., Southern Illinois University, 1962

In Management
JON DAVID CHARLESTON, A.B., Colorado College, 1953
JOHN THOMAS COUGHLIN, A.B., Marquette University, 1962

In Marketing
NESSIM YANNI NASSIM, B.Com., Cairo University, 1958
JOHN FREDERICK TROST, B.S., 1962

In Mathematics
STUART HARRY ANDERSON, B.S., Illinois Institute of Technology, 1954
GARY NELSON BALDWIN, B.S., Bowling Green State University, 1961
JEFFERY MACKENZIE COOPER, A.B., Haverford College, 1962
THOMAS ANDREW HANNULA, B.S., 1962
THOMAS JOHN Kearns, B.S., University of Santa Clara, 1962
DONALD FRANK KOENIG, B.S., 1956
CHI YEUNG LO, B.S., University of Hong Kong, 1960
Elio Marzullo, B.S., 1960
CHARLES WILLIAM NEVILLE, B.S., Yale University, 1962
ROBERT KEVIN RICE, B.S., 1962
JAMES ALLEN SCHEPPER, B.S., 1958
JOHN LOUIS SCHUDEL, A.B., St. Joseph's College (Indiana), 1962
YOUNG KUK SHIN, B.S., Korean Military Academy, 1960
WILLIAM DALY SKEES, A.B., St. Benedict's College, 1961
DANIEL BENSON TEMPLE, B.S., Louisiana Polytechnic Institute, 1962
MARK YIN AN NANG, B.S., University of Michigan, 1962
JAMES ALLEN WED, A.B., College of Idaho, 1960

In Mechanical Engineering
ALBERT SAGE BOYERS, B.S., Purdue University, 1962
TRAN KIEM CANH, Diploma, National Technical Center (Viet Nam), 1962
RONALD KEE YOUNG CHAO, B.S., University of Tokyo, 1962
GERALD McKEE COLLVER, B.S., Bradley University, 1962
DAVID FRANK CONDE, B.S., Ohio University, 1959
ALLEN JAMES EBENS, B.S., Bradley University, 1962
WILLIAM DONALD FISCHER, B.S., 1963
JAMES GILL FREYDER, B.S., 1956
DONALD STANLEY HANSEN, B.S., Newark College of Engineering, 1957
FREDERICK WILLIAM HECKENKAMP III, B.S., 1957
DAO KIM, Diploma, National Technical Center (Viet Nam), 1962
KRAJHIT LAPCHAROEN, B.S., Chulalongkorn University (Thailand), 1960
DONALD KERSHAW LAWRENCE, B.S., 1962
LOYD LOUIS LEHN, B.S., 1962
JAMES WESTON MASSEY, B.S., 1963
ROY WALTER MICHEL, B.M.E., Rensselaer Polytechnic Institute, 1962
ALGIS ALLAN TIRVA, B.S., 1959
In Metallurgical Engineering

JOSEPH MORTIMER GILKISON, B.S., 1963
ROBERT ALAN HOFFMAN, B.Met.E., New York University, 1961
CH’I-FAN LIN, B.S., Tunghai University, 1959

In Microbiology

ALICE GILMAN, B.S., 1962
JUDITH DORIS LEVITT, B.S., Brooklyn College, 1962

In Music Education

DALVIN LEE BOONE, B.Mus., Texas Technological College, 1960
GEORGE PAUL GALVAN, B.Mus., Illinois Wesleyan University, 1958

In Nuclear Engineering

KON FONG WALTER LEE, B.S., New York University, 1962
WILLIAM GORDON LUSSIE, B.S., 1962
ROBERT JAMES MULLIN, B.S., Illinois Institute of Technology, 1959
DOUGLAS HOUSTON PETRIE, B.S., Virginia Polytechnic Institute, 1962
ROBERT WARREN ROUSSIN, B.S., University of Missouri School of Mines and Metallurgy, 1962
GENN SAJI, B.S., Yokohama National University, 1961

In Physical Education

ROBERT LEONARD HITCHEN, B.S., 1950
ROBERT KEIG STALLMAN, B.S., Eastern Illinois University, 1962

In Physics

WILLIAM RUSSELL ABEL, B.S., 1962
ROBERT THOMAS ANDREWS, B.S., 1962
ROBERT APRAHAMIAN, A.B., University of California (Berkeley), 1962
MUZAFFER ATAC, Diploma, Ankara University, 1957
KENNETH AVICOLA, B.S., 1963
ROBERT FRANK BASS, B.S., University of Missouri School of Mines and Metallurgy, 1960
RICHARD JOSEPH BECHERER, B.S., Boston College, 1962
MARVIN BLECHER, A.B., Columbia University, 1962
JOHN JOSEPH BOGUTA, A.B., Johns Hopkins University, 1962
THOMAS LYNN BOHAN, B.S., University of Chicago, 1960
RONALD RAY BOURASSA, A.B., Rice University, 1962
RICHARD CHARLES BRANDT, B.S., California Institute of Technology, 1962
RONALD LOUIS CAPELLETTI, B.S., Fairfield University, 1962
JON ROSS CARLSON, B.S., Montana State College, 1962
STEEDMAN EUGENE CARY, B.S., University of Colorado, 1961
JOEL ALAN COHEN, A.B., Harvard University, 1962
GEORGE EDWARD DANIELSON, JR., B.S., Principia College, 1961
MICHAEL FAIMAN, A.B., Peterhouse (Cambridge), 1956
WAYNE ROBERT FENNER, B.S., University of California (Berkeley), 1962
ALAN GORDON, B.S., Illinois Institute of Technology, 1962
DONALD FRANK GRETHER, A.B., Miami University, 1962
WILLIAM VERNE HASSENZAHL, B.S., California Institute of Technology, 1962
JON THOMAS HOLDER, B.S., Lamar State College of Technology, 1962
FLOYD ALLEN HUMMEL, A.B., Cornell University, 1963
HERBERT INHABER, B.S., McGill University, 1962
JEFFREY LANNNIN, B.S., Purdue University, 1962
GARY HAMILTON LUNSFO RD, B.S., Duke University, 1962
TED MAR, B.S., University of British Columbia, 1962
JOSE EVANGELISTA DE CARVALHO MOREIRA, Graduate, Ceara University, 1960
THOMAS RAY OSBORN, A.B., 1963
JUAN RUBIO-BERNAL, Licenciatura, Madrid University, 1960
TRUMAN CLIFFORD RUTT, B.S., Northern Illinois University, 1959
PETER FRANK SCHULTZ, B.S., University of Wisconsin, 1962
KIN SEIN, B.S., 1962
1068  BOARD OF TRUSTEES  [February 19

Benjamin Marvin Smith, B.S., Georgia Institute of Technology, 1962
Robert Alan Troester, A.B., University of Michigan, 1962
Lynn James Verhey, A.B., Kalamazoo College, 1962
William Henry Weihofen, B.S., California Institute of Technology, 1962
George Thomas Wenning, B.S., University of Notre Dame, 1962
Jerald Jean Wray, B.S., Kansas State University, 1962
Byron Arlen Young, B.S., Stanford University, 1962

In Physiology
Wayne Max Levin, A.B., Ithaca College, 1962
Sharon Kay Riggs, A.B., Southwestern College, 1962

In Plant Pathology
Floyd Milton Huber, B.S., Indiana State Teachers College, 1961

In Radio and Television
Darrell Eugene Cunningham, B.S., Arkansas State College, 1960

In Recreation
Robert Emil Bohl, B.S., 1952
Jean-Marc Dion, Baccalaureate, Université Laval, 1960

In Statistics
Armand Seri, B.S., M.S., University of Wichita, 1958, 1960

In the Teaching of Biological Sciences and General Science
Joen June Gallentine Flenner, B.S., 1962
Jerry Lee Jackson, B.S., 1962
Jack Westrate Shouba, B.S., Northern Illinois University, 1962
Peter Gibbons Traver, A.B., 1957

In the Teaching of Mathematics
David William Brown, B.S., Eastern Illinois University, 1956
Eli Newell, B.S., Jackson College, 1953

In Theoretical and Applied Mechanics
Gordon Walter Bigg, B.S., University of Alberta, 1961
Grant Wesley Reichard, B.S., 1961
Dariush Shadman, B.S., 1962
Victor Terkun, B.S., 1962

In Veterinary Medical Science
Sartaj Singh Ahluwalia, B.V.Sc. and A.H., Agra University, 1956
Dennis Keith Mann, B.S.(Liberal Arts and Sciences), B.S.(Veterinary Medicine), D.V.M., 1951, 1958, 1960; M.P.H., Tulane University, 1963
Ivan Paul Szilvassy, Diploma, Hungarian University of Scientific Agriculture, 1948

Degree of Master of Music
Hervey Kasten Hicks, B.S., 1958
Rose Marie Jones, A.B., Franklin College, 1944; M.S., 1953
Karyl June Louwenaar, B.Mus., Wheaton College, 1962
Arthur LINDON Maddox, B.Mus., University of Kansas City, 1963
David Harold Moskowitz, B.Mus., 1962
Virginia Griffith Nanzetta, B.Mus., Converse College, 1962
Peter Frank Schuetz, B.S., 1959
Robert Scott Ward, B.Mus., 1962
James Gordon Wilson, B.Mus., Miami University, 1961
Richard Bruce Wursten, B.S., Utah State University, 1961
Degree of Master of Education

ISABELLE MILTON ADAMS, B.S., Florida Normal and Industrial Memorial College, 1957
ELDORA LOVE ADKINS, A.B., Spellman College, 1950
ROBERT DALE BENDER, A.B., Blackburn College, 1961
BARBARA LEE BRUNCKHORST, A.B., Nebraska State Teachers College, 1953
ROSILAND LUCILLE BUSENHART, B.Ed., Southern Illinois University, 1943
JOHN RAYMOND CAIN, B.S., 1959
ROBERT DEXTER COBE, B.S., 1959
NEAL JENKINGS COYLE, B.S., Kansas State College, 1957
ARDEN LOWELL CRAWFORD, A.B., Eureka College, 1950
ALICE CATHERINE CRACKER, B.S., University of Oregon, 1961
HELEN LOUISE DUNN, B.S., A.M., 1938, 1948
CHARLES ROGER EZARD, A.B., Illinois College, 1959
OTTO FABOGLIA, Jr., B.S., Illinois State University at Normal, 1958
MARY ANNE FREES, B.S., 1961
THOMAS MICHAEL GARDNER, B.S., 1959
HAYWARD PHILIP GARRETT, B.S., 1963
LARRY WAYNE GARRISON, B.S., 1959
ELIZABETH ASHEMAN HILLETT, B.S., Illinois State University at Normal, 1958
JEAN LUCY GOWER, B.S., St. Louis University, 1956
KATIE MAE HARRIS, B.S., Illinois State University at Normal, 1958
LINDA HARRY HEDGES, A.B., Antioch College, 1960
SHEILA ANN HENRY, B.S., Eastern Illinois University, 1958
JANICE BLOOMQUIST HODYKE, A.B., Augustana College, 1948
RAYMOND HAROLD HUBBARD, B.S., Southern Illinois University, 1959
RALPH WILLIAM IOVINELLI, B.S., 1963
BESSIE KALLAS, B.S., 1961
DOROTHY MARTINE KEEFE, B.S., 1959
MARY FRANCES KENNEDY, B.S., 1962
ROBERT EUGENE KINLAN, B.S., Wisconsin State College (La Crosse), 1958
HOWARD HERSCHEL LAMBERT, B.S., Southern Illinois University, 1958
SUSAN WICKHAM LOCKHART, B.S., 1963
JEAN ANN MARKES, B.S., 1959
JUDITH KAYE MCCOY, B.S., Drake University, 1959
STUART BAYES MCKEEN, B.S., 1959
MARY DAILEY MEYER, A.B., Syracuse University, 1961
FLORA LANE MILLER, B.S., Illinois State University at Normal, 1958
ANDREW JOSEPH MOSCA, B.S., Lewis College, 1962
RUTH PORTER NAVID, A.B., Roosevelt University, 1958
CAROLYN LUCILLE O'NEILL, B.S., Bowling Green State University, 1941
WILLIAM PAARBERG, B.S., Illinois State University at Normal, 1960
JOSEPH SUNDERLAND PALMER, A.B., A.M., Wheaton College, 1944, 1950
PEARL YOUNGBERG PALMER, A.B., Wheaton College, 1943
GARY LEE PFROENDER, B.S., Central College, 1958
LILIAN MARGARET POWERS, B.S., 1958
DONALD ROBERT PRATER, B.S., 1957
BETSY MARGARET RESMUNDO, B.S., George Peabody College for Teachers, 1953
MATTIE HINES RICHARD, B.S., Illinois State University at Normal, 1952
WALTER WADE SHEETS, B.S., Eastern Illinois University, 1957
KENNEDY EDWARD SINCLAIR, A.B., University of Sydney, 1962
RONALD DEAN STABLER, B.S., 1959
JUANITA GLASOCK STABLER, B.S., 1935
JAMES RICHARD WARD, B.S., Eastern Illinois University, 1958
SULSA DELANO WINDOM, A.B., Prairie View Agricultural and Mechanical College of Texas, 1962
MARY CLEMENTS YOUNG, B.S., 1961
SARA JANET ZIMMERMAN, B.S., Illinois State University at Normal, 1955

Degree of Master of Fine Arts

In Painting and Printmaking

BARBARA POLAN KAPLAN, B.F.A., 1961
Degree of Master of Architecture
ALEXANDER MACGREGOR, Diploma, Edinburgh College of Art, 1960
SHING-JACK Ng, B.S., Taiwan Provincial Cheng Kung University, 1957
RONALD EUGENE SCHMITT, B.Arch., 1962
JACK MICHAEL STEPHENS, B.Arch., 1962
EDWARD PETERS WOMACK, B.S., University of Cincinnati, 1962

Degree of Master of Accounting Science
RONALD MAIER APPERSON, B.S., 1963
CONNIE LAVERN ASHBURN, B.S., 1963

Degree of Master of Extension Education
CALVIN EARL BAYLOR, B.S., 1950

Advanced Certificate
In Education
GEORGE RICHARD ABRAHAM, B.S., Wisconsin State College (Superior), 1953; M.S., 1960
VERNON ROSCOE FRENCH, B.S., Southern Illinois University, 1952; Ed.M., 1955
ROLAND HUGH JEAN, B.S., M.S., Western Illinois University, 1956, 1957
CHARLES EDGAR RAYBORN, A.B., Shurtleff College, 1947; A.M., 1951
JEAN SCHUBERT RICHARDS, B.S., Illinois State University at Normal, 1956; M.S., 1959

College of Agriculture
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In Agriculture
FRANK CHURCHILL AHLSTROM
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NORVAN WAYNE HENRICH
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MICHAEL LEON MASON
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FLOYD KEITH ROBERTS
LARRY LEE RUS
JOHN EDWARD SHEPHERD, High Honors
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GLENN GEORGE STONE
JOHN EDWARD SUBAT
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CARROLL RHEA TURNER
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JAMES DALE WELTON
JAMES THOMAS WORMLEY
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JoMAR CLARE ALWES

In Floriculture and Ornamental Horticulture
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KENNETH LEE KNOLES

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BRUCE DELBERT EDER
ORVILLE LAWRENCE KRUMDICK

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ROGER LEE BLAIR, Honors
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ANDY CARL DFER
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Michel Langdon
Fern Aaronell Nitzberg
Mariana Whitmore

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Sharon Webb Howell, High Honors
Carol Joyce Prior

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TURKEL NIGIS
PAUL FAULK NELSON
THEODORE WALTER NELSON, Jr.
PAUL FRANCIS O'SHEA
WILLIAM SANFORD PLANK, Highest Honors
DAVID LYNN POTTER
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**In Electrical Engineering**

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<td>George Barry Arnold</td>
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<td>Robert Frank Herbold</td>
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<td>Paul Elliott Kreimeier</td>
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<td>John Kruz, Jr., Honors</td>
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<td>Thomas Edward Kruze</td>
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</tbody>
</table>
UNIVERSITY OF ILLINOIS

WILLIAM JAMES WARNER
LEROY ERNEST WIKI
RONALD LOUIS WENDA
JOHN MILTON WILLIAMS
RONALD ALFRED WERNER, Highest
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GREGORY PHILIP WHITE

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CHARLES HARRY BOGUE
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RAYMOND MILO
DONALD LEE CORONEOS
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Larry Edwin Smith

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Sotirios Angel Barber
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Lois Renee Forman
Willard Edward Fox

Rudy Walter Frank
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Nancy Miles Gillfillan
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Jerry Jay Gorchow
Alvin Morton Greene
Richard Andrew Greene
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David Ellsworth Johnson
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Norman Kelin
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MARILYN ANN MCCORD, Honors in Liberal Arts and Sciences with Highest Distinction in Philosophy
MICHAEL EUGENE MERCER
MARIA PELYVENKO MERKELO, Honors in Liberal Arts and Sciences with Distinction in Russian
LEWIS NOLEN MILES
SANDRA ELIZABETH MILLER, Honors in Liberal Arts and Sciences
DAN RALPH MURPHY
KAREN MARTHA MURRAY, Honors in Liberal Arts and Sciences
ARTHUR GUSTAV NELSON
LINDA ANN NIELSEN, Honors in Liberal Arts and Sciences with Distinction in Political Science
BRUCE HENRY OLSEN
JANICE BARENFANGER ONDER
MARY KATHERINE OSBORN, Honors in Liberal Arts and Sciences
RICHARD GARRY OSWALD
PHILIP JAMES OWEN
JOHN PAVLIDIS
CARL ALLEN PETERSON
WILLIAM SANFORD PLANK, Honors in Liberal Arts and Sciences
ALISON CAROL RETTGER, Honors in Liberal Arts and Sciences with Highest Distinction in Political Science
LIONEL ROBIN
JULIAN RUBENSTEIN
CAROLYN MARIE SANDS
LARRY ALAN SARNOWSKI
MINAS SAVVAS, Honors in Liberal Arts and Sciences
MARTIN JOEL SCHACHNER
ALLAN HERBERT SCHAFFER
CAROL LIBBY SCHECHTER
KAREN SUE SCHEIRMAN
MARJORY RAY SCHOFIELD
ALLEN MICHAEL SCHWAB, Honors in Liberal Arts and Sciences
GEORGE MARTIN SEBRING
KENNETH JOSEPH SCHAFFER
NAGWA KHADIR SCHOEB
DE LOS CALVIN SINCOCK
GISELLE MARIA STATKUS
RICHARD CONRAD STEIN
JUDITH ALICE STEINBERG
JAYSON BRUCE STROE
DIANA CLAIRE TARVIN, Honors in Liberal Arts and Sciences with Highest Distinction in English
SALLY RUTH TREJBAL
SALLY THERESA VALETTE
PAUL JOHN VANA
RUSSELL ROGERS VAN CLEVE
MELVIN MARVIN VUK
NORMA MARIE ELIZABETH WALKER, Honors in Liberal Arts and Sciences with Distinction in Spanish
WILLIAM DAVID WARD
MIRIAM RUTH WEISDORF
MIRIAM RUTH WEISSMAN
MARK HOPKINS WESTON
TIMOTHY MICHAEL WHALEN
ALBERT JAMES WICKS, Honors in Liberal Arts and Sciences with Distinction in Political Science
BARBARA ANN ZAGORSKI, Honors in Liberal Arts and Sciences
ELYSE SUSAN ZUKERMAN

In the Teaching of English

SUSAN SCHNEIDER BARR, Honors in Liberal Arts and Sciences
SUSAN FERN BERGER
MARIAN IRIS BROWN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
GLENN LEON GLAUER
CHARLENE SAROSSY GRAHAM, Honors in Liberal Arts and Sciences
JOAN THERESA HARDING, Honors in Liberal Arts and Sciences
PENELOPE LYNN JOHNSON, Honors in Liberal Arts and Sciences
SHIRLEY ANN KESSLER

PATSY ELLEN KOCHENDERFER, Honors in Liberal Arts and Sciences
ELIZABETH KAY LEWKE
MARIYLN JANE MAYER, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
BARBARA KAY ROTHSCHILD, Honors in Liberal Arts and Sciences
DONNA SLOTIN
GAIL CLARE SPIKLY, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
MARGARETTA LENA TURNER
YVONNE JOY TWIETMEYER
Mary Louise Voss  
Jo Gard Webber, Honors in Liberal Arts and Sciences  

In the Teaching of French  
Patricia Ann Boughton, Honors in Carla Minette Ginze, Honors in Liberal Arts and Sciences  

In the Teaching of German  
Adelheid Maria Roth, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  

In the Teaching of Latin  
Anne Elizabeth Just, Honors in Liberal Arts and Sciences  

In the Teaching of Social Studies  
Maud Gunnel Anderson  
Trevor Ellis Bissey  
Harlene Selma Fuenefer, Honors in Liberal Arts and Sciences  
John Philip Heiman  
Sheila Smith Huehner  

In the Teaching of Spanish  
Carole Stephanie Balchunas  
Grace Lynn Crockarell Bland  

In the Teaching of Speech  
Sharon Ann Tracy  

Degree of Bachelor of Science  
In Chemical Engineering  
Vernon Joseph Bogner  
Richard Henry Goheen  
Loren Thomas Jeter  
Charles Winston Keith  
Allen Henry Krans  
David Harold Priebbe  
Daniel Edward Quane  
Thomas Robert Stein, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum  

In Chemistry  
Alfred Eiji Asato, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum  
Stanton Lane Boyer  
Beverly Bruce Daszkiewicz  

In Liberal Arts and Sciences  
James Charles Adamek  
Mary Jane Arnhold  
David Wayne Barrington  
John Russell Bateman  
Richard Allen Berg  
Frederich Charles Boch  
William Dean Bond  
Elizabeth Rose Bowen  
Roger Harold Carlson  
Howard Eldon Carolus  
John David Catching  
Ronald William Church  

William Henry Connor, Honors in Liberal Arts and Sciences  
Edward Michael Craft  
Henry Lincoln Crone  
Thomas William Cusick, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics  
Marcia Ann Daehn  
Gary Samuel David, Honors in Liberal Arts and Sciences with Distinction in Microbiology  
Richard Brent DeMink
JOHN WAYNE DENSION
ROGER HENRY DUSBERGER
DIANA RAE FERRELL
MAX GARB
GREGORY ALAN GERGANS, Honors in Liberal Arts and Sciences

SUSAN CRAFT GILBERT, Honors in Liberal Arts and Sciences with Highest Distinction in Psychology
RICHARD PATRICK GILSON
BARBARA GAIL GOLZ
STERLING GALE GRACE
BONITA JOYCE GRACH
GUNTER GUCKEL
BEVERLY JOY GUNDERSON, Honors in Liberal Arts and Sciences
THOMAS DONALD Henson
BARBARA JEAN HILL
ROBERT RAYMOND HOLLERBACH
JOAN JOYCE JAKAWICH
MICHAEL GRAHAM JOHNSON
PATTYLEE DRAKE JOHNSON
DANIEL ARTHUR KAMMLER
EVA KASPAREK
JOHN WILLIAM KINKE
CARL RUDOLPH KNABLE, Honors in Liberal Arts and Sciences
DICK GARY KORICH
MICHAEL EDWARD KRAKOW
NADJA BEE LANCASTER, Honors in Liberal Arts and Sciences with Distinction in Microbiology
KAREN LOUISE LANDSEA

CHIU WOON LEUNG
BURTON LEE LEVIN
WALDEN SHARP LEWIS, JR.
ALICE LING
TEHUSOLIS CASIMIR MIKULSKIS
HARVEY SHELDON MOROWITZ
LEROY BING CHANG MOY
JOHN EDGAR MURPHY
WILLIAM DEWEY NORSWORTHY
JAMES LAWRENCE PARKER, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics
DONALD ROBERT PAVESKA
MICHAEL NOEL PAYNE, Honors in Liberal Arts and Sciences
SUSAN HOLLAND ROBERTS
NANCY LOU ROTH
KENNETH S. SACHS
RICHARD WILLIAM SCHROEDER, Honors in Liberal Arts and Sciences
WAYNE KENNETH SHOCKLEY, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics
SUSAN MAE SMERDA
CAROL ANNE SPEARS
GEORGE CHARLES SVIHLA
JOEL TABACHNICK
NICHOLAS WASILKOFF
DAVID LESTER WESSEL, Honors in Liberal Arts and Sciences
GARY LYNN WILLIAMS
DEANNA RUTH ZEBELL
ANTHONY STANLEY ZOARS

In Physics

GEORGE EFFHIMIOS TZOURAS, Honors in Liberal Arts and Sciences

In Speech Correction

LESLIE LIDDICOAT BLAESING, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum

PATTI HOPE FISHEMAN

In the Teaching of the Biological Sciences and General Science

Jo ANNE BARRY, Honors in Liberal Arts and Sciences
PAULA BROCKSTEIN
MELVIN EUGENE EHBRARDT, Honors in Liberal Arts and Sciences
MARSHA ROCHELLE HAHN, Honors in Liberal Arts and Sciences
BRUCE ANTON JENSEN, Honors in Liberal Arts and Sciences

MARGARET ROSE MAZEK, Honors in Liberal Arts and Sciences
Diane JEAN ROSEN
SYLVIA PAULINE SIMBERG, Honors in Liberal Arts and Sciences
RICHARD HERMAN ZESCHKE

In the Teaching of Chemistry

BARBARA HUNT DUNN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

WILLIAM ROY HEFTEL, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

In the Teaching of Geography

LINDA LEONARD LAMME
In the Teaching of Mathematics

DIANE GERMAINE DEHAINAUT, Honors in Liberal Arts and Sciences
BARBARA DRAHOS MARK
NATALIE NICHOLAS, Honors in Liberal Arts and Sciences

JEANNE BEVERLY SAMPLE, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
NORMAN MATTHEW SULA

RONALD RAY COLWELL

COLLEGE OF LAW

Degree of Bachelor of Laws

ALLEN LEE DOUGHERTY, B.S., 1961
HARRY BERNARD GEISE, B.S., Quincy College, 1959
JOSEPH VIRGIL GIFFIN, B.S., 1957
CHARLES WILLIAM HELMIG, B.S., 1960
RONALD EUGENE HOLLOWAY, B.S., 1961
JOHN WILLIAM HUFFMAN, B.S., Eastern Illinois University, 1959

CARL JOSHD BINDER, B.S., 1961
ROBERT BRUCE THOMSON, Jr., A.B., Illinois College, 1963
JAMES RONALD WATSON, B.S., 1954
CRAIG RANKIN WEBBER, B.S., 1958
WILLIAM CHARLES WRIGHT, A.B., San Jose State College, 1957

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

EDWIN ALLEN METZL
BERENICE OSORIO DE VELEZ
MARGARITA MARIA PISAREVAS
ANNE LOIS SCHWAB
RICHARD MICHAEL STANTON
JANE STAUFER
LAWRENCE WILLIAM STINSON
ARTHUR LEE VINCENT

SOPHIA LOUISE DYSON
JAMES LOUIS ELDREDGE
RICHARD HAROLD FALK
GEORGE ROBERT HART
MARGARET LOUISE HASSLER, Honors
FRANCES ROSALIE HOLSTE
JANET STAUFER KEMPER
JOAN LAPASINSKI KRYSINSKI

In the Education of Mentally Handicapped Children

SATIAYVETTE MARSHALL

In Elementary Education

POLLY ANN ANDREWS
SUSAN MARY BAUMBACH
JUDITH VIRGINIA BEBNAR
LOWELLA SMITH BIDDLE
LEE ANN Binder
SUSAN TURITZ BLOCK
JUDITH D'AMBROSIO BOLLIER
JUNE EVELYN BROWN
KAREN HANSEN CAMERON
BARBARA ANN CROWTHER
IRIS CLAIRE DONENFEST
CAROL JEAN DURAN
Marilyn SCHMARRAK ERNSTEEN
MARSHA ILENE FACKTOR, Honors
JOAN DIANE FRANK
NATALIE KUSHNER FRANKENBERG
MYRA ULMANN FREIDMAN
CAROLYN ELAINE GOHR
LEAH BARBARA GOMBERG
KAROL SELVIDGE GRUEN
ELAINE HEDY GRUNDEK
JANIS HENKLE
BLANCHE CECILIA HOOVER

SARAH MARTHA HOPSON
FRANCES ROBERTA ISRAELSTAM
BARBARA IRIS JACOBSON
KAREN SCHMELZER JEPSON
HARLENE HOPE KALICK, High Honors
JOYCE ANN KAPIK, High Honors
SUE SCOTT KLINGENBERG
EVA ANN KNECHT
MARLENE BEATRICE KOOPERMAN
NANCY LOU KROGSTAD
MYRNA RAE LEIBMAN
GAIL RUTH LOME
IRIS LILIAN MILLER
FERN ALYCE NELSON, Honors
MARLENE JUDITH NICO
SHARON PAWLOW NOVICK
ANNA MAE OERTZEL, High Honors
LYNN ETTA PADGITT
BARBARA ANN PAWLAN
SHARON ANN PETERSON, Highest Honors
JANET HELEN PFUH, High Honors
SHARON SYBEL PORT
In Industrial Education

JOHN JOSEPH CHMELINA
BRUCE CUNNINGHAM CREAMER
WELDON EARL GARRETT
CLIFFORD ANTHONY KIEHL

UNIVERSITY OF ILLINOIS

CHARNA JOAN RUSH, Honors
CAROLE WHITE SCHNEIDER
GARY GEORGE SOEREBER
DAYLE LESLIE SCHWARTZ, Honors
MERLE NITA SILVERSTEIN

ROSALIND DOLORES SILVERSTEIN
ROCHELLE STERN
PHYLLIS WEINER
ADRIEN ENID WEISS
VIVIAN ELLEN ANN ZHITOMIRSKY

In Industrial Education

JOHN JOSEPH CHMELINA
BRUCE CUNNINGHAM CREAMER
WELDON EARL GARRETT
CLIFFORD ANTHONY KIEHL

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

GEORGE STEVEN ALT
DONALD JOHN BERGEN
CLARK LEES BERNARD
JOSEPH EDWARD BLACK
GARY EMMERT BOEKE
MARTIN JOEL DICKMAN, High Honors
THOMAS JOSEPH DUFFY
TRUMAN HAROLD ESMOND, Jr.
DAVID BRUCE FLAX
MICHAEL LARRY FRIEDMAN
ALLEN LEE GINSBERG
ALBERT FERDINAND GOEPPELINGER
PERRY EPHEMIAI GOLDBERG
EDWARD GOODEIAND
DAVID CAMPBELL HASTINGS
ROBERT CLARENCE HENK
LARRY DALE HOPPER
GERALD KARL JANKOWSKI
ROBERT JOSEPH JIROVEC
JOHN JOSEPH KAMERER
BURTON ROBERT KAPLAN

MELVIN JULES KLEIN
ROBERT RAYMOND LANDOWSKI
RITA CAROLYN LEWIS
JAMES ALLAN MARKSTROM
RICHARD EDWARD MARTIN
JOHN CAMERON MEIER
FRUDEOCIO AGOYAON NUNO, Jr.
WILLIAM MAX REXROAD, Honors
RICHARD EVAN ROBERTS
RICHARD ALLEN ROMER
GERALD LANG SALAMON, Honors
FRED EUGENE SAUER
CHARLES RUSSELL SCOTT
BERNARD HENRY SHAPIRO, High Honors
THOMAS EUGENE SHEPPERD
AUGUST ANTHONY WANKA
ROBERT FREDERICK WILEY
JAMES DOUGLAS WILLIAMS
RICHARD WONG

In Commerce and Law

JOSEPH VINCENT FLORINI
ROBERT GENE GRANDA

WILLIAM GARY WINGET

In Commercial Teaching

ANN LOUISE KINDT, Honors
PHILIP DANIEL MCLOUTH

DONALD BRUCE TREMPER

In Economics

BRIAN HAWKINSON BUYERS
WILLIAM LEITCH HOLDER
JOHN MICHAEL KIRTLIE
GERALD DAU SUN LOW
ROBERT OSCAR MALM

KEITH MARTIN POCKROSS
KENNETH CHARLES SCHMITZ
FRED WILLIAM SCHONLAU
STUART IRA WEINSTEIN

In Finance

ROGER LOUIS FRANKS
JAMES NOEL HEILGENSTEIN
PHILIP EARL KUCERA

JOHN FRANCIS PODJASEK, Jr.
LARRY JOE ROBERTS
LEE HENRY SCHINKER

In Industrial Administration

FERMIN AGUILAR
DAVID HUGH CAMERON
WILLIAM DENNIS DECARDY
PAUL ROBERT FAGERMAN

JAMES JOHN HUDEK
JAMES EMMETT STUEBE
JAMES EDWARD TRAUTMAN
BRIAN JOSEPH VANCATA
BOARD OF TRUSTEES

[February 19]

In Management

Richard William Babcock
George Dunn Coughlan
Eugene Howard Cohen
Michael Peter Croll
John McDowell Curtis
Delfino Vincent D'Ambrosio
Robert James Defenbaugh
Ralph Galen Downer
Joe Edgar Fleming, Jr.
Joseph Edward Hayes
James Frederick Heise
Steven Arthur Hoepfner
William Alan Klink
David Kobes
Larry Charles Long
Bonnie Marinkovich
Jerry Earl Pierce
Joseph James Riha
Joseph Victor Rund, Jr.
Calvin Darrell Shook
Patricia Ann Sлагley
Joseph Thomas Sommer
Lynn Edward Sundstrom
Thomas Adam Wiltrakis
James Florian Zientara

In Marketing and Management

James Nathan Jackson, Honors in Marketing

In Marketing

Russell William Abraham
John Chambers Bridgwater III
David Logan Buell
Patrick Michael Douglass
Stephen Arthur Foerster
Donald Foster Folger
Larry Morgan Friedrich
Paul Robert Gill
John Patterson Glass III
Jack Allan Gretzema
William Allan Haggerty
John George Jesse
Bruce Connor Johnson, Jr.
Bruce Taylor Larson
Jeffrey Z. Levine
Terence Robert McBurney
David Allen Meyers
Leonard Richard Olson
Dennis Lee Prewitt
Donald Frank Ripperger
James Elwyn Rorah
Frederick Robert Schaeffer, Honors
Frank Joseph Scortino
Frederic Bruce Shurts
Richard Charles Shurtz
Vernon Carl Sinn
Carl Oscar Skilbred
Charles Julian Taylo
William John Tomisk
Thomas Paul Venkus
Brian Lee Wallen
Edward Henry Wirtz, Jr.
Kenneth Zohrer

In Urban Land Economics

Alan James Gentenrich
Leslie Wayne Laibly
Howard Lee Weinstein

COLLEGE OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Communications

Samuel Marvin Aronson
Thomas Joseph Bash
Yale Stuart Brody
Jerome Stewart Burdick
Bonnie Ilene Dictor
Ruth Kiddoo Donnanville, High Honors
Grant Gary Jacobsen
Kenneth Richard Jakle
Roy Louis Karon
Alan Roy Morris
Gary Allan Olson
Nancy Dudeen Perona
Bernard Frank Roscetti
Thomas Richard Stahler
David Graham Vanselow
Thomas Reynolds Watson
Stephen Earl Wead
Garrett Henry Winter III

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Architecture

Warren Allen Allabastro
Loren Martin Benson
John Thomas Blount
Jacques Renard Bollier
Degree of Bachelor of Fine Arts

In Advertising Design

VAN H. Austin
JOHN MICHAEL CARNEY
FRANKLIN RUSSEL KALASKIE
JAMES EDWARD KELLY, JR.

EILEEN COLIN READ
WILLIAM HENRY SCHMADEBECK
FRANK BRIAN ZELIP

In Art Education

SALLY ANN GREENBERG

JOEL MCCLENDON PRICE

In Industrial Design

GEORGE GREGORY BROPHY
ROBERT EDWIN DRAPEAU
GERALD EDWARD MATE
JOHN ANDREW MIKULSKI, HONORS
HECTOR IGNATIUS MUNOZ
JERRY DAVID NORRIS

THOMAS LEON RAFINSKI
JOHN JOSEPH RIKO
WILLIAM HENRY SCHULTZ
ANSON SIMS, HONORS
FRANK ALLEN WARD
ROBERT JOHN WELCH

In Painting

KENNETH MICHAEL ANDERSON, HONORS
LINDA JANE ELLIS

JUDITH SCHIEMANN HAHN, HONORS
JOHN STEVENSON READ
MICHAEL THOMAS STACK, HONORS

Degree of Bachelor of Music

ELEANOR DIANE GOULD
LARRY THOMAS KERKHOF, HONORS
JOHN STANLEY LYON

DENNIS KALSTON MARSHALL, HIGHEST HONORS
ROGER PALMER STONELAKE, HONORS

Degree of Bachelor of Science

In Music Education

CAROLYN CHAPMAN CHECH
SHARON ELIZABETH COATS, HONORS
DALE FRANCIS HOPPER

JAMES CHRIS STUTSMAN
CAROLYN JOAN WRIGHT, HIGHEST HONORS

College of Physical Education

Degree of Bachelor of Science

In Physical Education

ROBERT DAVID ARNOLD
MICHAEL ALAN BERGER
CAROL TAIT BROWN
JOHN JOSEPH BURNS
DOMINIC LOUIS CACCAVARI

GARY MARSHALL CORTRIGH
JOHN PATRICK EMERICH
JOSEPH CHARLES HALAC
HAROLD ZACHARY HOLMES, JR.
SHARON LOIS JOHNSON
SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, resignations, declinations, and terminations; leaves of absence; cancellation of sabbatical leave of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ADAMS, JAMES M., Assistant in the Institute of Aviation, February 1-June 15, 1964, $2,100 (1-16-64).

ADLER, DONATELLA G., Research Assistant Professor of Physics (C), six months from January 1, 1964, $750 a month (1-16-64).

AXDERSON, LYNN R., Instructor in Psychology, 2/3 time, and Research Associate in Psychology, 1/3 time, to render service during the second semester of the academic year, $2,550, supersedes (12-26-63).

BAULING, DOUGLAS B., Instructor in Agricultural Engineering (S), 1/2 time, and Assistant Director of the Agricultural Experiment Station, 1/2 time, seven months from February 1, 1964, $8,000 a year, supersedes (1-31-64).

BECKENHOLDT, WILLARD D., Research Assistant in Agricultural Administration (C), 1/2 time, and Assistant in Agricultural Administration (C), 1/2 time, January 6-August 31, 1964, $3,527.42, supersedes (1-16-64).

BERK, RICHARD S., Instructor in Radiology (Medicine), eight months from January 1, 1964, without salary, supersedes (1-2-64).

BRINEY, ROBERT R., Clinical Instructor in Medicine (Medicine), eight months from January 1, 1964, without salary (1-10-64).
Brown, Gordon E., Instructor in Mathematics, to render service during the second semester of the academic year 1963-64, $7,000 a year, supersedes (1-2-64).

Bubenez, Gary D., Instructor in Agricultural Engineering (C and S), seven months from February 1, 1964, $8,000 a year (1-27-64).

Burns, Harris, Jr., Research Associate in Chemistry, eight months from January 1, 1964, $6,600 a year (1-16-64).

Carr, Kenneth R., Instructor in Electrical Engineering (C), ¼ time, to render service during the second semester of the academic year 1963-64, $7,000 a year, supersedes (1-2-64).

Chatman, Donald G., Research Assistant in Medicine (Medicine), January 20-August 31, 1964, $6,000 a year (1-24-64).

Cleemencen, Heinz, Research Associate in Chemistry, one year from September 1, 1964, $6,300 (1-27-64).

Clevenger, I. Carol, Head Resident, Noble Hall, five months from February 1, 1964, $2,400; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation, valued at $31 a month (1-22-64).

Crowder, James R., Research Assistant in the Coordinated Science Laboratory (C), reducing his appointment from full time to ¾ time, supersedes (12-26-63).

Davenport, Mrs. Janice C., Research Assistant in Zoology, eight months from January 1, 1964, $3,433.36 (1-21-64).

Dean, Charles W., Assistant in Sociology, ½ time, and Research Assistant in the Institute of Communications Research, ½ time, February 1-June 15, 1964, $2,100, supersedes (1-16-64).

Economou, Steven G., Clinical Associate Professor of Surgery (Medicine), indefinite tenure from January 1, 1964, without salary, supersedes salaried appointment (1-17-64).

Fara, Harry, Research Associate in Mining Engineering (C), ¾ time, February 1-June 15, 1964, $1,999.98 (1-24-64).

Fisher, Mrs. Barbara N., Research Assistant in Chemistry, seven months from February 1, 1964, $3,208.59 (1-23-64).

Francis, Frank C., George A. Miller Visiting Lecturer in the Graduate School of Library Science, one month from March 1, 1964, $3,000 (1-22-64).

Freid, Marvin A., Research Assistant in Medicine (Medicine), eight months from November 1, 1963, without salary (12-26-63).

Friedman, Mrs. Dorothy M., Research Associate in Education (University High School, Mathematics Project), February 1-June 15, 1964, $3,600 (1-10-64).

Grady, John E., Instructor in Histology (Dentistry), ¾ time, eight months from January 1, 1964, $4,500 a year, supersedes (1-16-64).

Griffiths, Edward K., Clinical Instructor in Medicine (Medicine), nine months from December 1, 1963, without salary (1-2-64).

Hafele, Joseph C., Research Associate in Physics (C), seven months from February 1, 1964, $4,550, supersedes (1-20-64).

Hafstrom, Jeanne L., Instructor in Family Economics, Department of Home Economics (E and S), eight months from January 1, 1964, $8,000 a year, supersedes nonacademic appointment (1-6-64).

Hawkins, Helen A., Acting Assistant Dean of Women, five months from February 1, 1964, $3,500, supersedes (11-18-63).

Hayward, Harold N., Professor of Electrical Engineering at the Indian Institute of Technology, Kharagpur, India, for service under Contract AIDc-1220, from May 12, 1964, through June 30, 1964, $20,521 a year; and, beginning July 1, 1964, Professor of Electrical Engineering (C), indefinite tenure, and Director of the Measurement Program (S), on academic year basis; his appointment on a salaried basis will begin September 1, 1964, supersedes (1-20-64).

Henne, Bertrand W., Instructor in the Institute of Aviation, seven months from February 1, 1964, $7,700 a year, supersedes (1-20-64).

Hennes, James D., Research Associate in the Office of Instructional Television (Executive Vice-President and Provost’s Office), December 1, 1963-January 15, 1964, $4,550, supersedes (12-26-63).

Hoffman, Frederick, Instructor in Mathematics, to render service during the second semester of the academic year, $7,000 a year, supersedes (1-2-64).
INMAN, FRANKLIN P., JR., Research Associate in Microbiology, nine months from December 1, 1963, $7,500 a year (1-10-64).
JENSEN, HARALD P., JR., Research Assistant in Anthropology, seven months from February 1, 1964, $3,266.69 (1-17-64).
JOHNSON, ROBERT A., Assistant in the Institute of Aviation, February 1-June 15, 1964, $2,100 (1-16-64).
KARJALA, DENNIS S., Instructor in Electrical Engineering (C), ½ time, February 1-June 15, 1964, $1,250, supersedes (1-15-64).
KELLY, ELIZABETH K., Research Associate in Electrical Engineering (S), seven months from February 1, 1964, without salary, supersedes salaried appointment (1-17-64).
KERR, LARRY C., Clinical Instructor in Psychology, Department of Psychiatry (Medicine), nine months from December 1, 1963, without salary (1-16-64).
KOLESNYK, PETRO, Catalog Assistant in the Library, eight months from January 1, 1964, $3,800 (1-2-64).
KOZLOW, ROBERT D., Assistant Professor of Library Administration (Chicago Undergraduate Division), February 17-August 31, 1964, $8,200 a year, supersedes (1-8-64).
KROBER, MARVIN S., Research Assistant in Chemistry, seven months from February 1, 1964, $3,004.19 (1-15-64).
KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), ten months from November 1, 1963, without salary, supersedes salaried appointment (1-2-64).
KUNC, SIDNEY H. L., Research Associate in Theoretical and Applied Mechanics (C), ½ time, to render service for five months from January 15, 1964, $2,547.58, supersedes (12-26-63).
KUNIASHI, KENGO, Research Associate in Psychiatry (Medicine), seven months from February 1, 1964, $7,200 a year (1-27-64).
LAMOT, JOHN D., Assistant in Medicine (Medicine), one year from July 1, 1963, without salary (12-26-63).
LANGSTJEN, RALPH J., Assistant Professor of Hygiene, and Staff Physician in the Health Center and McKinley Hospital, seven months from February 1, 1964, $15,000 a year (1-16-64).
LEHMAN, FREDERIC K., Assistant Professor of Anthropology and of Linguistics, to render service during the second semester of the academic year 1963-64, $7,200 a year, supersedes (1-24-64).
LEIFTE, BERTHA V., Visiting Lecturer in Education (Chicago Undergraduate Division), ½ time, February 1-June 15, 1964, $2,800 (1-24-64).
LONG, ROBERT S., Assistant in Microbiology, February 1-June 15, 1964, $2,100, supersedes (1-20-64).
MALONE, ANTHONY J., Instructor in Pedodontics (Dentistry), ½ time, eight months from January 1, 1964, $1,600 a year (1-31-64).
MARTIRANO, J., Assistant Professor of Music, academic year beginning September 1, 1964, $9,000 (1-22-64).
MCCUNE, SHANNON, Visiting Professor of Geography, for seven months from February 1, 1964, without salary; this is in addition to his appointment as Consultant to the President and to the Executive Vice-President and Provost (2-3-64).
MENDOZINO, MARK J., Research Associate assigned to the Cleft Palate Training Program (Dentistry), ½ time, eight months from January 1, 1964, $1,500 a year (1-31-64).
METZGER, DUANE G., Research Assistant Professor in the Institute of Communications Research (College of Journalism and Communications) and Assistant Professor of Anthropology (College of Liberal Arts and Sciences), February 1-June 15, 1964, $4,100 (1-22-64).
MRAZEK, RUDOLPH G., Clinical Associate Professor of Surgery (Medicine), indefinite tenure from January 1, 1964, without salary, supersedes salaried appointment (1-17-64).
Mueller, Eugene A., Research Associate in the State Water Survey and in the Graduate College, ½ time, five months from February 1, 1964, $2,625, superseded (1-7-64).

Myers, Thomas P., Research Assistant in Anthropology, seven months from February 1, 1964, $3,266.69 (1-23-64).

Neal, John A., Research Associate in Theoretical and Applied Mechanics (C), ½ time, to render service during the second semester of the academic year 1963-64, $1,800, superseded (1-24-64).

Nettl, Bruno, Visiting Lecturer in Music, nine months from September 16, 1964, $9,500 (1-22-64).

Nihei, Yasumitsu, Research Assistant in Labor and Industrial Relations, for one month from February 1, 1964, $466.67 (1-23-64).

O'Halloran, Virginia M., Associate Professor of Nursing, on ½ time for winter quarter, payable January 1 through April 30, 1964, $2,060 a year, and on ½ time for spring quarter, payable May 1 through August 31, 1964, $3,150 a year; Associate Professor of Nursing, on indefinite tenure, to render service during each academic year, beginning September 1, 1964, superseded (1-10-64).

Pace, James, Research Assistant in Electrical Engineering (C), ½ time, seven months from February 1, 1964, $2,712.50, and Assistant in Electrical Engineering (C), ½ time, February 1-June 15, 1964, $634.10, superseded (1-15-64).

Parks, Joe M., Visiting Assistant Professor of Biophysics, Department of Physiology and Biophysics, February 1-June 15, 1964, $944.44 a month (1-22-64).

Pekas, Darold, Research Assistant in Biological Chemistry (Medicine), eight months from January 1, 1964, $5,150 a year (1-15-64).

Perey, Luben C., Clinical Instructor in Medicine (Medicine), ten months from November 1, 1963, without salary, superseded salaried appointment (1-2-64).

Perry, George T., Instructor in Medicine (Medicine), ½ time, eight months from January 1, 1964, $3,000 a year, superseded nonsalaried appointment (1-27-64).

Persing, Roscoe L., Research Associate in Agricultural Engineering (S), eight months from January 1, 1964, $4,102.64, superseded (1-16-64).

Pickens, Leon E., Assistant in Physical Education for Men (Chicago Undergraduate Division), February 1-June 15, 1964, $2,500, and $300 for overtime from the Athletic Associate for services to it, total salary $2,800 (1-24-64).

Pochyly, Donald F., Clinical Assistant in Medicine (Medicine), six months from January 1, 1964, without salary (1-8-64).

Roan, Vernon P., Jr., Instructor in Aeronautical and Astronautical Engineering (C), ¾ time, to render service during the second semester of the academic year 1963-64, $2,250 (1-16-64).

Rosen, Seymour, Instructor in Pathology (Medicine), six months from January 1, 1964, $508.34 a month, superseded nonsalaried appointment (1-3-64).

Rosenberg, Ronald, Assistant Professor of Anesthesiology, Department of Surgery (Medicine), 9/10 time, January 1, 1964-August 31, 1965, $14,850 a year, superseded (1-2-64).

Rubinstein, Mrs. Alicia S., Research Assistant in Oral Pathology (Dentistry), eight months from January 1, 1964, $429.17 a month (1-8-64).


Smith, Annabel L., Instructor in the Catalog Department of the Library (Chicago Undergraduate Division), seven months from February 1, 1964, $9,400 a year, superseded nonacademic appointment (1-27-64).

Smith, Annabel L., Instructor in the Catalog Department of the Library (Chicago Undergraduate Division), January 27-August 31, 1964, $6,100 a year (1-31-64).

Soberal, Manoel, Jr., Research Associate in the Coordinated Science Laboratory (C), seven months from February 1, 1964, $10,000 a year, superseded (1-22-64).

Solway, Jack, Clinical Instructor in Anesthesiology, Department of Surgery (Medicine) nine months from December 1, 1963, without salary (1-2-64).

Stephens, Mrs. Nancy A., Architecture Library Assistant in the Library, seven months from February 1, 1964, $3,266.69, superseded (1-8-64).

Stoeps, Jeanette M., Head Resident, Saunders Hall, five months from February 1, 1964, $2,400; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation (1-24-64).
TODD, CHARLES W., Visiting Lecturer in Chemistry, to render service for five and one-half months from January 1, 1964, $9,778 (1-10-64).

TZOURAS, GEORGE, Assistant in Physics (Chicago Undergraduate Division), February 1-June 15, 1964, $3,000 (1-21-64).

UNTI, EUGENE, Clinical Instructor in Prosthodontics (Dentistry), eight months from January 1, 1964, without salary (1-2-64).

UZGIRIS, INA C., Research Associate in Psychology, seven months from February 1, 1964, $6,600 a year, supersedes (1-10-64).

VENABLES, JOHN A., Research Assistant Professor of Physics (C), six months from March 1, 1964, $9,200 a year, supersedes (1-22-64).

VERMEULEN, MRS. MARY E., Research Assistant in Microbiology, seven months from February 1, 1964 (1-23-64).

VENABLES, JOHN A., Research Assistant Professor of Physics (C), six months from March 1, 1964, $9,200 a year, supersedes (1-22-64).

VERMEULEN, MRS. MARY E., Research Assistant in Microbiology, seven months from February 1, 1964 (1-23-64).

WALKER, MRS. EUNICE, Education Library Assistant in the Library, seven months from February 1, 1964, $3,208.38 (12-26-63).

WALL, FREDERICK T., Professor of Chemistry, for two months beginning June 16, 1964, $5,555.54; this is in addition to his present appointment (1-22-64).

YEAGER, JAMES A., Associate Professor of Histology (Dentistry), indefinite tenure from January 1, 1964, $13,000 a year, supersedes (1-2-64).

FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

BARRINGTON, E., United States Public Health Service Fellow in Oral Pathology, one year from September 4, 1963, without salary (1-3-64).

CHO, FREDERICK YI-TUNG, United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, five months from February 1, 1964, $1,110.85 (1-15-64).

CHIA, LEON O., Fellow in Electrical Engineering, February 1-June 15, 1964, $1,000; and two months from June 16, 1964, $500 (1-20-64).

COLLIER, CHARLES P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,170, supersedes (1-2-64).

FELDMAN, ROSS, United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, $1,500 (12-20-63).

GEMRICH, EDWIN G., United States Public Health Service Fellow (Trainee) in Entomology, five months from January 1, 1964, $1,200 (1-20-64).

GOLD, LLOYD A., Teaching Fellow in Music, nine months from September 16, 1963, $1,450, supersedes (1-2-64).

GRAHAM, ALLAN L., United States Public Health Service Senior Clinical Trainee in Surgery, one year from July 1, 1964, without salary (1-3-64).


HEDIN, MRS. DARLENE R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, six months from November 1, 1963, $2,083.33, supersedes (12-12-63).

HEMMER, JOSEPH C., Ramo-Wooldridge Fellow in Electrical Engineering, February 1-June 15, 1964, $940 (1-2-64).

JORGENSEN, DONALD R., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, $2,750 (12-20-63).

KULLA, JAMES P., Fellow in Microbiology, three months from January 1, 1964, $500 (1-6-64).
McCord, Marilyn, Fellow in Philosophy, February 1-June 15, 1964, $750; and two months from June 16, 1964, $375 (1-24-64).

McVinnie, William W., Fellow in Civil Engineering, nine months from September 16, 1963, $1,500; and two months from June 16, 1964, $375, supersedes (12-16-63).

Mendelblat, Frank J., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, $3,000 (12-20-63).

Mincer, John J., United States Public Health Service Senior Clinical Trainee in Surgery, one year from July 1, 1964, without salary (1-3-64).

Nykiel, Florian, United States Public Health Service Fellow (Trainee) in Otolaryngology, eight months from December 1, 1963, $6,500 (1-2-64).

Portney, Gerald L., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, $1,500 (12-20-63).


Todorovic, Radmilo, United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, January 16-June 30, 1964, $2,750 (12-31-63).

Watson, John A., United States Public Health Service Fellow (Trainee) in Biological Chemistry, six months from January 1, 1964, $1,150 (1-2-64).

Weber, Carl S., United States Public Health Service Predoctoral Fellow in Chemistry, one year from February 1, 1964, $4,200 (1-2-64).

Weimer, Richard C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,642.50, supersedes (1-2-64).


Young, Donald E., Texas Instruments Fellowship in Electrical Engineering, February 1-June 15, 1964, $940 (12-6-63).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS


Ashmore, Constance M., Serials Cataloger in the Library, with rank of Instructor — declination effective September 1, 1963.

Atkins, Gladys, United States Public Health Service Fellow in Physiology — termination effective January 1, 1964.

Berglund, Winifred, Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1964 — declination effective June 19, 1964.

Bhan, Suray, Research Associate in Metallurgy — cancellation effective February 1, 1964.

Blueth, Elaine A., Assistant Professor of Anthropology — resignation effective September 1, 1964.

Byron, Janet L., Fellow in Linguistics — resignation effective February 1, 1964.

Cahill, Paul F., Manager of Public Information (Chicago Undergraduate Division) — resignation effective March 1, 1964.

Castaldi, Basil, Associate Professor of Educational Administration and Supervision — resignation effective March 1, 1964.

Cropp, Frederick W., Assistant Dean of the College of Liberal Arts and Sciences and Assistant Professor of Geology — resignation effective September 1, 1964.

Culbertson, Don S., Chief of Data Processing in the Library, with rank of Assistant Professor (Chicago Undergraduate Division) — resignation effective March 7, 1964.

Curme, Gregory L., Assistant Professor of Mathematics (Chicago Undergraduate Division) — declination effective January 1, 1963.

Davis, Lucille H., Assistant in Nursing — declination effective September 1, 1963.

Feinberg, Arnold, Research Assistant in Civil Engineering — resignation effective February 1, 1964.

Fischer-Wybrecht, Mrs. Susanne H., Research Associate in Pediatrics (Medicine) — resignation effective January 1, 1964.

Fleeger, James L., Research Associate in Dairy Science — resignation effective February 1, 1964.

Friedland, Joan M., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective February 1, 1964.
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GILMAN, ALICE, United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective February 1, 1964.

GREENLEE, MRS. NANCY A., Assistant in Education — resignation effective February 1, 1964.

HEFFEL, DANIEL L., Instructor in Psychology and Counselor in the Student Counseling Service (Chicago Undergraduate Division) — resignation effective September 1, 1963.

JANES, ROBERT W., Associate Professor of Sociology — resignation effective March 1, 1964.


KAUFFMAN, WILLIS C., Associate Professor of Home Economics, Summer Session of 1964 — declination effective June 15, 1964.

KOZLOWSKI, HELEN S., Psychometrist in the Student Counseling Service and Assistant in Psychology (Chicago Undergraduate Division) — declination effective September 1, 1963.

LOFTUS, MRS. BEVERLY G., Assistant Editor in the Graduate College — resignation effective February 1, 1964.

MARTIN, NANCY L., Instructor in Nursing — declination effective September 1, 1963.

MCFATE, PATRICIA A., Instructor in English (Chicago Undergraduate Division) — resignation effective March 1, 1964.

MCGURK, DONALD J., Fellow in Chemistry — resignation effective February 1, 1964.


PLACEK, MRS. CYNTHIA B., Assistant Editor in Veterinary Medicine Administration — resignation effective March 18, 1964 at the close of business.

RAINFALLS, MRS. MARY R., Research Assistant in the School of Life Sciences — resignation effective December 15, 1963.


STEIN, HERBERT J., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering — resignation effective March 1, 1964.

STITZEL, ROBERT D., Instructor in Dentistry (Dentistry) — resignation effective January 9, 1964.

TAUBMAN, JOANNE H., Clinical Instructor in Medicine (Medicine) — resignation effective January 13, 1964.

TILLMAN, ALBERT C., Instructor in English, Summer Session of 1964 — declination effective June 15, 1964.


VANDERMARK, NOLAND L., Professor of Physiology (Dairy Science) (C and S) — resignation effective February 1, 1964.
VERGIN, MARCIA A., United States Public Health Service Fellow (Trainee) in Chemistry — resignation effective February 1, 1964.


VERBECK, JOSEPH F., Instructor in the Institute of Aviation — resignation effective February 1, 1964.

WARRIEN, CHARLES P., Instructor in Anthropology (Chicago Undergraduate Division), Summer Session of 1964 — declination effective June 19, 1964.

WATTS, MRS. EMILY S., Instructor in English — resignation effective March 1, 1964.

WEBER, FRANK E., Fellow in Food Science — resignation effective February 1, 1964.

WESTMEYER, PAUL, Associate Professor of Secondary and Continuing Education — resignation effective September 1, 1964.

LEAVES OF ABSENCE

BLUHM, ELAINE A., Assistant Professor of Anthropology — leave of absence, without pay, for the second semester of the current academic year, 1963-64.

FARA, HARRY, Research Associate in Mining Engineering (College of Engineering) — leave of absence, without pay, for one month from December 1, 1963.

FREY, M. VIRGINIA, Instructor in Recreation (College of Physical Education) — leave of absence, without pay, for the second semester of 1963-64, so that she may devote full time to doing graduate study during that period.

HOLMES, MRS. JULIA O., Professor of Nutrition (Home Economics), in the College of Agriculture and in the Agricultural Experiment Station — disability leave of absence with full pay for six months from November 11, 1963; and leave of absence without pay thereafter until further notice.

KETCHUM, PIERCE W., Professor of Mathematics — leave of absence, without pay, during the second semester of the current year, 1963-64.

KIRK, SAMUEL A., Director of the Institute for Research on Exceptional Children, Professor of Psychology, Professor of Special Education and Chairman of the Department — leave of absence, without pay, for the period February 1 through June 30, 1964, so that he may accept a temporary assignment as Director of the Division of Handicapped Children and Youth in the United States Office of Education.

SAMPSON, JOAN M., Champaign County Home Adviser, in the Cooperative Extension Service in Agriculture and Home Economics — leave of absence for six months from August 1, 1964 with full pay, and for three months from February 1, 1965, without pay.

WILL, FREDERICK L., Professor of Philosophy — leave of absence, without pay, for one year beginning September 1, 1964, so that he may accept an offer from Cornell University to serve as a Visiting Professor of Philosophy there.

CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

SIMMONS, RALPH O., Associate Professor of Physics, in the College of Engineering — sabbatical leave of absence, with full pay, for the second semester of 1963-64, is hereby cancelled.

EXECUTIVE SESSION

On motion of Mr. Williamson, an executive session was ordered for consideration of the following items of business.

PURCHASE OF PROPERTY AT 1210 WEST CALIFORNIA AVENUE, URBANA

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees request the Illinois Building Authority to purchase for the University the property at 1210 West California Avenue, Urbana, at a price not to exceed $100,000, in accordance with the Illinois Building Authority Act.

The property consists of a lot approximately 78.5 feet wide by 184 feet (14,522 square feet) deep and is improved with a three-story and basement brick apartment building with ten apartment units. The land area is adjacent to the new Morrill Hall and will ultimately be used for expansion of the biological sciences complex. Until the land is needed for building construction, the property can be used for temporary offices plus parking.
The price is within appraisals and has been reviewed with and approved by the Committee on Buildings and Grounds.
Possession will be delivered not later than September 1, 1964.
I concur.

On motion of Mr. Pogue, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

PURCHASE OF PROPERTY AT 1105 WEST SPRINGFIELD AVENUE, URBANA

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 1105 West Springfield Avenue, Urbana, needed for the next unit of the Coordinated Science Laboratory, at a price of $23,000, and the assignment of $23,000 from funds received as reimbursement for indirect costs on Coordinated Science Laboratory contracts (Indirect Costs General).

The Board of Trustees on September 18, 1963, authorized condemnation proceedings for acquisition of the property. However, through subsequent negotiations, the owner has agreed to accept $23,000 which is within the limit previously approved by the Committee on Buildings and Grounds, with the understanding that the owner will give possession of the land required for construction on or before April 1, 1964, and will give possession of the house and garage on or before September 1, 1964.

I recommend authorization of this purchase and assignment of funds, and further recommend that the Board rescind its resolution of September 18, 1963, with respect to condemnation proceedings for acquisition of the property.
I concur.

On motion of Mr. Pogue, the purchase of this property on the terms indicated and the requested assignment of funds were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY AT 1103 WEST SPRINGFIELD AVENUE, URBANA

(3) On June 19, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1103 West Springfield Avenue, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-319).

Immediately prior to the selection of the jury, the owners indicated a willingness to accept $29,500 for the property, which is $700 above the price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before April 1, 1964, subject to the right to remove the conversion unit in the furnace, kitchen cabinets, and bathroom fixtures prior to that date.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer and the assignment of $29,500 from funds received as reimbursement for indirect costs on Coordinated Science Laboratory contracts (Indirect Costs General).
I concur.

On motion of Mr. Pogue, this recommendation and the assignment of funds were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.
SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY
AT 1103 1/2 WEST SPRINGFIELD AVENUE, URBANA

(4) On June 19, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1103 1/2 West Springfield Avenue, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-324).

Immediately prior to the selection of the jury, the owners indicated a willingness to accept $17,500 for the property, the price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before April 1, 1964, subject to the right to remove the house prior to that date. Since the house will have to be removed prior to construction, this provision in the purchase contract will be to the University's advantage.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer and the assignment of $17,500 from funds received as reimbursement for indirect costs on Coordinated Science Laboratory contracts (Indirect Costs General).

I concur.

On motion of Mr. Johnston, this recommendation and the assignment of funds were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY
AT 1303 WEST STOUGHTON STREET, URBANA

(5) On June 19, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1303 West Stoughton Street, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-325). Immediately prior to the selection of the jury, the owners indicated a willingness to accept $17,300 for the property, which is $50 above the price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before March 15, 1964.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY
AT 1304 WEST STOUGHTON STREET, URBANA

(6) On June 19, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1304 West Stoughton Street, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-320). Immediately prior to the selection of the jury, the owners indicated a willingness to accept $24,700 for the property, the same price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before March 15, 1964, subject to the right to remove the furnace, storm windows and plumbing fixtures prior to that date.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.
On motion of Mr. Johnston, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

SETTLEMENT OF CONDEMNATION SUIT FOR PROPERTY AT 1306 WEST STOUGHTON STREET, URBANA

(7) On May 15, 1963, the Board of Trustees authorized condemnation proceedings for the acquisition of the property at 1306 West Stoughton Street, Urbana, and a condemnation suit was subsequently filed in the Circuit Court of Champaign County (Case No. 63-L-323). Immediately prior to the selection of the jury, the owners indicated a willingness to accept $25,300 for the property, the same price previously approved by the Committee on Buildings and Grounds for acquisition by negotiation, and to deliver possession to the University on or before March 15, 1964.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of the settlement offer.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

ACQUISITION OF THE PROPERTY AT 1306 WEST SPRINGFIELD AVENUE, URBANA

(8) The Board of Trustees has authorized condemnation proceedings for acquisition of the property at 1306 West Springfield Avenue, Urbana.

The Legal Counsel on January 15, 1964, reported to the Committee on Buildings and Grounds the willingness of the trustee-owner to recommend to the beneficiaries of the trust that $42,500 be accepted for the property if this price were offered by the University. The Committee voted to reject the proposal and the owner was so advised.

Condemnation proceedings were filed in the Circuit Court of Champaign County (Case No. 64-L-30). The trustee-owner now has formally submitted the same proposal as a compromise offer to settle the case without the necessity of completing the condemnation proceedings at a price of $42,500 subject to entering into a contract on or about the first of March, 1964, and the right to retain possession through June 30, 1964.

This price is in excess of the amount previously approved by the Committee on Buildings and Grounds for acquisition by negotiation and is approximately $9,000 above the median appraisal received.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that this settlement offer be rejected and that acquisition by condemnation be completed.

I concur.

On motion of Mr. Williamson, the Board voted to reject the settlement offer.

ADDITIONAL LAND FOR CONGRESS CIRCLE

(9) The University’s present contract with the city of Chicago, Department of Urban Renewal, for acquisition of land for the Congress Circle Campus does not include the block bounded by the Dan Ryan Expressway, Roosevelt Road, Halsted and Greshaw Streets, although the City has included that area in its redevelopment plan. There are eleven parcels of property in this block, including the Central National Bank and the Twelfth Street Department Store. The entire block is available for acquisition and it is desirable that the University purchase the additional land now.

As a result of negotiations with the Department of Urban Renewal, the City has agreed to sell to the University the entire block for $700,000 and to raze all
buildings with the exception of the Central National Bank Building which is relatively new and modern.

Funds are available in the state capital appropriations to the University for the Universities Building Fund for this purchase.

If this additional land is acquired, it is proposed that the Central National Bank Building be retained and remodeled to provide temporary student union facilities—such as lounge areas, food service, and bookstore—pending completion of a new student union, and subsequently for general storage and temporary staff office facilities for a period not to exceed ten years.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an amendment of the University's contract with the city of Chicago for the acquisition of land for the Congress Circle Campus to provide for the purchase of the additional block indicated at a price of $700,000. The Committee on Buildings and Grounds has previously been consulted and supports this recommendation. The sale price has been approved by the Federal Urban Renewal Administration.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

PURCHASE OF PROPERTY AT 1109 WEST SPRINGFIELD AVENUE, URBANA

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 1109 West Springfield Avenue, Urbana, at a price of $29,210, the owner to retain possession to July 1, 1964, and to have the right to remove the furnace on or before delivery of title to the University.

The property is a lot 56½ feet by 132 feet and is improved with a two-story frame dwelling. The land area is needed as part of the site for the expansion of the Coordinated Science Laboratory.

The price is within the range of appraisals previously approved by the Committee on Buildings and Grounds for a negotiated purchase.

Funds are available from indirect costs received as reimbursement on Coordinated Science Laboratory contracts and from general indirect costs reimbursements. An assignment of funds from these sources is also recommended.

I concur in these recommendations.

On motion of Mr. Hughes, these recommendations were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Jones, Mr. Kerner.

TERMINATION OF EMPLOYMENT OF RESIDENT AT RESEARCH AND EDUCATIONAL HOSPITALS

(11) On December 27, 1963, the Medical Director of the Research and Educational Hospitals terminated the employment of Dr. Arthur I. Broder as a full-time resident at the Research and Educational Hospitals on the basis of his admitted violation of regulations prohibiting private practice and his subsequent falsification to the head of his department concerning his participation therein. The Medical Director's action was taken after notice and hearing given to the individual, who thereafter delivered written notification to the Vice-President for the Medical Center that an appeal was desired and requested a hearing before the Board of Trustees. The individual has been advised that his request would be treated as a petition addressed to the discretion of the Board to grant a review of his case and I now present the same for that purpose.

The Medical Director's action in terminating the employment was taken upon the recommendation of each of the Head of the Department of Otolaryngology (to which the resident had been assigned), the Administrative Council of that Department, the Hospital Council, and the Executive Committee of the Research and Educational Hospitals. The Vice-President for the Medical Center has reviewed the matter and does not recommend modification of the action taken by the Medical Director.
The employment of residents at the Research and Educational Hospitals is considered to be an administrative function delegated to the Medical Director. In the case before you there is no dispute regarding the facts, the individual having admitted the charges of participating in an operation at a private hospital and subsequently falsely denying to the Head of the Department of Otolaryngology that he had done so. His principal contention has been throughout that the sanction imposed in terminating his employment in the last year of his residency is unnecessarily severe. The action taken by the Medical Director followed the recommendation not only of the department directly involved but also of the entire administrative organization of the Research and Educational Hospitals. The Vice-President in charge of the Medical Center campus has supported the termination.

Mindful of the appraisals and recommendations noted above, and mindful that even should one dissent from the decision of the Department Head and the Director of the Hospitals, these officers could not properly, under present rules, be directed to take a course of action against their professional judgment.

I recommend that the Board decline to exercise its discretion to review this case.

On motion of Mrs. Watkins, the Board voted to decline to exercise its discretion to review this case.

On motion of Mr. Williamson, the Board adjourned.

Following adjournment, Professors E. C. Jordan, Head of the Department of Electrical Engineering, Wendell E. Miller, Associate Head, George E. Anner, Willis L. Emery, and Director Ross J. Martin of the Engineering Experiment Station, were guests of the Board at luncheon. Professor Jordan and Director Martin addressed the Board, discussing the growth of the Department of Electrical Engineering since World War II and some of the research programs now under way. Following the luncheon, the Trustees visited the Electrical Engineering Building Addition and the Gaseous Electronics Laboratory.
MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

March 18, 1964

The annual meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Wednesday, March 18, 1964, beginning at 10:30 a.m. The date of this meeting had been changed by vote of the Board from the second Tuesday, March 10, to the third Wednesday, March 18.

President Howard W. Clement called the meeting to order and asked the Secretary to call the roll. The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins. Governor Otto Kerner and Mr. Kenney E. Williamson were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Dean Jack W. Peltason of the College of Liberal Arts and Sciences and Former Acting Provost, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Dr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Earl W. Porter, Assistant to the President (Reports and Projects), Mr. Vernon L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
The Board took up the special order of business for the annual meeting and Mr. Clement called for the election of officers.

**President of the Board**

Mr. Johnston nominated Mr. Clement; Mr. Pogue seconded the nomination.

Mr. Clement asked the Board to elect a temporary chairman for this election.

On motion of Mr. Johnston, Mr. Page was elected Chairman, *Pro Tempore*, by acclamation and took the chair.

On motion of Mr. Pogue, the nominations were closed and the Secretary was ordered to record the unanimous ballot of the Board for the election of Mr. Howard W. Clement as President. The ballot was so cast, and Mr. Clement was declared elected as President of the Board, to serve until the next annual meeting of the Board in March, 1965, or until his successor shall have been elected.

He took the chair and addressed the Board briefly, summarizing the issues which have confronted the Board and the developments of University programs to which the Board has been a party since he was first elected as President of the Board in 1962.

**Secretary of the Board**

Mr. Swain nominated Mr. A. J. Janata; Mrs. Watkins seconded the nomination.

On motion of Mrs. Watkins, the nominations were closed, and Mr. Janata was declared elected Secretary of the Board, to serve until the next annual meeting of the Board in March, 1965, or until his successor shall have been elected.

**Comptroller of the Board**

Mr. Pope nominated Mr. H. O. Farber; Mr. Swain seconded the nomination.

On motion of Mr. Swain, the Secretary was instructed to record the unanimous ballot of the Board for the election of Mr. Farber as Comptroller. The ballot was so cast and Mr. Farber was declared elected Comptroller, to serve until the next annual meeting of the Board in March, 1965, or until his successor shall have been elected.

**Executive Committee**

Mr. Pogue nominated Mr. Wayne A. Johnston and Mrs. Frances B. Watkins to serve as members of the Executive Committee, with the President of the Board as Chairman; Mr. Swain seconded the nominations.

On motion of Mr. Swain, the nominations were closed and the Secretary was instructed to record the unanimous ballot of the Board for the elections of Mr. Johnston and Mrs. Watkins to the Executive Committee. The ballot was so cast and Mr. Johnston and Mrs. Watkins were declared elected members of the Executive Committee, to serve until the next annual meeting of the Board in March, 1965, or until their successors shall have been elected.
Mr. Johnston offered the following resolution and moved its adoption:

Resolved, that the President and the Secretary of the Board of Trustees of the University of Illinois are authorized to delegate the signing of their names as President and Secretary, respectively, to vouchers to be presented to the Auditor of Public Accounts, and to warrants drawn on the Treasurer of the University, under the following conditions.

The President of the Board of Trustees is authorized to delegate to L. M. Dahlenburg, to R. N. Parker, and to E. M. Snyder in Urbana, to J. E. Osborn, to W. E. Cowart, and to H. O. Albers in Chicago, and to Edward F. Lis and to Helen Culbertson in Springfield, authority to sign his name as President of the Board of Trustees to vouchers against the Auditor of Public Accounts; and to C. C. De Long, to R. W. Zimmer, and to R. F. Wood in Urbana, and to J. E. Osborn, to W. E. Cowart, and to H. O. Albers in Chicago, authority to sign his name to warrants on the University Treasurer covering vouchers approved in accordance with regulations approved by the Board.

The Secretary of the Board of Trustees is authorized to delegate to Virginia J. Hendrix, to Catherine Cacioppo, to Earl W. Porter, to George H. Bargh, and to Everett G. Smith in Urbana; and to G. R. Moon, to Velma M. Davis, to Helen Wyle, to Margaret Mayer, and to Mrs. Antoinette Gyorke in Chicago, authority to sign his name as Secretary of the Board of Trustees to vouchers against the Auditor of Public Accounts and to warrants on the University Treasurer, covering vouchers approved in accordance with regulations of the Board. The Secretary of the Board of Trustees is also authorized to delegate to Addalein C. Hawk and to Lean C. Ryan in Springfield, authority to sign his name as Secretary of the Board of Trustees on vouchers against the Auditor of Public Accounts approved in accordance with the regulations of the Board. These authorizations are to continue in effect until the Auditor of Public Accounts has been supplied with specimen signatures of succeeding officers of this Board. And be it further

Resolved, that the First National Bank of Chicago as a designated depository of R. R. Manchester, Treasurer of this corporation, be and it (including its correspondent banks) is hereby requested, authorized, and directed to honor checks, drafts, or other orders for the payment of money drawn in this corporation's name, including those drawn to the individual order of any person or persons whose name or names appear thereon as signer or signers thereof, when bearing or purporting to bear the facsimile signatures of the two following: Howard W. Clement, President, and A. J. Janata, Secretary; and the First National Bank of Chicago (including its correspondent banks) shall be entitled to honor and to charge this corporation for all such checks, drafts, or other orders, regardless of by whom or by what means the facsimile signature or signatures thereon may have been affixed thereto, if such facsimile signature or signatures resemble the facsimile specimens duly certified to or filed with the First National Bank of Chicago by the Secretary or other officer of this corporation. And be it further

Resolved, that the Auditor of Public Accounts is hereby authorized and directed to honor vouchers bearing facsimile signatures of the President and the Secretary of the Board of Trustees of the University of Illinois if such facsimile signatures resemble the facsimile specimens duly certified to or filed with the Auditor of Public Accounts by the Secretary.

The resolution was unanimously adopted.

STANDING COMMITTEES FOR 1964-65

The President of the Board appointed the following standing committees to serve during the year 1964-65, or until their successors have been appointed following the annual meeting of the Board of Trustees in March, 1965.
The President of the University is a member, *ex officio*, of all standing committees.

*Agriculture*

EARL M. HUGHES, Chairman  
WAYNE A. JOHNSTON  
HAROLD POGUE

*Alumni*

THEODORE A. JONES, Chairman  
EARL M. HUGHES  
MRS. FRANCES B. WATKINS

*General Policy*

WAYNE A. JOHNSTON, Chairman  
THEODORE A. JONES  
HAROLD POGUE  
TIMOTHY W. SWAIN  
MRS. FRANCES B. WATKINS  
KENNEY E. WILLIAMSON

*Nonacademic Personnel*

Also representatives on the  
Civil Service Merit Board  
TIMOTHY W. SWAIN, Chairman  
EARL M. HUGHES  
HAROLD POGUE

*Athletic Activities*

HAROLD POGUE, Chairman  
IRVING DILLIARD  
MRS. FRANCES B. WATKINS

*Patents*

TIMOTHY W. SWAIN, Chairman  
IRVING DILLIARD  
THEODORE A. JONES

*Buildings and Grounds*

HAROLD POGUE, Chairman  
IRVING DILLIARD  
EARL M. HUGHES  
WAYNE A. JOHNSTON  
TIMOTHY W. SWAIN  
KENNEY E. WILLIAMSON

*State Universities Retirement System Representatives*

MRS. FRANCES B. WATKINS, Chairman  
WAYNE A. JOHNSTON  
THEODORE A. JONES

*Finance*

KENNEY E. WILLIAMSON, Chairman  
THEODORE A. JONES  
TIMOTHY W. SWAIN

*State Board of Higher Education Representatives*

HOWARD W. CLEMENT  
WAYNE A. JOHNSTON

**MASTER PLAN FOR HIGHER EDUCATION IN ILLINOIS**

Mr. Johnston offered the following resolution and moved its adoption:

The action of the Board of Higher Education on March 3, 1964, in approving a provisional Master Plan for Higher Education in Illinois is hereby endorsed by the Board of Trustees of the University of Illinois. This Board and the officers of the University have long urged that comprehensive planning for higher education in Illinois be undertaken on a professional basis.

The provisional plan is undergoing revision, at the direction of the Board of Higher Education, and the Trustees do not have the precise language of the revised plan and its official interpretation before them. However, it is the view of the Board of Trustees that the basic recommendations are consistent with the history of higher education in this state and with the main lines of professional opinion on the problems of higher education.

The main items of the provisional plan take into account the existing strengths of the institutions and provide flexible machinery for growth with effective planning and coordination. Moreover, the premises and guidelines are sound and the definition of the tasks incisive and accurate.

The construction inventory — including scope, costs, and priorities — requires further analysis; it appears to be inadequate for the tasks outlined. The estimates on operating costs are conservative. These reservations on the adequacy of the proposed financing, however, do not modify the essence of the plan and the
Board of Trustees commends the provisional recommendations to the attention of the people of the state.

This resolution was unanimously adopted.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT
President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES
(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded to the following candidates who passed the standard written examination given in November, 1963, and who have fulfilled all other legal requirements under Sections 1, 2, and 3 of the Illinois Accountancy Act of 1943 as amended.

CHARLES RICHARD BAERSON, Skokie, Illinois
ARCHIE JOSEPH BAKAY, Evanston, Illinois
GERALD TODD BALL, DeKalb, Illinois
FREDERICK HENRY BALLUFF, Jr., Broadview, Illinois
JOSEPH WILLIAM BEARD, Chicago, Illinois
ROGER LEIGHTON BECK, Chicago, Illinois
JON LINN BEERMANN, Chicago, Illinois
ROBERT GEORGE DUNCAN BENNETT, Skokie, Illinois
ISIDORO BERKMAN, Chicago, Illinois
DONALD HUGH BERNSTEIN, Chicago, Illinois
JAMES EDWIN BRANDS, Park Forest, Illinois
LANDON JAY BRAZIER, Chicago, Illinois
JOHN DEVERE BROCKHOUSE, Park Ridge, Illinois
JAMES BARRY BRODY, Chicago, Illinois
FRANK LAVERNE BROKAW, Skokie, Illinois
ROBERT BORUCH BROMBERG, Chicago, Illinois
MARGARET-MARY GORNY BUTSBACK, Chicago, Illinois
RONALD JOSEPH CARLSON, Aurora, Illinois
RICHARD JOHN CARROLL, Chicago, Illinois
THOMAS STEPHEN CARROLL, Chicago, Illinois
PAUL BENTON CARTER, Park Forest, Illinois
JERRY EDWIN CHANCELLOR, Chicago, Illinois
LEON ROY CHEESBROUGH, Chicago, Illinois
HORN CHEN, Chicago, Illinois
CHARLES DELBERT CHRISTENSEN, Jr., Chicago, Illinois
ROBERT STERLING CLOW, Naperville, Illinois
JAMES PAUL COHEN, Lincolnwood, Illinois
SHERIDAN ROBERT CUNNINGHAM, Park Forest, Illinois
JOHN COMAN, Jr., Chicago, Illinois
JAMES SAMUEL COX, Park Forest, Illinois
DONALD EUGENE CRAIG, Rockford, Illinois
DAVID BRUCE DAHL, Skokie, Illinois
WILLIAM JOSEPH DEKOKER, Rockford, Illinois
ROBERT JOSEPH DELACRUZ, Chicago, Illinois
WILLIAM ROBERT DLANO, Park Ridge, Illinois
DAVID LAWRENCE DEMOTTE, Villa Park, Illinois
JOSEPH JOHN DEVEREUX, Chicago, Illinois
WILLIAM ROBERT DOUGLAS, Skokie, Illinois
GILBERT DAVID DRUKER, Chicago, Illinois
JOSEPH CHARLES DUBOW, Chicago, Illinois
DAVID WILLARD DUSENSCHON, Danville, Illinois
RICHARD JOHN EGAN, Northbrook, Illinois
MAURICE MONTE EGERT, Chicago, Illinois
RUDOLPH PATRICK ENGSTROM, Villa Park, Illinois
BOARD OF TRUSTEES

THOMAS GEORGE ERRICO, Highland Park, Illinois
VICTOR MILES EVANS, Silvis, Illinois
LARRY DOUGLAS EWALD, Rochelle, Illinois
JERRY DAYNE FARR, Henry, Illinois
DAVID ALLEN FELTS, Villa Park, Illinois
DAVID ROBERT FELTS, Decatur, Illinois
YVONE EVELYN FERMAZIN, St. Charles, Illinois
RICHARD MATTHEW FIGURA, Chicago, Illinois
KENNETH NORMAN FINFER, Chicago, Illinois
BRUCE HAROLD FOSSLER, Evanston, Illinois
RICHARD IVES FREMGEN, Wheaton, Illinois
DONALD CHARLES FREUND, Crystal Lake, Illinois
BARRY ALAN FRIEDMAN, Chicago, Illinois
MARTIN BERNARD FRIEDMAN, Des Plaines, Illinois
RONALD ALLEN FRIEDMAN, Chicago, Illinois
GERALD FRISHMAN, Chicago, Illinois
MARIBELLE GANNON, Chicago, Illinois
RAYMOND WALTER GARRIGAN, Chicago, Illinois
LAWRENCE GERBER, Chicago, Illinois
JAMES LOUIS GLASSOCK, Park Ridge, Illinois
ALAN JOEL GLAZER, Chicago, Illinois
DAVID GLICKSTEIN, Chicago, Illinois
EARL DONALD GOLDENBERG, Chicago, Illinois
STUART RUSSELL GOLDSAND, Chicago, Illinois
ROGER EDWIN GORLICKI, Chicago, Illinois
PAUL JAMES GRIFFITHS, Palatine, Illinois
JOHN MILLER GROOM, Evanston, Illinois
RAYMOND MARTIN GROTHAUS, Chicago Heights, Illinois
EDWIN JOHN GUNLOCK, Chicago, Illinois
RONALD RAY GUTHOFF, Normal, Illinois
WAYNE WILLIAM HAACK, Cicero, Illinois
RAYMOND ALOYSIUS HAFTERPE, Stone Park, Illinois
RICHARD JAMES HALL, Downers Grove, Illinois
GEOFFREY WILLIAM HANDS, Lake Forest, Illinois
RICHARD DEE HANKS, Decatur, Illinois
DAVID PAUL HARTMAN, Chicago, Illinois
SEAN JOSEPH HASTINGS, Chicago, Illinois
JOHN JAMES HAUGHEY, Chicago, Illinois
THOMAS EDWIN HAUST, Chicago, Illinois
FRANK KENNETH HEAP, Evanston, Illinois
ALLEN ROY HOFMEISTER, Chicago, Illinois
PAUL HERMAN HOFFMEISTER, Chicago, Illinois
ARNOLD SHERWIN HORWICH, Skokie, Illinois
JAMES PAUL HUBER, Chicago, Illinois
JOSEPH FRANK HUGERY, Chicago, Illinois
LARRY DEAN INHELDERS, Chicago, Illinois
WARREN ALLEN IRELAND, Hinsdale, Illinois
NORMAN LOUIS ISRAEL, Chicago, Illinois
JAMES KENT JEANBLANC, Franklin Grove, Illinois
ROBERT JOSEPH JIROVEC, Cleveland, Ohio
ALAN HARRY JOHNSON, Evanston, Illinois
MICHAEL IRVING KAPLAN, Chicago, Illinois
RICHARD LEE KEYSER, Champaign, Illinois
RONALD DEAN KINDWALL, Evanston, Illinois
HAROLD NORMAN KLOPMAN, Chicago, Illinois
JAMES BERNARD KNOLL, Park Forest, Illinois
ROBERT EDWIN KOLB, Riverside, Illinois
JAMES MITCHELL KOLTVEIT, Rock Island, Illinois
MARTIN JERRY KOZAK, Chicago, Illinois
DAVID CHARLES KRAKAUER, Highland Park, Illinois
PAUL FRIESTAD KRUES, Westchester, Illinois
RONALD DANIEL KUBACKI, Oak Park, Illinois
DENNIS WADE KUEBER, Homewood, Illinois
LAWRENCE FRANCIS KUNKLER, Villa Park, Illinois
JEFFREY MAYER KUNZTISKY, Villa Park, Illinois
GEORGE HENRY LANE, Chicago, Illinois
LYLE JOSEPH LAVEAU, Park Forest, Illinois
Theodore Max Lawrence, Harrisburg, Illinois
John Bernard Lechner, Chicago, Illinois
Henry Gerald Lee, Springfield, Illinois
Miller Benton Lee, Mount Prospect, Illinois
Billy Lee Legg, Springfield, Illinois
Howard Leon, Chicago, Illinois
Marvin Ira Levine, Chicago, Illinois
Lester Walter Lincke, Riverdale, Illinois
Joanne Josephine Lipinski, Chicago, Illinois
William Burke Livey, Morton, Illinois
Edwin Arnold Lohmeyer, Chicago, Illinois
Thomas Joseph Loobey, Lincoln, Illinois
David James Lyons, Chicago, Illinois
Martin Leo Madenberg, Chicago, Illinois
Donald Emery Malcom, Belleville, Illinois
Neal Alan Mancoff, Chicago, Illinois
Lawrence Manelis, Skokie, Illinois
Raymond Peter Marschak, Chicago, Illinois
Leslie Robert Marshallsay, Rockford, Illinois
Robert Leo Marti, Highland, Illinois
Bruce William Matson, Roselle, Illinois
Robert Lee McAdams, Chicago, Illinois
Joseph Ignatius McCabe, Jr., Chicago, Illinois
Edward Stephen McGowan, Bloomington, Illinois
Sherman James Miller, Peoria, Illinois
James Curt Mingle, Pekin, Illinois
Donald Warren Moody, Elmhurst, Illinois
Joseph Francis Mooney, Park Forest, Illinois
George Newell Morgan, Elgin, Illinois
Lloyd Barry Morgan, Chicago, Illinois
Allen Ray Morris, Park Forest, Illinois
Larry Dean Mulcahy, Evanston, Illinois
Louis Gene Munin, Chicago, Illinois
Enid Nader, Chicago, Illinois
Clark Morrow Nelson, La Grange, Illinois
James Newell O'Connor, Zion, Illinois
JOHN Joseph Owens, Chicago, Illinois
Martin James Paluga, Chicago, Illinois
Stanley Howard Pantowich, Chicago, Illinois
Robert James Pausig, Rockford, Illinois
Carl Lyle Peterson, Lombard, Illinois
Thomas Edward Peterson, Chicago, Illinois
Morton B. Philip, Chicago, Illinois
John Ashbel Porter, Bellwood, Illinois
William Gregg Prescott, Rockford, Illinois
Richard Edward Pyburn, Downers Grove, Illinois
Richard Malcolm Radway, Chicago, Illinois
Lawrence Sherwin Revsine, Chicago, Illinois
Donald Leo Reynolds, Jr., Evanston, Illinois
Madeline Jeanette Roberts, Chicago, Illinois
William Edward Robinson, Franklin Park, Illinois
Gordon Lee Rosenberger, Chicago, Illinois
Richard Joseph Roth, Olney, Illinois
Jerald Leon Rothchild, Lincolnwood, Illinois
Sanford Rubens, Chicago, Illinois
John Lee Rumsfield, Park Ridge, Illinois
Timothy John Ryan, Chicago, Illinois
Edwin Joseph Rydel, Chicago, Illinois
Mandel Toby Schenk, Chicago, Illinois
Erwin Jacob Schmidt, Oak Park, Illinois
Gary Jay Schwartz, Chicago, Illinois
Roy Irwin Schwartz, Chicago, Illinois
Samuel Allen Schwartz, Chicago, Illinois
William August John Schwartz, Chicago, Illinois
David Bruce Selig, Chicago, Illinois
Gerald J. Senescu, Chicago, Illinois
Lester Shapiro, Chicago, Illinois
Thomas Joseph Sheehy, Chicago, Illinois
Lloyd Edward Sefsky, Chicago, Illinois
Thomas Albert Skalitzky, Oak Lawn, Illinois
Janet Wood Skoglund, Lincolnwood, Illinois
William Keith Smutny, Chicago, Illinois
Richard Ray Snyder, Oak Park, Illinois
JOSEPH HENRY SOBIESKI, Chicago, Illinois
RICHARD CHARLES SPINGOLA, Chicago, Illinois
GUSTAV ALFRED STRASSBURGER, Chicago, Illinois
EDWARD LEON STREIT, Crystal Lake, Illinois
JOSEPH ROGER TARDIF, Berkeley, Illinois
STEPHEN MARTIN TAXE, Chicago, Illinois
JAMES ORRIN TEETER, Westchester, Illinois
RICHARD DONALD TELKAMP, Lake Zurich, Illinois
MELVIN GEORGE THOMAS, Chicago, Illinois
IAN THOMSON, Evanston, Illinois
JOHN CULLEN TRUE, Chicago, Illinois
NEAL ROBERT TYSON, Chicago, Illinois
TERRY DOUGLAS UDDENBERG, Chicago, Illinois
CHARLES WILLIAM VOIGTS, Joliet, Illinois
JOHN THOMAS WALSH, Chicago, Illinois

JAMES JOSEPH WARD, Park Ridge, Illinois
RAYMOND MARION WEEKS, Aurora, Illinois
VAN EMAN WELLS, Mount Prospect, Illinois
IRVING WILLIAM WENDT, Chicago, Illinois
MERRILL JOEL WERTHEIMER, Chicago, Illinois
DONALD DEAN WHITE, North Riverside, Illinois
JAMES WINIKATES, Chicago, Illinois
HAROLD DON WIRTH, Peoria, Illinois
JOHN HUBERT WOLTER, Hinsdale, Illinois
DALE EDWARD WRIGHT, Western Springs, Illinois
RICHARD EUGENE YANKE, Sr., Elmhurst, Illinois
FRANK MORTIMER YOUNG, Oak Park, Illinois
JAMES NICHOLAS ZALOUDEK, Downers Grove, Illinois
RICHARD HUEBNER ZEDER, Wilmette, Illinois

The Committee on Accountancy also recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>RONALD JOSEPH HARLOW</td>
<td>New York, New York</td>
<td>New York</td>
</tr>
<tr>
<td>THOMAS ANDREW KINCANON</td>
<td>Centralia, Illinois</td>
<td>Virginia</td>
</tr>
<tr>
<td>GLEN RICHARD OSTDIEK</td>
<td>Morton Grove, Illinois</td>
<td>Nebraska</td>
</tr>
<tr>
<td>GEORGE HALLETT SHELTON</td>
<td>Wilmette, Illinois</td>
<td>Louisiana</td>
</tr>
<tr>
<td>RUSSELL URQUHART</td>
<td>Wilmette, Illinois</td>
<td>New York</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Johnston, these certificates were awarded.

APPOINTMENTS TO THE BOARD OF DIRECTORS OF THE ATHLETIC ASSOCIATION

(2) Submitted herewith are nominations for appointments to the Board of Directors of the Athletic Association of the University of Illinois, to become effective as of today and to continue until the next annual meeting of the Board of Trustees of the University of Illinois in 1965, or until the successors of these Directors have been appointed.

Faculty

PAUL M. VAN ARSDELL, Professor and Head of the Department of Finance in the College of Commerce and Business Administration (reappointment; has served since 1961).

GEORGE W. WHITE, Professor and Head of the Department of Geology (reappointment; has served since 1962).

LESLIE A. BRYAN, Professor of Management and Director of the Institute of Aviation (reappointment; Director Bryan is also the University of Illinois Faculty Representative in the Western Intercollegiate Conference, and his appointment as a faculty representative on the Board of Directors of the Athletic Association is an ex officio assignment).
H. S. Stillwell, Professor and Head of the Department of Aeronautical and Astronautical Engineering (new appointment).

Alumni Association

George R. Catlett, Class of 1939; partner in the firm of Arthur Andersen and Company, Certified Public Accountants, 120 South LaSalle Street, Chicago (reappointment; Mr. Catlett has been serving on the Board since March, 1961).

Charles C. Dadant, Class of 1941, Member of the firm of Dadant and Sons, Inc., Hamilton (reappointment; Mr. Dadant has been serving on the Board since March, 1963).

Charles H. Stotz, Class of 1939, Executive Secretary, West Suburban Young Men's Christian Association, La Grange (new appointment).

On motion of Mr. Pogue, these appointments were approved.

HONORARY DEGREES

(3) The University Senates have recommended that honorary degrees be conferred upon the following and on the occasions indicated.

Adlai Ewing Stevenson, United States Representative to the United Nations, and former Governor of Illinois, the degree of Doctor of Humane Letters, to be conferred at the Honors Day Convocation on May 1, 1964, at which Ambassador Stevenson will give the Honors Day address.

Virgil Melvin Hancher, President of the State University of Iowa, the degree of Doctor of Arts, to be conferred at the Commencement Exercises for graduates of the colleges at the Medical Center in Chicago on June 11, 1964, at which President Hancher will give the Commencement address.

W. Albert Noyes, Jr., Distinguished Professor of Chemistry, Retired, at the University of Rochester; former Head of the Department of Chemistry, former Dean of the Graduate School, and former Acting Dean of the College of Arts and Sciences at the University of Rochester; and now Professor at the University of Texas, the degree of Doctor of Science, to be conferred at the Commencement Exercises at Urbana-Champaign on June 13, 1964. Dr. Noyes will deliver the Commencement address on June 13. He is the son of the late Dr. William Albert Noyes, Sr., who was Head of the Department of Chemistry and Chemical Engineering from 1907-26.

Ludwig Mies Van Der Rohe, distinguished architect, former Director of the School of Architecture at the Illinois Institute of Technology, now retired, the degree of Doctor of Fine Arts, to be conferred at the Commencement Exercises at Urbana-Champaign on June 13, 1964.

I concur in the recommendations of the Senates.

On motion of Mr. Dilliard, these degrees were authorized, as recommended.

APPOINTMENTS TO THE FACULTY

(4) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. Paul Chung, Assistant Professor of Prosthodontics, College of Dentistry, on two-fifths time, for six months from February 1, 1964, at a salary of $2,200.

2. Robert O. Crumney, Assistant Professor of History, beginning September 1, 1964, at an annual salary of $7,400.

3. Anthony J. Diekema, Assistant Dean of Admissions and Records, Medical Center, beginning August 1, 1964, at an annual salary of $12,000.

4. Robert W. Edwards, Assistant Professor of Architecture, beginning March 1, 1964, at an annual salary of $8,000.

5. Margaret Y. George, Assistant Professor of Social Sciences, Chicago Undergraduate Division, for the second semester of 1963-64, at a salary of $3,500.

6. Emily S. Girault, Assistant Professor of Secondary and Continuing Education, beginning September 1, 1964, at an annual salary of $8,600.

7. William J. Greek, Clinical Assistant Professor of Public Health, College of Dentistry, beginning February 1, 1964, without salary.

8. J. Francis Hartmann, Research Professor of Neurobiology, College of Medicine, for one year from September 1, 1964, without salary.
9. **HANS HENNECKE**, Visiting Associate Professor of Germanic Languages, for the second semester of 1963-64, at a salary of $5,000.

10. **SOLOMON B. LEVINE**, Professor of Labor and Industrial Relations, 45 per cent time, on indefinite tenure, and Director of the Asian Studies Program, 55 per cent time, from March 1, 1964, through August 31, 1965, at an annual salary of $14,300. This appointment is a change in status to formalize his assignment as Director of the Asian Studies Program which he has been administering on a temporary basis since September 1, 1963.

11. **WILLIAM A. LONGACRE II**, Visiting Assistant Professor of Anthropology, for the second semester of 1963-64, at a salary of $3,750.

12. **ALUN O. MORRIS**, Visiting Assistant Professor of Mathematics, for one year from September 1, 1964, at an annual salary of $8,500.

13. **JOSEPH P. MURTHA**, Associate Professor of Civil Engineering, on one-half time, and Director of the Water Resources Center, Graduate College, on one-half time, beginning March 1, 1964, at an annual salary of $10,200. This appointment is a change in status to include his assignment as Director of the Water Resources Center in the Graduate College, recently established by the Board of Trustees.

14. **JOHN A. TESK**, Assistant Professor of Engineering Sciences, Chicago Undergraduate Division, beginning February 1, 1964, at an annual salary of $8,250.

15. **WILMOT A. THORNTON**, Assistant Professor of Zoonotic Ecology, Department of Veterinary Pathology and Hygiene, and Associate Member of the Center for Zoonoses Research, beginning May 15, 1964, at an annual salary of $10,500.

16. **COLIN G. WEBB**, Assistant Extension Editor with rank of Assistant Professor, College of Agriculture, Agricultural Experiment Station, and Cooperative Extension Service in Agriculture and Home Economics, for one year from March 1, 1964, at a salary of $10,000.

On motion of Mr. Hughes, these appointments were confirmed.

**DEANSHIP OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES**

(5) On nomination of a special committee appointed for this purpose, and after consultation with the Executive Committee of the College of Liberal Arts and Sciences, I recommend the appointment of Dr. Robert W. Rogers, Professor and Head of the Department of English, as Professor of English on indefinite tenure and Dean of the College of Liberal Arts and Sciences beginning July 1, 1964, at an annual salary of $23,500 on a twelve-month service basis. The appointment as Dean will be from July 1, 1964, through August 31, 1965, which is consistent with the statutory provisions of biennial tenure of deans, such appointments usually coinciding with the fiscal biennium.

The Executive Vice-President and Provost and the Acting Dean of the Graduate College support this recommendation.

On motion of Mr. Swain, this appointment was approved.

**DEANSHIP OF COLLEGE OF EDUCATION**

(6) Following consultations with a search committee appointed to make recommendations of candidates for the position of Dean of the College of Education and with the Executive Committee of the College, I recommend the appointment of Dr. Rupert N. Evans, presently Professor of Vocational and Technical Education and Associate Dean of the College, as Dean of the College of Education beginning September 1, 1964, at an annual salary of $20,000 on a twelve-month service basis. Dr. Evans will continue to hold the rank of Professor on indefinite tenure. The appointment as Dean is for one year from September 1, 1964; and thereafter

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1 Professors Max H. Fisch, Department of Philosophy, Chairman; Edward H. Davidson, Department of English; Ralph T. Fiske, Jr., Department of History; Donald R. Hodges, Department of Economics; Herbert A. Laitinen, Department of Chemistry and Chemical Engineering; and John R. Laughman, Department of Botany.
2 Professors J. Thomas Hastings, Department of Educational Psychology and Office of Educational Testing, Chairman; R. Will Burnett, Department of Secondary and Continuing Education; Lloyd G. Humphreys, Department of Psychology; John E. McGill, Department of Elementary Education; Joseph B. Casagrande, Department of Anthropology; and B. Othanel Smith, Bureau of Educational Research.
subsequent appointments as Dean will be for two-year periods consistent with the
standard, statutory biennial tenure for college deans.

The appointment of Professor Evans will fill the vacancy which will be
created by the retirement of Dean Alonzo G. Grace at the end of the current
academic year.

The Executive Vice-President and Provost and the Acting Dean of the
Graduate College concur in this recommendation.

On motion of Mr. Page, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF SLAVIC
LANGUAGES AND LITERATURES

(7) The Dean of the College of Liberal Arts and Sciences recommends the
appointment of Dr. Lew R. Mickleseon, presently Visiting Professor at the
University of Colorado, as Professor on indefinite tenure and Head of the De-
partment of Slavic Languages and Literatures beginning September 1, 1964, at
an annual salary of $17,000.

This appointment will fill the vacancy created by the resignation of Professor
R. E. Matlaw, and is submitted after consultation with all appropriate members
of the faculty of the Department. It is concurred in by the Acting Dean of the
Graduate College and the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF PHILOSOPHY
AT THE CHICAGO UNDERGRADUATE DIVISION

(8) The Dean of the College of Liberal Arts and Sciences at the Chicago Under-
graduate Division and the Vice-President for the Division recommend the
appointment of Dr. (Mrs.) Ruth B. Marcus, presently a National Science Foun-
dation Fellow (on leave of absence as Associate Professor at Roosevelt Univer-
sity), as Professor of Philosophy on indefinite tenure and Head of the
Department of Philosophy at the Chicago Undergraduate Division beginning
September 1, 1964, at an annual salary of $15,000 on a nine-month (academic
year) service basis.

This appointment is unanimously recommended by a special search committee1
and is submitted after consultation with appropriate members of the Department.
The Executive Vice-President and Provost and the Acting Dean of the Graduate
College concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

CHAIRMANSHIP OF THE DEPARTMENT OF ARCHITECTURE
AT THE CHICAGO UNDERGRADUATE DIVISION

(9) The Dean of the College of Architecture and Art and the Vice-President
for the Chicago Undergraduate Division recommend the appointment of Donald
D. Hanson, presently Associate Professor in the Department of Architecture at
Urbana, as Associate Professor of Architecture on indefinite tenure and Chair-
man of the Department of Architecture at the Chicago Undergraduate Division
for one year, beginning September 1, 1964, at an annual salary of $13,100 for
services during each academic year.

This appointment will fill the vacancy created by the retirement of Professor
H. B. McEldowney, Head of the Department and Assistant Dean of the College,

1Stanley L. Jones, Professor of History; Kenneth M. Madison, Professor of Biology;
Mrs. Sandra L. Bartky, Instructor in Philosophy; all at the Chicago Undergraduate Division;
and Bernard J. Diggs, Professor and Chairman of the Department of Philosophy at Urbana.

On motion of Mr. Swain, this appointment was approved.
SABBATICAL LEAVES OF ABSENCE, 1964-65

(10) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1964-65 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated.

In accordance with the established procedure, the programs of research, study, and travel for which leaves are requested have been examined by the University Research Board, which advises the President in such matters, and by the Executive Vice-President and Provost, who concurs.

College of Agriculture

Administration

CECIL D. SMITH, Assistant Dean of the College of Agriculture with rank of Professor, six months beginning July 1, 1964, full pay.

Department of Agricultural Economics

NORMAN G. P. KRAUSZ, Professor of Agricultural Law, six months beginning August 1, 1964, full pay.

Department of Agricultural Engineering

WENDELL BOWERS, Associate Professor of Agricultural Engineering, six months beginning October 1, 1964, full pay.

DONALD G. JEDDELE, Associate Professor of Agricultural Engineering, full year beginning September 1, 1964, one-half pay, or six months beginning January 1, 1965, full pay; full-year leave contingent upon receipt of supplementary financial aid.

Department of Agronomy

SAMUEL R. ALDRICH, Professor of Soil Fertility Extension, six months beginning July 1, 1964, full pay.

ROBERT DALE SEIF, Associate Professor of Biometry, six months beginning September 1, 1964, full pay.

Department of Dairy Science

ROBERT W. TOUCHBERRY, Professor of Genetics, six months beginning February 1, 1965, full pay.

MEYER J. WOLIN, Associate Professor of Bacteriology, full year beginning September 1, 1964, one-half pay; leave contingent upon receipt of supplementary financial aid.

Department of Horticulture

FRANK W. OWEN, Associate Professor of Horticulture, six months beginning September 1, 1964, full pay.

Department of Plant Pathology

ARTHUR L. HOOKER, Professor of Plant Pathology and of Agronomy, full year beginning September 1, 1964, one-half pay.

College of Commerce and Business Administration

Department of Accountancy

GERALD D. BRIGHTON, Associate Professor of Accountancy, first semester, full pay.

DONALD H. SKADDEN, Professor of Accountancy, second semester, full pay.

Department of Economics

DWIGHT P. FLANDERS, Professor of Economics, second semester, full pay.

HORACE M. GRAY, Professor of Economics, second semester, full pay.

WILLIAM A. NEISWANGER, Professor of Economics, second semester, full pay.

Department of Finance

ROBERT A. HEDGES, Associate Professor of Finance, second semester, full pay.
College of Education

DAVID P. AUSUBEL, Professor of Educational Psychology, Bureau of Educational Research, first semester, full pay.
KENNETH B. HENDERSON, Professor of Secondary and Continuing Education, second semester, full pay.
HENRY F. KAISER, Professor of Educational Psychology, Bureau of Educational Research, and Professor of Psychology, six months beginning March 1, 1965, full pay.
MERLE M. OHMSEN, Professor of Educational Psychology, first semester, full pay.

College of Engineering

Coordinated Science Laboratory

DANIEL ALPERT, Director of Coordinated Science Laboratory and Professor of Physics, six months beginning January 1, 1965, full pay.
RICHARD M. BROWN, Research Professor in the Coordinated Science Laboratory and Research Professor of Physics and of Electrical Engineering, six months from October 1, 1964, full pay, or full year from September 1, 1964, one-half pay.

Department of Electrical Engineering

WILLIAM R. ASHBY, Professor of Electrical Engineering, six months from September 1, 1964, one-half pay.
GEORGES A. DESCHAMPS, Professor of Electrical Engineering, first semester, full pay.
LADISLAS GOLDSTEIN, Professor of Electrical Engineering, first semester, full pay.

Department of Mechanical and Industrial Engineering

GEORGE W. HARPER, Professor of Mechanical Engineering, second semester, full pay.

Department of Physics

FELIX T. ADLER, Professor of Physics and of Nuclear Engineering, second semester, full pay.
FREDERICK C. BROWN, Professor of Physics, full year beginning September 1, 1964, one-half pay; leave contingent upon receipt of supplementary financial aid.
RUDOLF HAAG, Professor of Physics, first semester, one-half pay.
JAMES S. KOEHLER, Professor of Physics, second semester, full pay.
RALPH O. SIMMONS, Associate Professor of Physics, second semester, full pay.

College of Fine and Applied Arts

Department of Architecture

GRANVILLE S. KEITH, Professor and Chairman of Department of Architecture, second semester, full pay.

Department of Art

GLENN R. BRADSHAW, Professor of Art, first semester, full pay.
NICHOLAS BRITSKY, Professor of Art, full year beginning September 1, 1964, one-half pay, or second semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.
JAMES D. HOGAN, Professor of Art, second semester, full pay.
NICOLA ZIROLI, Professor of Art, first semester, full pay.

Department of City Planning and Landscape Architecture

WALTER M. KEITH, Professor of Landscape Architecture and Director of Robert Allerton Park, first semester, full pay.

School of Music

DOROTHY E. CLARK, Associate Professor of Music and Counselor in the Student Counseling Service, second semester, full pay.
HUBERT KESSLER, Professor of Music, second semester, full pay.
EVERETT D. KESINGER, Associate Professor of Music and Assistant Director of University Bands, second semester, full pay.
JACK H. MCKENZIE, Associate Professor of Music and of Bands, first semester, full pay.
SOUILMA STRAVINSKY, Professor of Music, second semester, full pay.
LUDWIG E. ZIRNER, Professor of Music, second semester, full pay.

College of Journalism and Communications

Department of Advertising
HUGH W. SARGENT, Associate Professor of Advertising, full year beginning September 1, 1964, one-half pay.

Institute of Communications Research
CHARLES E. OSGOOD, Research Professor and Director of the Institute of Communications Research and Professor of Psychology, first semester, full pay.

Department of Journalism
GLENN HANSON, Associate Professor of Journalism, second semester, full pay.

Institute of Labor and Industrial Relations
WALTER H. FRANKE, Associate Professor of Labor and Industrial Relations, full year beginning September 1, 1964, one-half pay, or six months from September 1, 1964, full pay; full-year leave contingent upon receipt of supplementary financial aid.
MILFERD LIEBERTHAL, Associate Professor of Labor and Industrial Relations, six months from September 1, 1964, full pay.
HARRY C. TRIANDIS, Associate Professor of Labor and Industrial Relations and of Psychology, full year beginning September 1, 1964, one-half pay.

College of Law
GEORGE T. FRAMPTON, Professor of Law, second semester, full pay.
EUGENE F. SCOLES, Professor of Law, full year beginning September 1, 1964, one-half pay, or second semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.

College of Liberal Arts and Sciences

Department of Botany
WILSON N. STEWART, Professor of Botany, second semester 1964-65, and first semester 1965-66, one-half pay, or first semester 1965-66, full pay; full-year leave contingent upon receipt of supplementary financial aid.

Department of Chemistry and Chemical Engineering
JOHN C. BAILAR, JR., Professor of Inorganic Chemistry, second semester, full pay.
THEODORE L. BROWN, Associate Professor of Inorganic Chemistry, full year, one-half pay.
JOHN M. CLARK, Assistant Professor of Biochemistry, full year beginning February 1, 1965, one-half pay; or second semester 1964-65, full pay.
RICHARD S. JUVET, JR., Associate Professor of Analytical Chemistry, full year beginning September 1, 1964, one-half pay.
KENSAL E. VAN HOLDE, Associate Professor of Physical Chemistry, full year beginning September 1, 1964, one-half pay; leave contingent upon receipt of supplementary financial aid.

Department of English
WALTER J. CHAMBERLIN, Assistant Professor of Business English, second semester, full pay.
WILLIAM M. CURTIN, Assistant Professor of English, full year beginning September 1, 1964, one-half pay.
DONALD JOSEPH HOGAN, Assistant Professor of English, full year beginning September 1, 1964, one-half pay.
WILLIAM H. McBURNETY, Associate Professor of English, full year beginning September 1, 1964, one-half pay.

JACK STILLINGER, Associate Professor of English, full year beginning September 1, 1964, one-half pay.

Department of Entomology

CLYDE W. KEARNS, Professor and Head of the Department of Entomology, full year beginning September 1, 1964, one-half pay.

Department of Geology

RALPH E. GRIM, Research Professor of Geology, full year beginning September 1, 1964, one-half pay.

Department of Germanic Languages and Literatures

P. M. MITCHELL, Professor of German, full year beginning September 1, 1964, one-half pay.

Department of History

RALPH T. FISHER, JR., Professor of History and Director of Center for Russian Language and Area Studies, full year beginning September 1, 1964, one-half pay.

Department of Mathematics

COLIN R. BLYTH, Professor of Mathematics, first semester, full pay.

WILLIAM W. BOONE, Professor of Mathematics, first semester, full pay.

JOSEPH L. DOOB, Professor of Mathematics and Member of the Center for Advanced Study, full year beginning September 1, 1964, one-half pay.

FRANZ E. HOHN, Professor of Mathematics, full year beginning September 1, 1964, one-half pay.

Department of Microbiology

JOHN W. DRAKE, Assistant Professor of Microbiology, full year beginning September 1, 1964, one-half pay.

Department of Philosophy

CHARLES E. CATON, Assistant Professor of Philosophy, second semester, full pay.

HARRY M. TIEBOUT, JR., Associate Professor of Philosophy, first semester, full pay.

Department of Physiology and Biophysics

HOWARD S. DUCOFF, Associate Professor of Physiology, full year beginning August 1, 1964, one-half pay.

ROBERT E. JOHNSON, Professor of Physiology and Director of the University Honors Programs, full year beginning September 1, 1964, one-half pay.

Department of Psychology

RAYMOND B. CATTELL, Research Professor of Psychology, January 1 through April 30, 1965, full pay.

WILLIAM E. KAPPAUF, Professor of Psychology, full year beginning September 1, 1964, one-half pay, or second semester, full pay; full-year leave contingent upon receipt of supplementary financial aid.

LEIGH M. TRIANDIS, Associate Professor of Psychology, second semester, one-half pay.

Department of Speech and Theatre

WEBSTER L. SMALLEY, Assistant Professor of Speech and of Radio and Television, second semester, full pay.
College of Physical Education

*Department of Physical Education for Men*

ALFRED W. HUBBARD, Professor of Physical Education for Men, second semester, full pay.

**Jane Addams Graduate School of Social Work**

JENNETTE R. GRUENER, Professor of Social Work, full year beginning September 1, 1964, one-half pay.

DONALD E. LATHROP, Associate Professor of Social Work, first semester, full pay.

**Executive Vice-President and Provost's Office**

JAMES F. KAMMAN, Clinical Counselor and Supervisor of Testing with rank of Associate Professor, Student Counseling Service, full year beginning September 1, 1964, one-half pay.

**Chicago Undergraduate Division**

DANIEL K. ANDREWS, Assistant Professor of Finance, second semester, full pay.

LOUIS A. BERNARDO, Associate Professor of Psychology and Counselor, Student Counseling Service, full year beginning September 1, 1964, one-half pay, or six months beginning September 15, 1964, full pay; full-year leave contingent upon receipt of supplementary financial aid.

LOUIS BROUSSARD, Assistant Professor of English, second semester, full pay.

SIDNEY F. GLASSMAN, Professor of Biological Sciences, first semester, full pay.

ROSALIND A. KLAAS, Assistant Professor of Chemistry, second semester, full pay.

VIVIAN C. LIPMAN, Assistant Professor of Psychology, first semester, full pay.

ALCIS PABARCIUS, Assistant Professor of Civil Engineering, second semester, full pay.

**Chicago Medical Center**

NORMAN R. ALPERT, Associate Professor of Physiology, six months beginning January 1, 1965, full pay.

CLARENCE A. JOHNSON, Associate Professor of Biological Chemistry, six months beginning January 1, 1965, full pay.

EDITH K. MACRAE, Associate Professor of Anatomy, full year beginning September 1, 1964, one-half pay.

AKIRA OMACHI, Associate Professor of Physiology, six months beginning January 1, 1965, full pay.

EARL W. RENFROE, Professor of Orthodontics, full year beginning January 1, 1965, one-half pay; leave contingent upon receipt of supplementary financial aid.

NATALIE R. SELTZER, Assistant Professor of Medical Social Work, full year beginning September 1, 1964, one-half pay; or six months beginning January 1, 1965, full pay; full-year leave contingent upon receipt of supplementary financial aid.

On motion of Mr. Dilliard, these leaves were granted, as recommended.

**APPOINTMENTS TO CENTER FOR ADVANCED STUDY**

(11) Upon recommendation of the Executive Committee of the Center for Advanced Study, and with the concurrence of the Acting Dean of the Graduate College and the Executive Vice-President and Provost, I submit the following nominations for appointments to the Center for Advanced Study for the period and for the program of research or study as indicated.

**Members**

*For Five-Year Terms Beginning September 1, 1964*

SOL SPIEGELMAN, Professor of Microbiology (new appointment).

Professor Spiegelman was born December 14, 1914, in New York City and received his undergraduate education at College of the City of New York. He received the Ph.D. degree in cellular physiology from Washington Uni-
versity in 1943. He served as Instructor and Assistant Professor in Bacteriology in the Washington University School of Medicine, 1945-48, was a Special Fellow of the United States Public Health Service 1948-49, and came to the University of Illinois as Professor of Bacteriology (later Microbiology) in 1949. Professor Spiegelman has received several recognitions and awards, including the Pasteur Award of the Illinois Society of Microbiologists in 1963 and selection as one of two United States biologists invited by the Pope to attend an international conference in the Vatican in 1961. He is a member of many scientific societies and has served on several committees of the National Institutes of Health. He recently delivered the Jesup Lectures at Columbia University, an honor bestowed on a select group of scholars.

JOHN BARDEEN, Professor of Electrical Engineering and of Physics (reappointment).

JOSEPH L. DOOB, Professor of Mathematics (reappointment).

JULIAN H. STEWARD, Research Professor of Anthropology (reappointment).

Associate Members

ALFREDO ANG, Associate Professor of Civil Engineering, for one year from September 1, 1964; to develop basic mathematical approaches to general behavioral theories of nonlinear solids, including hardening plasticity and thermoplasticity.

ARTHUR E. BARKER, Professor of English, first semester; to complete a study of the theological context and the psychological, ethical, and poetic implications of John Milton's theory of religious experience.

MARGARET CHANDLER, Professor of Sociology, Chicago Undergraduate Division, for the academic year 1964-65; to make a statistical analysis and interpretation of research data being collected currently in Japan concerning Japanese industry and industrial management.

EVELYN FRANK, Professor of Mathematics, Chicago Undergraduate Division, for the academic year 1964-65; to prepare a scholarly treatise on numerical continued fractions.

GEORGIANA JACIELLO, Assistant Professor of Medicine, Medical Center, for the academic year 1964-65; to study meiotic divisions of the human spermatocyte and oocyte in normal and pathological states.

J. ROBERT KELLY, Professor of Music, first semester; an extension of his Associate Membership to complete an opera to be entitled "The White Gods" based on the conquest of Aztec, Mexico, by Cortez.

DAVID LAZARUS, Professor of Physics, for one year from September 1, 1964, on one-half time in the Center; to study the processes surrounding the formation and motion of point defects in solids with particular emphasis on their role in diffusion studies, nuclear magnetic resonance, internal friction, and microvolt potentiometry.

LEE A. RUBEL, Associate Professor of Mathematics, first semester; to study the Riemann Hypothesis and to attempt to generalize the Nevanlinna theory of meromorphic functions, one of the major tools in mathematical analysis.

SUNDARAM SESEHU, Professor of Electrical Engineering and Research Professor in the Coordinated Science Laboratory, for the academic year 1964-65; to carry on research in the fields of self-repairing machines and sequential machines.

MICHIO SUZUKI, Professor of Mathematics, first semester; to carry on studies aimed at the ultimate goal of classifying all the finite simple groups.

NELSON WAX, Professor of Electrical Engineering and Research Professor in the Coordinated Science Laboratory, for the academic year 1964-65; to study the theory of driven nonlinear oscillators and to complete a study of asymptotic coding bounds and decipherability in codes.

On motion of Mr. Hughes, these appointments were approved.

APPROPRIATION FOR RESIDENCES AT DIXON SPRINGS EXPERIMENT STATION

(12) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend an appropriation of $14,000 to remodel two residences at the Dixon Springs Experiment Station, one of which will be in lieu of a new
residence for the Superintendent for which the Board of Trustees approved the employment of an architect on September 19, 1962.

I concur.

On motion of Mr. Johnston, this appropriation was made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

CONTRACT AND APPROPRIATION FOR AIR-CONDITIONING INSTALLATION IN LABOR AND INDUSTRIAL RELATIONS BUILDING

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $38,753 to the Reliable Plumbing and Heating Company, Champaign, the lowest bidder, for completion of air conditioning installations in the Institute of Labor and Industrial Relations Building, subject to an appropriation of funds for this work.

The Committee on Nonrecurring Appropriations has approved in principle funds for the project. The Physical Plant Department has estimated that $41,700 will be needed for the contract now being recommended plus other costs.

I recommend award of this contract and assignment of $41,700 from the General Reserve.

On motion of Mr. Swain, this contract was awarded, and the requested assignment of funds was approved, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

CONTRACT FOR LABORATORY EQUIPMENT IN RESEARCH AND EDUCATIONAL HOSPITALS

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $3,335 to the Metalab Equipment Company, Chicago, Illinois, the lowest bidder, for furnishing and setting in place laboratory equipment in the Research and Educational Hospitals.

This work is being done to complete remodeling for teaching and patient care in the Department of Pediatrics in the addition to the Hospitals.

Funds are available in state capital appropriations to the University.

I concur.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

CONTRACT FOR PAINTING HEATING PLANT AT CONGRESS CIRCLE

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $11,788 to William S. Alt and Son, Chicago, the lowest bidder, for finish painting of the heating plant under construction at Congress Circle.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released.

I concur.

On motion of Mr. Johnston, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

CLAIM FOR ADDITIONAL COMPENSATION

(16) In 1961 a contract was awarded to F. R. Inskip, doing business as F. R. Inskip and Company, for air-conditioning installations in the construction of the Physics Building and the work is now completed. The contractor has asserted
that he is entitled to additional compensation under the contract on the ground that actions taken by the University required him to do work that was different from or not specified in the contract documents, and thereafter he filed suit in the Circuit Court of Champaign County claiming damages in the amount of $31,443.93. Negotiations have proceeded with respect to the work in question, and the contractor has now agreed to accept the sum of $5,950 in full payment and satisfaction of all of his claims against the University under the contract.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel are of the opinion that said amount is reasonable in view of the work performed and recommend that a final settlement between the University and the contractor be approved and authorized on the basis stated. Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Page, this settlement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**CONTRACT FOR CIVIL ENGINEERING BUILDING STORM SEWER DIVERSION**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $16,459.25 to Clancy Construction Company, Urbana, the lowest bidder, for construction of a storm sewer diversion around the Civil Engineering Building site, a necessary improvement incidental to construction of the new building.

Funds are available in the state capital appropriations to the University for 1963-65 and have been released.

I concur.

On motion of Mr. Swain, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

**ADDITION TO CONTRACT FOR CONSTRUCTION OF ADMINISTRATION BUILDING ADDITION**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $15,412.50 in the contract with Kuhne-Simmons Company, Inc., for construction of the Administration Building Addition to include installation of condensate piping between the mechanical equipment room in the east basement of the addition and the proposed location of the cooling towers on the roof of the Administration Building West.

Funds are available in the construction budget for this project.

I concur.

On motion of Mr. Johnston, this change in contract was authorized.

**ESTATE OF ANNA M. GULICK, DECEASED**

(19) On February 19, 1964, the Board approved joining with Northwestern University in instituting a suit to contest the documents admitted to probate as the Last Will and Testament of Anna M. Gulick. Subsequent negotiations involving the University, Northwestern University, the decedent's heirs, the executor of the estate appointed by the Probate Court, and legatees and beneficiaries under the various documents have resulted in a proposal that the University accept $8,750 in full settlement of all rights it may have in the estate.

The Legal Counsel states that in his opinion the settlement proposal is reasonable in view of the nature of the legal questions involved, the size of the estate, and the expenses that would necessarily be incurred if the University proceeded with the litigation. He recommends that acceptance of the settlement proposal be authorized.

I concur.

On motion of Mr. Hughes, this recommendation was approved.
EMPLOYMENT OF ARCHITECTS AND ENGINEERS
AT URBANA-CHAMPAIGN

The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of the following firms for the services and at the fees indicated:

1. Delbert R. Smith, Scott L. Seaton, and Milan A. Olach, a partnership doing business as Smith, Seaton, and Associates, Urbana, for miscellaneous architectural services on remodeling or other project work which does not justify separate architectural contracts. The contract will terminate June 30, 1965. The fee for services on any specific project shall not exceed $5,000 without prior approval of the board. The firm will be paid the time card costs of professional employees plus 100 per cent for overhead and commission. Payments will be from funds budgeted for the construction of remodeling projects assigned to the architect.

2. Carroll-Henneman and Associates, Urbana, for engineering services for modernization of electrical supply and distribution systems in Noyes Laboratory, Davenport Hall, and the Natural History Building. The fee will be in accordance with Schedule "A" of mechanical and electrical fees of the Illinois Society of Professional Engineers. The work will include field investigations, cost estimates, plans and specifications, and general supervision of construction. The Vice-President and Comptroller recommends an assignment of $10,000 from the General Reserve for the cost of these services. An appropriation for the actual remodeling work will be requested after bids have been taken.

I concur.

On motion of Mr. Johnston, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

EMPLOYMENT OF ARCHITECTS AND ENGINEERS FOR PLANNING AT CONGRESS CIRCLE, CHICAGO

The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of the following architectural and engineering firms for the projects and at the fees indicated:

1. Site Development and Coordinating Services for Phase II of Congress Circle—Skidmore, Owings, and Merrill, Chicago, at actual cost of services of technical personnel employed, plus 150 per cent of such costs for overhead and commission. Technical personnel will include partners and all others assigned to the project exclusive of general office employees. The University will reimburse the firm for other expenses incurred at actual costs, including travel, subsistence, and fees of special consultants when authorized. These terms are the same as those in the contract for site development and coordinating services for Phase I.

2. Heating Plant Addition—Sargent and Lundy, Consulting Engineers, Chicago. This fee will be on the same basis and terms as the standard charges for previous work.

Funds for these services estimated to cost approximately $390,000 are available from the state capital appropriations to the University from the Universities Building Fund. The Committee on Buildings and Grounds has been consulted and supports these recommendations.

I concur.

On motion of Mr. Pogue, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

EMPLOYMENT OF ARCHITECTS FOR PLANS AND PLANNING TO COMPLETE ARCHITECTURAL STUDIES, CONGRESS CIRCLE, CHICAGO

The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of the following firms for the construction of remodeling projects assigned to the architect.
recommend that the Illinois Building Authority be requested to purchase, acquire, and lease to the University plans and planning to complete architectural studies at Congress Circle, Chicago, including specifications and bid documents, from the following firms for the buildings, and at fees indicated as a per cent of the estimated cost of construction, all in accordance with the Illinois Building Authority Act and under terms approved by the Comptroller and the Director of the Physical Plant.

Skidmore, Owings, and Merrill, Chicago —
- Classroom Units: 3.375 per cent, or a fee of 4½ per cent for services through construction
- Architecture Building: 4.5 per cent, or a fee of 6 per cent for services through construction
- Engineering and Science Office Building: 4.125 per cent, or a fee of 5½ per cent for services through construction
- Engineering and Science Laboratory Addition: 3.75 per cent, or a fee of 5 per cent for services through construction
- Library Addition: 3.75 per cent, or a fee of 5 per cent for services through construction
- Harry Weese and Associates, Chicago — Physical Education Building: 4.125 per cent, or a fee of 5½ per cent for services through construction

Completion of the above studies was declared to be in the public interest by the General Assembly in 1963, and the funding will be by the Illinois Building Authority through the sale of bonds.

I concur.

On motion of Mr. Pogue, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

LEASES WITH THE ILLINOIS BUILDING AUTHORITY

(23) The Board of Trustees on February 19, 1964, authorized the Comptroller and Secretary of the Board to execute the necessary documents to permit the Illinois Building Authority to proceed with certain University projects which the Seventy-third General Assembly of the state of Illinois had declared to be in the public interest.

The Illinois Building Authority has since forwarded to the University forms of the leases which it requests be used for these projects, and it is requested that the Board of Trustees take specific action to approve the same. Copies of said lease forms are presented herewith and are being filed with the Secretary of the Board for record.

The leases relate to the following University projects and are on the terms indicated:

<table>
<thead>
<tr>
<th>Project</th>
<th>Legislative Declaration</th>
<th>Amount of IBA Bonds</th>
<th>Rent Due May 1, 1964</th>
<th>Rent Due Thereafter</th>
<th>Total Rental Payments</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Movable Equipment</td>
<td>$ 4,799,500</td>
<td>$ 4,912,032</td>
<td>$ 751,541</td>
<td>486,290</td>
<td>$ 7,559,601</td>
</tr>
<tr>
<td>B. Civil Engineering Building</td>
<td>4,216,000</td>
<td>4,351,411</td>
<td>479,090</td>
<td>306,340</td>
<td>7,831,250</td>
</tr>
<tr>
<td>C. Land for Building Sites</td>
<td>1,000,200</td>
<td>1,032,302</td>
<td>113,656</td>
<td>72,675</td>
<td>1,857,856</td>
</tr>
<tr>
<td>D. Planning Congress Circle Campus</td>
<td>900,000</td>
<td>928,901</td>
<td>102,272</td>
<td>65,395</td>
<td>1,671,752</td>
</tr>
<tr>
<td>Total</td>
<td>$10,915,700</td>
<td>$11,224,646</td>
<td>$1,446,559</td>
<td>$930,700</td>
<td>$18,920,459</td>
</tr>
</tbody>
</table>
Funds for the rental payments under the leases during the current biennium, 1963-65, are available from appropriations made by the General Assembly.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel recommend that the Comptroller and Secretary of the Board of Trustees be given specific authorization to execute these leases in substantially the form presented in this meeting and that the following resolution be adopted.

I concur.

Resolution

WHEREAS in accordance with the Illinois Building Authority Act, the Seventy-third General Assembly of the State of Illinois has declared it to be in the public interest that certain buildings and other facilities be provided for and on behalf of The Board of Trustees of the University of Illinois; and

WHEREAS the Illinois Building Authority has requested the University of Illinois to enter into the following leases in order to provide said buildings and facilities;

Now, therefore, be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That The Board of Trustees of the University of Illinois hereby authorizes the Comptroller and Secretary of this Board of Trustees to execute, acknowledge, and deliver in the name and on behalf of this corporation leases with the Illinois Building Authority in substantially the forms presented to this meeting for the following buildings and facilities:

A. Equipment for University of Illinois buildings constructed from the Universities Building Fund requiring an initial rental payment May 1, 1964, of $751,541, annual rental payments September 1, 1965, and each year thereafter of $486,290, with total rental payments of $7,559,601.

B. Construction of a Civil Engineering Building at Champaign-Urbana, Illinois, requiring an initial rental payment May 1, 1964, of $479,090, annual rental payments September 1, 1965, and each year thereafter of $306,340, with total rental payments of $7,831,250.

C. Land for building sites in Champaign-Urbana, Illinois, requiring an initial rental payment May 1, 1964, of $113,656, annual rental payments September 1, 1965, and each year thereafter of $72,675, with total rental payments of $1,857,856.

D. Plans and planning to complete architectural studies, Congress Circle, Chicago, requiring an initial rental payment May 1, 1964, of $102,272, annual rental payments September 1, 1965, and each year thereafter of $65,395, with total rental payments of $1,671,752.

On motion of Mr. Swain, authority was given as recommended, and the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

TRANSFER OF JURISDICTION OF PROPERTY FOR ADDITION TO WATER RESOURCES BUILDING

(24) The Board of Trustees on February 19, 1964, authorized the Comptroller and Secretary of the Board of Trustees of the University of Illinois to transfer to the Illinois Building Authority certain property for an addition to the Water Resources Building.

The Illinois Building Authority has since requested that the Board of Trustees and the Department of Registration and Education jointly transfer said real estate and jurisdiction thereof to the Illinois Building Authority pursuant to the Illinois Building Authority Act so that the addition to the Water Resources Building can be constructed thereon.

The Seventy-third General Assembly has declared the construction of such addition for and on behalf of the Department of Registration and Education to be in the public interest.

The Department of Registration and Education has agreed that said real
estate and jurisdiction thereof is to be returned to the University when the terms of the Department's lease with the Illinois Building Authority have been complied with.

The Vice-President and Comptroller and the Director of the Physical Plant recommend that the resolution adopted on February 19, 1964, regarding this transaction be rescinded and that the following resolution be adopted.

I concur.

Resolution

WHEREAS the Seventy-third General Assembly of the State of Illinois has declared it to be in the public interest that the Illinois Building Authority construct an Addition to the Water Survey Building in Champaign, Illinois, for and on behalf of the Department of Registration and Education of the State of Illinois; and

WHEREAS for that purpose it will be necessary for the Illinois Building Authority to acquire the real estate and jurisdiction thereof upon which said Addition to the present Water Survey Building will be located; and

WHEREAS The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois with its principal office in Urbana, Illinois, has been requested by the Director of the Department of Registration and Education to join with that Department in transferring to the Illinois Building Authority jurisdiction of the real estate for the construction of the Addition to the Water Survey Building.

Now, therefore, be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That the Comptroller and Secretary of The Board of Trustees of the University of Illinois be and they are authorized to execute, acknowledge, and deliver in the name and on behalf of this corporation an instrument of transfer of jurisdiction of the following described property to the Illinois Building Authority, to wit:

Situated in the State of Illinois, the County of Champaign, the City of Champaign, in the NE 1/4 NW 1/4 of Section 18, Township 19 North, Range 9 East of the third principal meridian; being a part of Block 1 of J. S. Wright's addition to the City of Champaign and being more fully bounded and described as follows:

Beginning at the NW corner of said Block 1, said corner being the intersection of the East property line of Sixth Street and the South property line of Springfield Avenue, both in the City of Champaign, and being marked with an iron pipe monument; thence easterly along the South property line of said Springfield Avenue, a distance of 106.3 feet to a corner, said corner being marked with an iron pipe monument; thence southerly along a line parallel to the East property line of said Sixth Street, a distance of 71.0 feet to a corner; thence easterly along a line parallel to the South property line of said Springfield Avenue, a distance of 1.3 feet to a corner; thence southerly along a line parallel to the East property line of said Sixth Street, a distance of 61.0 feet to a corner, said corner being marked with a cross cut in the concrete pavement; thence westerly along a line parallel to the South property line of said Springfield Avenue, a distance of 107.6 feet to a corner on the East property line of said Sixth Street, said corner being marked with a cross cut in concrete; thence northerly along the East property line of said Sixth Street, a distance of 132.0 feet to the place of beginning, containing 0.32 acres, more or less;

in such terms as will permit said Illinois Building Authority to construct thereon an Addition to the present Water Survey Building and lease the same to the Department of Registration and Education of the State of Illinois.

On motion of Mr. Hughes, the resolution adopted February 19, 1964, regarding this transaction was rescinded and the above resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.
TRANSFER OF JURISDICTION OF PROPERTY FOR CONSTRUCTION OF CIVIL ENGINEERING BUILDING

(25) The Illinois Building Authority has requested the Board of Trustees of the University of Illinois to transfer the real estate and jurisdiction thereof which constitutes the site of the Civil Engineering Building to be constructed by the Authority for the University under a lease agreement heretofore authorized by the Board.

At the October 26, 1963, meeting, the Board authorized the acquisition of a portion of the site from the city of Urbana with appropriated funds. The Vice-President and Comptroller and the Director of the Physical Plant request authorization to complete such acquisition from general contract reserves instead of appropriated funds.

The Vice-President and Comptroller, the Director of the Physical Plant, and the Legal Counsel also recommend the adoption of the following resolution to authorize the transfer requested by the Illinois Building Authority.

I concur.

Resolution

WHEREAS the Seventy-third General Assembly of the State of Illinois has declared it to be in the public interest that the Illinois Building Authority construct a Civil Engineering Building in Urbana, Illinois, for and on behalf of The Board of Trustees of the University of Illinois; and

WHEREAS for that purpose it will be necessary for the Illinois Building Authority to acquire the real estate and jurisdiction thereof upon which said Civil Engineering Building will be located; and

WHEREAS The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois with its principal office in Urbana, Illinois, has been requested by the Illinois Building Authority to transfer the real estate and jurisdiction thereof for the construction of the Civil Engineering Building.

Now therefore, be it and it is hereby resolved by The Board of Trustees of the University of Illinois as follows:

Section 1. That the Comptroller and Secretary of The Board of Trustees of the University of Illinois be and they are authorized to execute, acknowledge, and deliver in the name and on behalf of this corporation an instrument of transfer of jurisdiction of the following described property to the Illinois Building Authority to wit:

Tract 1:
Lot Three (3), Lot Four (4), Lot Five (5), Lot Six (6), Lot Seven (7), and Lot Eight (8) in Block Fifty-one (51) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois; and also

Tract 2:
That portion of Romine Street and Alley situated in the City of Urbana, in the County of Champaign, and State of Illinois vacated by an ordinance entitled "An Ordinance Vacating a Portion of a Street and an Alley" adopted by the City Council of the City of Urbana, Illinois on the twentieth day of January, A.D., 1964 and bounded and described as follows:

Commencing at the Northwest (NW) corner of Lot Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign and State of Illinois, and thence West (W) sixty-six feet (66') along the South (S) line of Main Street extended to a point, thence South (S) along a line parallel to the West (W) property line of Lots Five (5) and Six (6) in Block Fifty-one (51) of the Seminary Addition to Urbana Two Hundred Eighty and Five Tenths feet (280.5'), more or less, to a point on the North (N) property line of Stoughton Street extended West (W), Sixty-six feet (66') West (W) of the Southwest (SW) corner of said Lot Six (6), and thence East (E) Thirty-six sixty-six feet (66') along the North (N) property line of Stoughton Street extended West (W) to the Southwest (SW) corner of said Lot Six (6) in Block Fifty-one (51) of the Seminary Addition to Urbana, thence North (N) One Hundred Thirty-two feet (132') more or less, along the West (W) property line of said Lot Six (6) to the Northwest corner (NW) of said Lot Six (6), thence East (E) One Hundred Ninety-
eight feet (198') more or less, along the North (N) property line of Lots Six (6), Seven (7), and Eight (8) in Block Fifty-one (51) of the Seminary Addition to Urbana to the Northeast (NE) corner of said Lot Eight (8), thence North (N) Sixteen and One Half feet (16' 1/2') more or less, to the Southeast (SE) corner of Lot Three (3) in Block Fifty-one (51) of the Seminary Addition to Urbana, thence West (W) along the South (S) property line of Lots Three (3), Four (4), and Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana One Hundred Ninety-eight feet (198') more or less, to the Southwest (SW) corner of said Lot Five (5) in Block Fifty-one (51) of Seminary Addition to Urbana, thence North (N) along the West (W) property line of said Lot Five (5) in Block Fifty-one (51) of the Seminary Addition to Urbana, One Hundred Thirty-two feet (132'), more or less, to the Northwest (NW) corner of said Lot Five (5) in Block Fifty-one (51) of Seminary Addition to Urbana, the point of beginning; subject to easements to the City of Urbana, Illinois upon and under the above described tract for the maintenance and repair of all sewers and drains which are located on or under the surface of any part of the above described tract and subject to easements to all public utilities, their successors and assigns to operate, maintain and renew and reconstruct their facilities as now operated and maintained in, over, or under the above described tract.

Being the site upon which the Illinois Building Authority is to construct and complete the Civil Engineering Building.

On motion of Mr. Page, authority was given as recommended, and the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

CONTRACTS FOR CONSTRUCTION OF THE CIVIL ENGINEERING BUILDING, PHASE 1

(26) Submitted herewith is a report from the Physical Plant Department of the bids received on February 21 and February 28, 1964, for construction of the Civil Engineering Building, Phase 1, a copy of which is being filed with the Secretary of the Board for record.

In accordance with the Illinois Building Authority Act, the Seventy-third General Assembly of the state of Illinois declared the expenditure of $4,216,000 for the construction of a Civil Engineering Building at Champaign-Urbana which will be financed by the Illinois Building Authority to be in the public interest. The funds for construction will be provided by the issuance and sale of bonds by the Illinois Building Authority, which bonds will be serviced and retired from revenues from the lease of the facility to the University, and for which lease rental payments the University has received an appropriation. Additional funds are available from a grant from the National Institutes of Health.

The Board has heretofore authorized the transfer of jurisdiction of the building site to the Illinois Building Authority and the execution of a lease of the property back to the University. The lease provides that the Illinois Building Authority will construct the building and the construction bids received should now be assigned to the Authority and recommendations made as to the awards. Accordingly, the Vice-President and Comptroller, the Director of the Physical Plant Department, and the Legal Counsel recommend the adoption of the following resolution.

I concur.

Resolution

Be It, and It Hereby Is, Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the bids received on February 21 and February 28, 1964, for the construction of Civil Engineering Building, Phase 1, and all rights thereunder, including but not limited to, the right to contract with the bidder, be and they hereby are, assigned to the Illinois Building Authority; and this Board of Trustees recommends to the Illinois Building Authority that contracts for construction of a
Civil Engineering Building, Phase 1, be awarded by the Illinois Building Authority as follows:

Division I
General — Pathman Construction Company, Chicago
Base bid .................................................. $1,983,793
Additive alternates for:
IA. Assignment of other contracts ......................... 45,000
IB. Storage mezzanine .................................. 4,000
IC. Change in finish of aluminum louvers ............. 750
ID. Change in finish of aluminum fascia ............... 2,200
IE. Add dumbwaiter .................................. 3,500
IG. Changing to gray plate glass ..................... 500
IH. Change in finish for aluminum windows ......... 7,000
Deductive alternate for:
IF. Substituting Adams and Westlake windows for those specified in base bid .............. -14,000

Total: $2,032,743

Division II
Electrical — G. L. Wilsky, an individual doing business as Downtown Electric, Urbana
Base bid .................................................. 345,325
Additive alternates for:
IIC. Installing public address system .................. 1,800
IID. Wiring for added mezzanine ....................... 500
IIF. For adding "Message Available" system .......... 5,900
Deductive alternates for:
IIB. Substitute day brite fixtures for those specified .............................................. -8,000
IIE. Substitute fuse type main switch board for breaker type ..................................... -11,000

Total: 334,525

Division III
Plumbing Work — Economy Plumbing and Heating Company, Inc., Skokie
Base bid .................................................. 231,869

Division IV
Heating and Air Conditioning Work — Ideal Heating Company, Chicago
Base bid .................................................. 377,777

Division V
Ventilating Work — Mellish and Murray Company, Chicago
Base bid .................................................. 251,800
Additive alternate for:
VA. Increased air conditioning capacity .............. 800
Deductive alternate for:
VF. Prefabricated boiler stack in lieu of steel stack .................. -2,700

Total: 249,900

Division VI
Temperature Control Work — Johnson Service Company, Urbana
Base bid .................................................. 39,000

Division VII
Laboratory Equipment Work — Duralab Equipment Corporation, Brooklyn, New York
Base bid .................................................. 248,500
DEDUCTIVE ALTERNATES FOR:

VIIB. SUBSTITUTE ALBERENE STONE TOPS FOR SERPENTINE TOPS ........................................ -4,718

VICT. SUBSTITUTE LABLINE ENVIRONMENT ROOMS FOR HOT PACK ROOMS ................................ -27,500

**Total** ................................................................................................................. $3,482,096

The Board of Trustees further recommends to the Illinois Building Authority that all contracts other than the contract for general work be assigned to the contractor for general work, making a total for such contract $3,482,096, and that an agreement be entered into with the Pathman Construction Company, Chicago, for the assignment of these other contracts for $45,000 which amount is included in the aforesaid contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dillard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

PURCHASES

(27) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Institutional Funds and purchases from Appropriated Funds (i.e., from state appropriations to the University). The former term is used here to designate funds received by the University under contracts with the United States government; contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors; and University revolving funds authorized by law.

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure reaction vessel for performing chemical reactions under pressure</td>
<td>Biological Chemistry, Chicago</td>
<td>American Instrument Co., Inc., Barrington</td>
<td>$2,968.00 delivered</td>
</tr>
<tr>
<td>One spectrophotometer and accessories</td>
<td>Biological Chemistry, Chicago</td>
<td>Fisher Scientific Co., Chicago</td>
<td>$5,588.30 delivered</td>
</tr>
<tr>
<td>Research services for a study of efficient use of medical manpower</td>
<td>Office of Research in Medical Education, Chicago</td>
<td>American Institute for Research, Pittsburgh, Pa.</td>
<td>$20,316.00</td>
</tr>
<tr>
<td>One indicating type automatic differential retractometer</td>
<td>Medical Physiology, Chicago</td>
<td>Phoenix Precision Instrument Co., Inc., Philadelphia, Pa.</td>
<td>$4,377.00 f.o.b. Chicago</td>
</tr>
<tr>
<td>300 mouse cages with tops</td>
<td>Medical Research Laboratory, Chicago</td>
<td>Hoeltge, Inc., Cincinnati, Ohio</td>
<td>$3,180.00 delivered</td>
</tr>
<tr>
<td>One lot of metal furniture for workshop, study areas, library, and offices, in the Department of Medical Education, to consist of eleven work tops with base cabinets up to 26 ft. in length, twenty-one desks, and six files</td>
<td>Medicine, Chicago</td>
<td>Desks, Inc., Chicago</td>
<td>$8,437.60 delivered and installed</td>
</tr>
<tr>
<td>Thirty microscopes less trade-in of thirty used microscopes</td>
<td>Illini Bookstore, Chicago</td>
<td>Aloe Scientific Division, Schiller Park</td>
<td>$5,670.00 delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
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</tr>
<tr>
<td>Linens consisting of 250 dozen sheets, 850 dozen towels, 500 dozen wash clothes, 76 dozen pads, 200 dozen pillow cases, 50 dozen dish cloths, 50 dozen bed pan covers</td>
<td>Physical Plant, Chicago</td>
<td>Kansas City White Goods, $6</td>
<td>735.50</td>
</tr>
<tr>
<td>279 CO fire extinguishers and 266 water-pressurized fire extinguishers for Congress Circle campus</td>
<td>Congress Circle</td>
<td>Walter Kidde &amp; Co., Inc., Chicago</td>
<td>8498.54</td>
</tr>
<tr>
<td>One gas chromatograph, dual column, with flame and thermal conductivity detectors, temperature programmer, recorder with integrated disc, hydrogen generator and one 10 milliliter gas-tight syringe, to be used in studies of spray residues from herbicides and pesticides on farm land</td>
<td>Agricultural Engineering</td>
<td>Wilkens Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>5946.05</td>
</tr>
<tr>
<td>Services for depreservation, preparation for ferrying, and ferrying services of two federal surplus C47 airplanes from Davis Monthan Air Force Base, Tucson, Arizona, to the University of Illinois-Willard Airport</td>
<td>Institute of Aviation</td>
<td>Aero Services, Inc., Tucson, Ariz.</td>
<td>2634.00</td>
</tr>
<tr>
<td>One D.C. milliammeter, 1-ma to 10 amps</td>
<td>Institute of Aviation</td>
<td>Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago</td>
<td>2565.00</td>
</tr>
<tr>
<td>One current probe, 1 mv/ma ± 1% at 1 KC</td>
<td>Botany</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>3434.00</td>
</tr>
<tr>
<td>One digital voltmeter, four-digit, accuracy ± 0.05% ± 1 digit</td>
<td>Chemistry and Chemical Engineering</td>
<td>Wilkens Instrument &amp; Research, Inc., Walnut Creek, Calif.</td>
<td>2639.57</td>
</tr>
<tr>
<td>One audio distortion analyzer, 20 cps to 20 KC (Item 4)</td>
<td>All for student instruction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One oscilloscope, dual-trace sampling, with timing unit and passive probes, 2 mv/cm to 200 mv/cm calibrated sensitivity, bandwidth 1 kmc</td>
<td>Chemistry and Chemical Engineering</td>
<td>Varian Associates, Palo Alto, Calif.</td>
<td>4115.00</td>
</tr>
<tr>
<td>One gas chromatograph, single column double oven type, with flame-ionization detector, thermal conductivity detector, wheatstone bridge and oven with inlet splitter, to be used for the investigation of the role of long chain aliphatic and aromatic aldehydes as well as the study of various enzyme systems that utilize these compounds in their catalytic reactions</td>
<td></td>
<td>Philips Electronic Instruments, Chicago</td>
<td>4950.00</td>
</tr>
<tr>
<td>One accessory system to expand the EPR spectrometer system originally approved for purchase on February 19, 1964</td>
<td></td>
<td>Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>9751.00</td>
</tr>
<tr>
<td>One x-ray generator and control, 5 kv, 50 ma</td>
<td>Chemistry and Chemical Engineering</td>
<td>Procedyne Associates, Inc., New Brunswick, N.J.</td>
<td>2783.50</td>
</tr>
<tr>
<td>One X-ray generator, 200 tube, X-ray diffraction, four-window, fine-focus</td>
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<tr>
<td>One preparative centrifuge, refrigerated, vacuum type with one high capacity angle rotor head and one swinging bucket rotor, for use in the purification and separation of crystalline particle inclusions by the Biochemistry Division of the Department of Chemistry and Chemical Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One signal converter and generator, output both sinusoidal and step-signal, two-pen variable speed electronic recorder, frequencies 1-cps to 1-cph, ranges 1-5 milliamperes and 10-50 milliamperes</td>
<td></td>
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</tr>
<tr>
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<td>Two oscilloscopes, time base &quot;A&quot; 0.1 microseconds/cm to 5 seconds/cm, time base &quot;B&quot; 2 microseconds/cm to 1 second/cm</td>
<td>Coordinated Science Laboratory</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>$3,537.00</td>
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<tr>
<td>Six scope probes</td>
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<tr>
<td>One wide-band plug-in unit DC-14 mc</td>
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<tr>
<td>One dual trace plug-in unit DC-15 mc</td>
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<tr>
<td>One recorder, data tape, four simultaneous data record channels at selectable speeds of 30, 15, 5½, or 1½ inches per second plus one voice record and playback channel at same selectable speeds and four simultaneous playback channels at selectable speeds of 30 or 1½ inches per second</td>
<td>Coordinated Science Laboratory</td>
<td>Minneapolis-Honeywell Regulator Co., Chicago</td>
<td>$8,795.00 f.o.b. delivered</td>
</tr>
<tr>
<td>166 sheets glass epoxy laminate, 2 oz. copper clad on both sides, coated with protective plastic and sealed in polyethylene bags</td>
<td>Digital Computer Laboratory</td>
<td>The Mica Corp., Chicago</td>
<td>$2,720.28 f.o.b. delivered</td>
</tr>
<tr>
<td>Fifty sheets glass epoxy laminate, 2 oz. copper clad on one side, coated with protective plastic and sealed in polyethylene bags</td>
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<td></td>
</tr>
<tr>
<td>5,000 transistors type SM-1660 (selected 2N967)</td>
<td>Digital Computer Laboratory</td>
<td>Motorola Semiconductor Products, Inc., Chicago</td>
<td>$3,000.00 f.o.b. Phoenix, Ariz.</td>
</tr>
<tr>
<td>1,500 diodes, type 1N3730</td>
<td>Digital Computer Laboratory</td>
<td>Raytheon Co., Franklin Park</td>
<td>$2,835.00 f.o.b. delivered</td>
</tr>
<tr>
<td>2,000 connectors, printed circuit, 0.078-22 pin, double sided phosphor bronze wire wrap terminals</td>
<td>Digital Computer Laboratory</td>
<td>Cinch Manufacturing Co., Chicago</td>
<td>$3,360.00 f.o.b. Chicago</td>
</tr>
<tr>
<td>1,900 transformers, special for memory systems, per Digital Computer Laboratory specifications</td>
<td>Digital Computer Laboratory</td>
<td>Wabash Magnetics, Inc., Wabash, Ind.</td>
<td>$3,180.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Furniture for various lounge areas in the new College of Education Building as follows: twenty-six arm chairs, six sofas, twenty-eight side chairs, nine tables</td>
<td>Education</td>
<td>Marshall Field &amp; Co., Chicago</td>
<td>$5,028.60 f.o.b. delivered</td>
</tr>
<tr>
<td>Classroom furniture for use in the elementary education laboratory classrooms and other classrooms in the new College of Education Building as follows: 283 fiberglass chairs with ganging feature and large folding writing surface, ninety-five fiberglass stacking chairs, thirty trapezoidal tables, eleven rectangular tables, four half round tables, five teachers desks</td>
<td>Education</td>
<td>Mackin Sales Co., Monence</td>
<td>$11,317.05 f.o.b. delivered and set in place</td>
</tr>
<tr>
<td>One television tape recorder, transistorized, portable, and designed to record and play back standard EIA television signals or closed circuit industrial signals</td>
<td>Education</td>
<td>Ampex Corp., Elmhurst</td>
<td>$12,210.16 f.o.b. delivered</td>
</tr>
<tr>
<td>One set extra video heads</td>
<td>Education</td>
<td>Weger Institutional Designs, Lansing, Mich.</td>
<td>$5,709.66 f.o.b. delivered</td>
</tr>
<tr>
<td>Lounge furniture for the new College of Education Building consisting of the following: five upholstered sofas, eight upholstered lounge chairs, seventeen occasional tables, two coffee tables</td>
<td>Electrical Engineering</td>
<td>Antlab, Inc., Worthington, Ohio</td>
<td>$14,815.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One antenna model support tower system including a transmitting antenna polarization mount</td>
<td>Electrical Engineering</td>
<td>Scientific-Atlanta, Inc., Atlanta, Ga.</td>
<td>$5,100.00 f.o.b. Atlanta, Ga.</td>
</tr>
<tr>
<td>One wide-range receiving system for the study of antenna patterns, sized with frequency range of 30 mc to 100 gc, with automatic frequency and automatic gain controls, thirty-day new equipment warranty on receiver, less backward wave oscillator</td>
<td></td>
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</tr>
</tbody>
</table>
One ultra-high vacuum system consisting of ion pump and control, internal heater and control titanium sublimation pump and control, three sorption pumps, three liquid nitrogen containers, bakeout heater, bakeable roughing valve, bell jar joint, stainless steel frame, 6-inch isolation valve, cryogenic shroud, base-plate and well, pyrex bell jar, rotary motion triggered discharge gauge and control, and 2 kva power supply.

One plasma jet heater capable of operating at power levels from 2 kw to 80 kw continuously with low contamination of the jet flame by electrode erosion and capable of operating on nitrogen, argon, helium, and simulated air.

(Nota: This purchase will be made from both Institutional Funds, $5,475.00, and Appropriated Funds, $5,475.00, for a total of $10,950.00.)

One gas chromatograph, including combination flame and electron-capture detector, dual differential electrometer linear temperature programmer, effluent splitter and dual channel recorder, to be used for biological analyses of sugar derivatives and sulphur compounds.

One crystal growing furnace modified for continuous operation at 1,700° centigrade, including two sight parts for research work on metallic carbide crystals.

Helium gas, approximately 600,000 cubic feet, for the period April 1, 1964, through June 30, 1965.

One computer of average transients, four input records, input impedance 20,000 ohms, maximum signal input ± 3 volts, 400 analysis points of address, analysis times 31.5 milliseconds to 16 seconds, memory capacity 102-1.

One flowmeter, dual channel, electromagnetic, plus an option to buy two additional accessory channels if the initial tests of the basic equipment warrant expansion of the operational capacity.

Four electronic instrumentation laboratories.

Six workbench cabinet units for above.

50,000 pounds anhydrous ammonia to be furnished and applied on approximately 500 acres of corn land at the Dixon Springs Experiment Station, Simpson.

Furniture for Orchard Downs apartments: 180 beds, 180 chests, 145 dining tables, 200 side chairs, 180 lounge chairs, 356 end tables.

Furniture for Illinois Street Residence Halls, Graduate Residence Halls, and family housing units in Orchard Downs: 176 student desks with trapezoidal tops, 650 student desks with rectangular tops, 592 single beds.

China, fully vitrified, for the Illinois Street Residence Halls and for Central Food Stores stock: 910 dozen dinner plates, 9½ in.; 1,300 dozen salad plates, 6½ in.; 339 dozen cups, 7½ in.; 390 dozen saucers, 9½ in.; 1,544 dozen soup nappies, 6½ in.; 1,907 dozen sauce dishes, 5 in.; 360 dozen cups, special mug.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furnish and install carpeting in the Pine Lounge and Browsing Room of Illini Union (North)</td>
<td>Illini Union</td>
<td>Chicago Carpet &amp; Fabric Co., Chicago</td>
<td>$4,500.00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>1,000 stacking chairs with upholstered seats and backs for the Illini Union</td>
<td>Illini Union</td>
<td>S. Buckman Furniture &amp; Supply Co., Spring Valley</td>
<td>20,942.60 f.o.b. delivered</td>
</tr>
<tr>
<td>Steel office furniture to provide for anticipated requirements for new buildings under construction at Urbana and at the Medical Center and for storeroom stocks</td>
<td>Office Supply Storeroom</td>
<td>Weber, Hilmer, &amp; Johnson, Inc. (distributor), Chicago</td>
<td>146,220.66</td>
</tr>
<tr>
<td>Wood office furniture for administrative offices in the new Education Building: eleven desks, six credenzas, one office table, two conference tables, ten conference arm chairs</td>
<td>Office Supply Storeroom</td>
<td>Rovard's, Champaign</td>
<td>4,642.86 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 2,500 copies Urban Land Use Planning, by Stuart Chapin, Jr., trim size 7 in. by 9 3/8 in., approximately 482 pages per copy</td>
<td>University Press</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>7,418.40 f.o.b. delivered</td>
</tr>
<tr>
<td>Fifteen tons fertilizer, high nitrogen content fertilizer, analysis 38-0-0</td>
<td>Physical Plant</td>
<td>Kahn Brothers Co., Chicago</td>
<td>4,567.05 f.o.b. delivered</td>
</tr>
<tr>
<td>One refuse packer, hydraulically operated, with a capacity of 150 cubic yards per hour</td>
<td>Physical Plant</td>
<td>Coleman &amp; Associates, Rockford</td>
<td>7,301.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One refuse container, 33 cubic yard capacity, modified to operate with above refuse packer</td>
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</tbody>
</table>

**Purchases from Appropriated Funds**

- Two each controlled-environment plant growth chambers with walkway, complete with one humidifying system consisting of water vaporizer solenoid-actuated; two electronic humidity dual controls; two dehumidifying systems consisting of heating and cooling coils; and two each two-pen wet and dry bulb recording recorders, to be delivered and installed in the Engineering Science Building at Congress Circle
- Electronic language laboratory equipment for installation at Congress Circle Classroom Building in eight rooms, consisting of 108 student booths complete with headset microphones and dial positions; two language consoles, one sixty-position and one fifteen-position; console switch racks; power supply units; program cabinets; twenty reel-to-reel program machines and two remote record series; and including dismantling, relocation, and integrating into new system of existing language laboratory now located at Navy Pier

College of Liberal Arts and Sciences, Congress Circle | Sheret-Gillett Co., Marshall, Mich. | 18,670.00 delivered and installed |

College of Liberal Arts and Sciences, Congress Circle | Watland, Inc., Chicago | 62,561.00 delivered and installed |
<table>
<thead>
<tr>
<th>Item</th>
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</thead>
<tbody>
<tr>
<td>Furnish and install thirteen pieces of machine equipment, complete with accessories, at Congress Circle Campus, consisting of the following: one each precision toolmakers' lathe, turret milling machine, band saw, bench grinder, electric treating furnace, surface grinding machine, disc sander, drill press, power hack saw, arbor press, precision filing machine, surface plate and stand.</td>
</tr>
<tr>
<td>Department</td>
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<tr>
<td>Physics, Congress Circle</td>
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<tr>
<td>Vendor</td>
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<tr>
<td>Alta Products Co., Chicago</td>
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<tr>
<td>Adams &amp; Nelson, Chicago</td>
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<tr>
<td>Barrett-Chrissie Co., Chicago</td>
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<td>Don G. Beck Co., Chicago</td>
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<td>Boyd Wagner Co., Chicago</td>
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<tr>
<td>Brown &amp; Sharpe Manufacturing Co., Providence, R.I.</td>
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<tr>
<td>Grand Tool &amp; Supply Co., Chicago</td>
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<tr>
<td>Monarch Machine Tool Co., Oak Park</td>
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<tr>
<td>Cost</td>
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<tr>
<td>$ 136.37</td>
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<tr>
<td>$ 390.00</td>
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<td>$ 341.00</td>
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<td>$ 4,507.37</td>
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<td>$ 1,081.61</td>
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<tr>
<td>$ 5,210.00</td>
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<tr>
<td>$ 309.60</td>
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<tr>
<td>$ 11,765.00</td>
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<tr>
<td>Funds</td>
</tr>
<tr>
<td>One lawn sprinkler system</td>
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<tr>
<td>Physical Plant, Chicago</td>
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<tr>
<td>Andrew McCann, Chicago</td>
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<tr>
<td>Bilbo Electronics, Inc., Springfield</td>
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<tr>
<td>Entomology, Lukas Microscope Service, Skokie</td>
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<tr>
<td>Mechanical and Industrial Engineering, Binks Manufacturing Co., Chicago</td>
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<tr>
<td>Music, Peoria Musical Instrument Co., Peoria</td>
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<tr>
<td>Emerson Piano House, Decatur</td>
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<tr>
<td>Riley Music, Champaign</td>
</tr>
<tr>
<td>Clifford V. Lloyd Piano Co., Champaign</td>
</tr>
<tr>
<td>Radiology, Philip A. Hunt Chemical Corp., Chicago</td>
</tr>
<tr>
<td>Theoretical and Applied Mechanics, Scott Aviation Corp., Boca Raton, Fla.</td>
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<tr>
<td>Committee on Commencement, Collegiate Cap &amp; Gown Co., Chicago</td>
</tr>
<tr>
<td>Cost</td>
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<tr>
<td>$ 3,155.00</td>
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<tr>
<td>$ 6,706.50</td>
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<tr>
<td>$ 6,636.60</td>
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<tr>
<td>$ 3,185.00</td>
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<td>$ 6,602.76</td>
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<td>$ 6,607.37</td>
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<td>$ 5,210.00</td>
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<tr>
<td>$ 309.60</td>
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<tr>
<td>$ 11,765.00</td>
</tr>
</tbody>
</table>

(Note: This purchase will be made from both Appropriated Funds, $22,138.19, and Institutional Funds, $1,602.76, for a total of $23,740.95.)

One lawn sprinkler system

Six recorders, tape, two-track, 3 1/2 and 7 1/2 in. per second, standard rack mount professional studio quality, 30 to 15,000 cps.

Twelve plug-in microphone pre-amplifiers

Eighteen dissecting microscopes, with inclined binocular bodies and three objective revolving nosepieces, for a maximum magnification of 90X; less trade-in of twenty obsolete microscopes.

One cooling tower, furnished and set in place with capacity of 700 gallons per minute water flow, approximately 15 degree temperature rise, 85 degree wet bulb temperature; tower to be capable of withstanding 40 pounds per square foot snow load and 100 miles per hour wind load.

Eight pianos, grand, ebony finish, various sizes; less trade-in of nine grand pianos of similar type and size.

Film tank service and approximately 402 cartons of x-ray solutions for two automatic x-ray film processing units for the period beginning July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement.

One instructional apparatus, including a turbopan project with power supply, smoke generator and nozzle, and one force moment balance project for study of fluid dynamics.

Rental of caps, gowns, and hoods for faculty members and graduating students for the June 13, 1964, Commencement; estimated number of costumes required for the Urbana and Chicago campuses: 1,833 bachelors, 362 masters, 317 doctors (Ph.D.), 195 doctors (M.D.), 95 doctors (D.D.S.).
Print and bind 35,000 copies of Undergraduate Courses, 1964-65, trim size 6 in. by 9 in., approximately 240 pages per copy

Print and bind 800 copies of Index Verborum in Cicero's Rhetorica, by Kenneth M. Abbott, approximately 1,184 pages

One tractor, 1964, with power steering, four-speed reversing transmission, three-point hitch assembly, all weather steel cab with electric windshield wipers, heater, and defroster, power take off unit, and V-type snow plow with hydraulic ram type lift system; less trade-in of 1952 utility tractor and V-type snow plow

One lot of steel laboratory furniture consisting of the following items: twenty base units, two two-student tables, one student physics table, four alabereon stone sinks, one carbonized birch pegboard, and five wall storage cabinets with sliding glass doors, to be used in the remodeling of a laboratory in the Floriculture Building

Eleven automobiles, 1964 model, four-door sedans with automatic transmissions and V-8 engines, less trade-in of eight 1962, two 1961 model four-door sedans with automatic transmission and six cylinder engines, and one 1961 model compact, four-door sedan with automatic transmission and six cylinder engine

On motion of Mr. Johnston, these purchases were authorized.

COMPTROLLER'S REPORT OF CONTRACTS

(28) The Comptroller's report of contracts executed during the period February 1 to 29, 1964.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelling of crane wheels</td>
<td>$42,526.00</td>
<td>November 6, 1963</td>
</tr>
<tr>
<td>Preparation and evaluation of ferroelectric barium titanate</td>
<td>2,500.00</td>
<td>January 6, 1964</td>
</tr>
<tr>
<td>Reaction kinetics and solution mechanisms in glass-body systems</td>
<td>2,500.00</td>
<td>February 7, 1964</td>
</tr>
<tr>
<td>Appraisal of the recreation areas and facilities of city and park districts</td>
<td>700.00</td>
<td>October 10, 1963</td>
</tr>
<tr>
<td>Conduct demonstration and experimental projects in the field of education of gifted children</td>
<td>123,453.00</td>
<td>November 22, 1963</td>
</tr>
<tr>
<td>Conduct centers, experimental projects, and institutes in the field of education of gifted children</td>
<td>126,098.00</td>
<td>January 14, 1964</td>
</tr>
<tr>
<td>Matrix isolation and mass spectrometric studies of species produced in a shock tube</td>
<td>48,388.00</td>
<td>January 1, 1964</td>
</tr>
<tr>
<td>Experimental aspects of the polaron</td>
<td>26,176.00</td>
<td>February 1, 1964</td>
</tr>
<tr>
<td>Cardiovascular effects of refeeding stress</td>
<td>24,936.00</td>
<td>December 1, 1963</td>
</tr>
<tr>
<td>Studies on (1) binding of radionuclide metals in the chromosomes of plant cells; (2) genetic consequences of this binding; (3) maize meristem activity and base analog effects on mutation in corn</td>
<td>25,257.00</td>
<td>December 1, 1963</td>
</tr>
</tbody>
</table>
### Board of Trustees

**With Whom** | Purpose | Amount to be Paid to the University | Effective Date
--- | --- | --- | ---
United States Department of Health, Education and Welfare | Theory of expectations applied to musical listening | $37,907.00 | February 1, 1964
United States Navy N0W 64-0178-d | Modes of fracture of composite materials | 40,521.00 | January 14, 1964
United States Navy N123-(953)35240A | Nonlinear discrete and sample-data control systems | 14,999.00 | January 15, 1964
**Total** |  | **$515,961.00** |  |

**With Whom** | Purpose | Amount to be Paid by the University | Effective Date
--- | --- | --- | ---
Ice Capades, Inc. | Presentation of "Ice Capades" (seven performances) | 70% per cent of gross proceeds | December 6, 1963
Space Craft, Inc. (sub-contract with National Aeronautics and Space Administration, NSG-504) | Electron density and collision frequency in the lower regions of the ionosphere | $12,756.00 | January 17, 1964
State's Attorney of Champaign County | Payment for services rendered by local governmental units (108 properties located in Champaign County) | 28,716.00 | January 23, 1964
State's Attorney of Champaign County | Payment for services rendered by local governmental units (Student-Staff Apartments) | 3,214.00 | January 23, 1964
**Total** |  | **$44,686.00** |  |

**Leases**

**With Whom** | Purpose | Amount to be Paid by the University | Effective Date
--- | --- | --- | ---
International Business Machines Corp. | Rental of office machines, four items: $76.80 to $4,713.60 | $5,750.00 | September, October, and November, 1963
International Harvester Co. | Rental of farm machinery, two items: $335.00 and $2,117.00 | 2,452.00 | October 7, 1963
Mrs. Rosemund Lowry (renewal) | Rental of premises at 1007 S. Fifth Street, Champaign, from February 1, 1964, to June 15, 1964 for student housing (one semester) | 2,475.00 | February 1, 1964
MacCarthy Ford Tractor Sales, Inc. | Rental of farm machinery: one tractor and one loader with attachments | 670.00 | July 17, 1963
Massey-Ferguson, Inc. | Rental of farm machinery, eight items: $2.50 to $863.75 | 1,139.00 | December, 1963
George Skafidas, Elizabeth McGarry, and Sam F. Skafidas (renewal) | Rental of one building at 2004 Third Avenue, Rock Island, from July 1, 1963, to June 30, 1965, for Division of Services for Crippled Children | 3,000.00 | July 1, 1963
University of Illinois Foundation (renewal) (sublease with Bailey & Himes, Inc.) | Rental of entire second floor of building at 606 E. Green Street, Champaign, September 1, 1963, to June 30, 1965, for radio station WILL | 5,296.00 | September 1, 1963
University of Illinois Foundation (renewal) (sublease with Hayes Building Account) | Rental of premises at 704 South Sixth Street, Champaign, from July 1, 1963, to June 30, 1965, for Physical Plant Department and Audio-Visual Aids | 18,907.00 | July 1, 1963
University of Illinois Foundation (renewal) (sublease with Tom and Josephine Merlo) | Rental of second floors at 601, 603, and 605 E. Green Street, Champaign, from July 1, 1963, to June 30, 1965, for Architectural Division | 14,400.00 | July 1, 1963
University of Illinois Foundation (renewal) (sublease with Chester E. Keller, receiver for Corrubia property) | Rental of second floor at 611 and 613 East Green Street, Champaign, from September 1, 1963, to June 30, 1965, for Audio-Visual Aids | 6,380.00 | September 1, 1963
**Total** |  | **$60,469.00** |  |
### Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Chemicals Division</td>
<td>Evaluation of a series of chlorinated hydrocarbon compounds as insecticides</td>
<td>$2,500.00</td>
<td>December 20, 1963</td>
</tr>
<tr>
<td>Merck &amp; Co., Inc.</td>
<td>Growth stimulants in swine</td>
<td>3,000.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>Soft Phosphate Research Institute, Inc.</td>
<td>Phosphate utilization</td>
<td>4,000.00</td>
<td>January 29, 1964</td>
</tr>
<tr>
<td>United States Air Force AF19(628)-2391</td>
<td>Electromagnetic wave interaction techniques</td>
<td>29,997.00</td>
<td>December 18, 1963</td>
</tr>
<tr>
<td>United States Air Force AF33(657)-7422</td>
<td>High temperature resistant inorganic structural adhesives with metals</td>
<td>1,200.00</td>
<td>February 4, 1964</td>
</tr>
<tr>
<td>United States Air Force AF33(657)-10474</td>
<td>Electromagnetic and far infrared reconnaissance antenna techniques</td>
<td>210,000.00</td>
<td>October 31, 1963</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2222</td>
<td>Experimental ketosis in man</td>
<td>30,914.00</td>
<td>January 31, 1964</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2481</td>
<td>Chemistry and mechanism of action of potential antiviral agents</td>
<td>34,999.00</td>
<td>January 7, 1964</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-903</td>
<td>Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high energy particle events</td>
<td>23,230.00</td>
<td>January 1, 1964</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1018</td>
<td>Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high energy particle events</td>
<td>47,263.00</td>
<td>January 7, 1964</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1018</td>
<td>Kinetic isotope effects and related chemical kinetic problems</td>
<td>35,640.00</td>
<td>February 1, 1964</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1142</td>
<td>Elementary particle interactions in the high energy region</td>
<td>150,000.00</td>
<td>January 7, 1964</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1195</td>
<td>Understanding the nature of materials, predominantly solids</td>
<td>217,000.00</td>
<td>January 3, 1964</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1198</td>
<td>Understanding the nature of materials, predominantly solids</td>
<td>1,076,000.00</td>
<td>January 17, 1964</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1198</td>
<td>Evaluate the effects of subfactors as weld geometry undercutting and welding conditions on fatigue behavior of Hy-80-steels</td>
<td>1,310.00</td>
<td>February 3, 1964</td>
</tr>
<tr>
<td>United States Navy NObes-7137</td>
<td>Develop techniques and instrumentation for measuring acoustic attenuation</td>
<td>11,994.00</td>
<td>December 6, 1963</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$2,206,784.00</td>
<td></td>
</tr>
</tbody>
</table>

### Adjustments Made in 1963-64 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>George S. Grimmett &amp; Co. (Plastering)</td>
<td>Seventeen items: $129,69 deduct to $580.00</td>
<td>$1,815.00</td>
<td>January and February, 1964</td>
</tr>
</tbody>
</table>

**Summary**

Amount to be paid to the University: $2,722,745.00

Amount to be paid by the University: $2,112,973.00

This report was received for record.

### INVESTMENT REPORT

**Report of the Finance Committee**

(29) The Finance Committee reported the following changes in investments of endowment funds for the month of January, 1964:

**Pool**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Purpose</th>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>$30,000</td>
<td>U. S. Treasury bonds</td>
<td>4 per cent</td>
<td>2/15/60</td>
</tr>
<tr>
<td>21,000</td>
<td>U. S. Treasury bonds</td>
<td>4 per cent</td>
<td>8/15/72</td>
</tr>
<tr>
<td>24/100 shares</td>
<td>Monsanto Chemical Co.</td>
<td>13.44</td>
<td></td>
</tr>
</tbody>
</table>
Report of the Comptroller

The Comptroller reports the following changes in investments of current and un-expended plant funds, over which he has authority as indicated:

**Current Funds**

**Restricted Group (June 20, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Exchange</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$1 000 000</strong> U. S. Treasury bills</td>
<td><strong>$ 500 000</strong> U. S. Treasury bills</td>
</tr>
<tr>
<td>500 000 U. S. Treasury bills</td>
<td>3 1/2 per cent 2/15/64 for</td>
</tr>
<tr>
<td>600 000 U. S. Treasury bills</td>
<td>Certificates of Indebtedness due</td>
</tr>
<tr>
<td>500 000 Ford Motor Credit Corp. notes</td>
<td>3 1/2 per cent 8/13/65</td>
</tr>
<tr>
<td>200 000 Household Finance Corp. notes</td>
<td>U. S. Treasury bills</td>
</tr>
<tr>
<td>100 000 Harris Trust Certificates 3 1/2 per cent of Deposit</td>
<td><strong>$ 100 000</strong> U. S. Treasury bills</td>
</tr>
</tbody>
</table>

**Construction Funds**

**Dentistry-Medicine-Pharmacy Building Auxiliary (December 16, 1953)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$ 100 000</strong> U. S. Treasury bills</td>
<td><strong>$ 75 000</strong> U. S. Treasury bills</td>
</tr>
<tr>
<td>25 000 U. S. Treasury bills</td>
<td>4/16/64</td>
</tr>
<tr>
<td>75 000 U. S. Treasury bills</td>
<td>4/16/64</td>
</tr>
</tbody>
</table>

**Assembly Hall (June 23, 1959, and March 17, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Sale</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$ 30 000</strong> U. S. Treasury bills</td>
<td><strong>$ 75 000</strong> U. S. Treasury bills</td>
</tr>
<tr>
<td>78 000 U. S. Treasury bills</td>
<td>4/16/64</td>
</tr>
</tbody>
</table>

**Chicago—Congress Circle Union (June 19, 1963)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$ 70 000</strong> U. S. Treasury bills</td>
<td><strong>$ 17 000</strong> U. S. Treasury bills</td>
</tr>
<tr>
<td>3/19/64</td>
<td>4/16/64</td>
</tr>
</tbody>
</table>

**Illini Union and Health Center (December 21, 1960)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$ 67 000</strong> U. S. Treasury bills</td>
<td><strong>$ 70 000</strong> U. S. Treasury bills</td>
</tr>
<tr>
<td>4/16/64</td>
<td>3/12/64</td>
</tr>
</tbody>
</table>

**Orchard Downs (June 14, 1960)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Purchase</th>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$ 67 000</strong> U. S. Treasury bills</td>
<td><strong>$ 70 000</strong> U. S. Treasury bills</td>
<td><strong>$ 60 000</strong> U. S. Treasury bills</td>
</tr>
<tr>
<td>4/16/64</td>
<td>3/12/64</td>
<td>4/16/64</td>
</tr>
</tbody>
</table>

**Orchard Downs Addition (May 24, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$ 67 000</strong> U. S. Treasury bills</td>
<td><strong>$ 70 000</strong> U. S. Treasury bills</td>
</tr>
<tr>
<td>4/16/64</td>
<td>3/12/64</td>
</tr>
</tbody>
</table>

**Pennsylvania Avenue Residence Halls (June 21, 1961)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$ 60 000</strong> U. S. Treasury bills</td>
<td><strong>$ 70 000</strong> U. S. Treasury bills</td>
</tr>
<tr>
<td>4/16/64</td>
<td>3/12/64</td>
</tr>
</tbody>
</table>

**Sinking Funds**

**Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$ 704 000</strong> U. S. Treasury bills</td>
<td><strong>$ 668 641 06</strong></td>
</tr>
<tr>
<td>12 000 U. S. Treasury bills</td>
<td>8/31/64</td>
</tr>
<tr>
<td>62 000 U. S. Treasury bills 2 1/2 per cent</td>
<td>8/31/64</td>
</tr>
</tbody>
</table>
Men's Residence Halls of 1956 (September 18, 1956)
Purchase
$ 14,000 U. S. Treasury bonds 2 1/2% per cent 2/15/65 $ 13,855.65
  2,000 U. S. Treasury notes 3 7/8% 5/15/65 2,002.50

Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)
Purchase
$ 35,000 U. S. Treasury notes 3 3/4% per cent 2/15/66 $ 34,770.31
  14,000 U. S. Treasury notes 4% 8/15/66 14,035.00

Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)
Purchase
$ 81,000 U. S. Treasury notes 3 7/8% per cent 5/15/65 $ 81,025.31
  123,000 U. S. Treasury bonds 2 5/8% 2/15/65 121,750.78

On motion of Mr. Swain, this report was received for record.

EMPLOYMENT OF ARCHITECTS FOR LONG-RANGE STUDIES, URBANA-CHAMPAIGN

(30) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Harrison and Abramovitz, New York, New York, for architectural studies on long-range campus planning at Urbana-Champaign on special assignments as required. Compensation will be on a time cost basis for technical personnel at usual and customary hourly rates plus 150 per cent to cover overhead and profit.
Funds are available in the state capital appropriations to the University.
I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Williamson.

PUBLISHED STATEMENTS OF PROFESSOR REVILO P. OLIVER

President Henry presented the following communications which were previously sent to the members of the Board of Trustees.

To THE MEMBERS OF THE BOARD OF TRUSTEES:

On February 19 I reported to you that Mr. Revilo Oliver's widely publicized comments on President John F. Kennedy and the Federal Government had stimulated a massive public reaction which, in my view, required official notice.

You will recall that I stated that ordinarily the University takes no notice of a professor's comment or conduct as a citizen. His right to dissent, to express unorthodox views, and to criticize is protected by the tradition of academic freedom at the University of Illinois, in the academic world, and by the Statutes governing the University.

I also indicated, however, that observance of professional standards is expected, even within the protection of academic freedom, and that, in my view, Mr. Oliver's expressions on public affairs raised questions as to whether he has complied with these expectations. I indicated further that since, by custom, the consideration of such questions is a matter for professionals, I would ask the Urbana-Champaign Senate Committee on Academic Freedom and Tenure to review the situation and give me their advice.

The Board of Trustees, by formal action, endorsed my statement as making the following points:

"1. Mr. Oliver did not speak for the University, its faculty, the administration, or this Board;
2. The University strongly supports the principles of academic freedom and established procedures which require that no action be taken without an opportunity for prior faculty consultation;
3. That the administration and the Board are now seeking faculty advice."
I now submit the report from the Urbana-Champaign Senate Committee on Academic Freedom and Tenure, unanimously adopted by that group, as follows:

March 6, 1964

President David D. Henry
355 Administration (W)

DEAR PRESIDENT HENRY:

In your letter of February 21 addressed to the Chairman of our Committee you asked the Committee to review the "expressions on public affairs" contained in your statement to the Board of Trustees and to give you our advice "— as to whether University action of any kind concerning them or toward Professor Oliver because of them is indicated."

We commend you for asking the faculty, as represented by this Committee, to give you its counsel, but your request poses a difficult question for the Committee. On the one hand we wish to be helpful to you and to support the policy that administrative officers of the University consult with the faculty before making decisions on issues of concern to the academic community; but on the other hand we are confronted with the fact that our current University statutes do not appear to give our Committee, or any other faculty body, the authority to consult with the President in situations of this kind. Furthermore the Committee on academic freedom must by provisions in our University statutes afford a hearing to any staff member who feels that his academic freedom is being jeopardized; and also conduct a hearing and make recommendations when asked by a staff member against whom charges have been filed by the President, when such charges relate to the academic freedom of the staff member. It can be argued therefore that any judgment made by this Committee in response to your request would impair the ability of the Committee to act impartially when and if asked by the staff member to conduct a hearing on his behalf.

Despite these considerations the Committee has decided that it should respond to your request. To do otherwise would create the impression that the academic community at the University of Illinois is not concerned and that though the President wished to have the counsel of the faculty he could not get it. We know the academic community at the University of Illinois is concerned, and we refuse to accede to the unhappy and anomalous conclusion that the President has no right to confer with a responsible faculty committee about problems of great concern to the University and on which he must make decisions. We wish there were clear channels for such consultation and we would note in passing that when the proposed statutory revisions become effective such channels will exist.

The exercise of academic freedom rights and privileges by a faculty is not without its price to a university, but the benefits greatly outweigh the costs. The public frequently does not realize why academic freedom is such a cherished value, and is so zealously guarded, by the academic community of scholars. In the furtherance of a university's educational objectives of exploring new fields, developing and transmitting new ideas, pushing forward the frontiers of knowledge, in short, in the search for the eternal verities, administrative restraint on the scholar searching for these truths must be avoided. If, in the exercise of this protected freedom of research and expression, and despite the statutory admonition that a professor is expected to observe professional standards of "accuracy, forthrightness, and dignity befitting his association with the university and his position as a man of learning," abuses of this privilege occur, restraints on such abuses must normally be provided by the adverse judgment of the individual's professional colleagues. He must withstand the full glare of critical professional judgment and condemnation for unprofessional, undignified, unsupported, or offensive utterances. He must have the right to be as ungloriously wrong, and suffer the professional consequences thereof, as to be gloriously right and receive the acclaim of his professional colleagues therefore. Thus when abuses occur, and the public image of a great university is somewhat tarnished as a result thereof, it must be recognized that the larger gain is in the brighter image of the university presented to the scholarly world of an institution dedicated to the advancement of knowledge and learning, and one willing to pay the price for strict adherence to this ideal.
In view of these considerations, therefore, our Committee advises you:
1. That it approves your statement to the Board of Trustees on February 19, 1964.
2. That action of any kind concerning these expressions or toward Professor
   Oliver because of them is not indicated.

Bruce L. Hicks
Robert W. Johannsen
Driver B. Lindsay
Charles H. Bowman
Elwood F. Reber
Harold W. Hannah
E. B. McNatt, Chairman
Urbana-Champaign Senate Committee
on Academic Freedom and Tenure

It should be noted that my February 19, 1964, statement to the Board of
Trustees, which the Committee has approved, contains the following paragraph:

"That Mr. Oliver's views are not shared by this academic community is
certain. I believe my colleagues agree, as I said earlier, that his unsupported
accusations, and his unreasoned and vitriolic attack on the character and patriotism
of President Kennedy are beyond the bounds of good taste in public comment and
the normal proprieties of public debate."

I concur in the advice of the Committee.

I would add that I deplore the nature and manner of Mr. Oliver's comments
which to so many appear to violate the canon that a faculty member in exercising
his freedom of speech as a citizen should be mindful "that accuracy, forthright-
ness, and dignity befit his association with the University and his position as a
man of learning." This appraisal is widely shared but I do not believe that it is
adequate grounds for my filing disciplinary charges against Mr. Oliver.

David D. Henry
President

On motion of Mr. Johnston, the President's report was approved
by the Board.

Mr. Dilliard voted "No" and asked that the following explanation
of his vote be included in the record:

March 18, 1964

Mr. President: The Board of Trustees of the University of Illinois has before
it at this time the most difficult, complex, distasteful, and embarrassing problem
that has confronted the Board in the nearly four years since I was elected a
Trustee. From coast to coast the good name of the University of Illinois has been
associated inevitably with an outrageous attack on the loyalty of an assassinated
President who, as it happens, almost lost his life in the heroic service of our
country in World War II. After the first attack and since we took action con-
cerning it at our February 19 meeting, the same member of the University's faculty
has leveled a similar assault on the integrity of the Chief Justice of the United
States. In each case the publication appeared in a magazine connected with the
John Birch Society.

As a citizen of Illinois, as well as a member of this Board, I support fully
the fundamental principle of academic freedom, founded on the historic American
guarantee of freedom of mind and speech, with the widest possible latitude for
every University of Illinois scholar to inquire and expound, in the light of his
intelligence and of his learning, and according to his conscience. I also recognize,
and, in so far as it may be my official duty to do so, I encourage the separate role
of the university scholar as a participating citizen in a society of many differing
attitudes and opinions. At the same time, I regard the academic man's search for
truth, with its scrupulous documentation of supporting evidence as the indispensable
hallmark of accurate and trustworthy research by the university teacher and
scholar. Freedom of inquiry is both cherished and right and unshirkable respon-
sibility. Nowhere is this more true than on a university faculty dedicated to the
education of citizens and the advancement of knowledge.
I appreciate, in the statement before us the careful thought and earnest deliberation on the part of the President of the University and of its Committee on Academic Freedom and Tenure. However, the statement does not go far enough for me in three major respects:

First, it does not declare with sufficient fervor for me the devotion of the University of Illinois to free inquiry and expression.

Second, it does not sufficiently for me disavow and disassociate the University of Illinois from the disgraceful reflections against the martyred President and the sitting Chief Justice of the United States who is now conducting an investigation of that still shocking tragedy.

Third, it does not assert with sufficient force for me that a University of Illinois scholar, be his field Greek and Latin or current history and contemporary political science, has an obligation to back up his conclusions with weighed and tested facts. If there is proof let it be forthcoming in the spirit and method of true academic inquiry and scholarship. If proof is not forthcoming let that be established for all to see.

I know of no way to vote for the resolution before us and at the same time express what are to me these most important considerations which I have just enumerated.

The vote I will cast is not in any way a criticism of the quality or sincerity of the statement before us. I admire both the quality and the sincerity. Neither will my vote constitute in any way an opinion in advance on any proceeding that may or may not arise later. And so with reluctance and for the reasons stated I will vote no. I request that this account of my position be a part of the record of the vote I cast in order that there be no misunderstanding.

IRVING DILLIARD

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, cancellations, and terminations; leaves of absence; appointment changes in Athletic Association staff approved by the President.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ALLEN, JOHN W., Assistant in Economics, ½ time, $1,137.51, and Research Assistant in Finance, ½ time, $1,050, February 1-June 15, 1964, supersedes (2-5-64).

ALSOBROOK, JAMES M., JR., Visiting Assistant Professor of Psychology, for two months from February 1, 1964, $653.33 a month, and for five months from April 1, 1964, 2/3 time, $490.00 a month, supersedes (3-3-64).

ATAC, MUZAFFER, Research Assistant in Physics (C), seven months from February 1, 1964, $3,500 (2-6-64).

BAKER, (MISS) MAAREB, Research Assistant in Botany, February 1-June 15, 1964, $2,100 (2-6-64).

BARTHEL, HAROLD O., Associate Professor of Aeronautical and Astronautical Engineering (C), ½ time, two months from June 16, 1964, $1,212; this is in addition to his present appointment (2-7-64).

BARTKY, SANDRA S., Instructor in Philosophy (Chicago Undergraduate Division), 5/6 time, to render service during the second semester of the academic year, 1963-64, $2,500, supersedes (2-27-64).

BAUER, EDWARD E., Professor of Civil Engineering (C), nine months from September 16, 1963, $10,000, supersedes appointment dated July 24, 1963 (2-4-64).

BENNETT, KYLE G., Instructor in Architecture (Chicago Undergraduate Division), ½ time, to render service during the second semester of the academic year, 1963-64, $2,000 (2-27-64).

BEZKROVAINY, GEORGY, Research Assistant in Civil Engineering (C), February 1-June 15, 1964, $2,300, supersedes (2-6-64).
BHAN, SURAJ, Research Associate in Metallurgical Engineering (C), ½ time, one year from September 1, 1964, $3,300 (2-7-64).

BLAYLOCK, WILLIAM C., Assistant Professor of Spanish, to render service during the second semester of the academic year, 1963-64, $3,350; and for the academic year beginning September 1, 1964, $6,700, supersedes (3-3-64).

BLUMENTHAL, SHIRLEE, Instructor in English (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, $2,600 (2-24-64).

BOKKAMP, ROBERT W., Instructor in General Engineering (C), ½ time, two months from June 16, 1964, $934; this is in addition to his present appointment, and to his Summer Session appointment on ½ time (2-7-64).

BOROWSKI, JOSEPH F., Assistant in the Graduate School of Library Science, Summer Session of 1964, June 15-August 8, 1964, $1,956 for the period (2-11-64).

BOYER, PULLY, Research Assistant in Chemistry, seven months from February 1, 1964, $3,004.19 (2-24-64).

BOYER, STANTON L., Research Assistant in Chemistry, ½ time, February 1-June 15, 1964, $2,100, supersedes (2-21-64).

BURNS, RICHARD H., Clinical Assistant in Medicine (Medicine), eight months from January 1, 1964, without salary (2-14-64).

CARR, KENNETH R., Instructor in Electrical Engineering (C), ½ time, to render service during the second semester of the academic year, 1963-64, $1,500 (2-7-64).

COHEN, LEONARD S., Research Assistant in Chemical Engineering (S), one month from February 1, 1964, $541.67, supersedes (2-7-64).

COLE, DENNIS E., Registered Pharmacist in Hospital Pharmacy (Pharmacy), seven months from February 1, 1964, $7,000 a year (2-8-64).

CROWDER, JAMES R., Research Assistant in the Coordinated Science Laboratory (S), seven months from February 1, 1964, $3,616.69, supersedes (2-21-64).
DAVIS, EARL E., Visiting Instructor in Psychology, February 1-June 15, 1964, $3,300, supersedes (2-7-64).

DAWSON, DAVID A., Project Assistant in the State Natural History Survey and in the Graduate College, six months from March 1, 1964, $2,400 (2-17-64).

DAY, MRS. PHYLLIS M., Assistant in Education (University High School), February 1-June 15, 1964, $2,650 (2-6-64).

DIEHL, DOROTHY M., Project Assistant in the State Natural History Survey and in the Graduate College, four months from March 1, 1964, $1,140 (2-24-64).

DOTY, DABNEY B., Instructor in Vocational and Technical Education, 1/4 time, February 1-June 15, 1964, $750 (2-3-64).

DU Bois, WILLIAM R., Assistant in English, February 1-June 15, 1964, $2,100, supersedes (2-18-64).

EL-ASHRY, MOHAMED T., Research Assistant in Geology, June 16-June 30, 1964, $233.33 (2-6-64).

FAIR, ARMOR J., Instructor in Management (Chicago Undergraduate Division), June 19-August 14, 1964, $1,556; this in addition to his present appointment (2-4-64).

FELTON, RICHARD P., Instructor in Business English, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $656 for the period (2-20-64).

FERBER, MRS. MARIANNE A., Lecturer in Economics, February 1-June 15, 1964, $888.89 a month (2-11-64).

FERDMAN, NADINE, Research Assistant in Chemistry, seven months from February 1, 1964, $3,004.19, supersedes (2-21-64).

GARDNER, the Njala KARL E., Chief of Party and Adviser to the Principal of University College, for service under Contract USAID/AF/E 132 at the Njala College, Sierra Leone, for one month beginning February 1, 1964, $1,672.92; and Professor of Nutrition (Dairy Science), indefinite tenure, and Associate Dean of the College of Agriculture, beginning March 1, 1964, and continuing through August 31, 1965, $18,250 a year, supersedes (2-12-64).

GARDNER, KARL E., Chief of Party and Adviser to the Principal of the Njala University College, for service under Contract USAID/AF/E 132 at the Njala College, Sierra Leone, for one month beginning February 1, 1964, $1,672.92; and Professor of Nutrition (Dairy Science), indefinite tenure, and Associate Dean of the College of Agriculture, beginning March 1, 1964, and continuing through August 31, 1965, $18,250 a year, supersedes (2-12-64).

GARLINGHOUSE, BURTON A., Visiting Lecturer in Music, Summer Session of 1964, June 15-August 8, 1964, $2,500 for the period (2-20-64).

GEORGIOULIS, EVANGELOS A., Clinical Assistant in Medicine (Medicine), seven months from February 1, 1964, without salary (2-14-64).

GILBERT, DAVID B., Visiting Instructor in Music (Flute), February 1-June 15, 1964, $3,010.15 (3-3-64).

GOLDAN, PAUL D., Research Associate in Electrical Engineering (C), seven months from February 1, 1964, $8,500 a year (2-27-64).

GRIDLEY, ROY E., Assistant in English, 1/2 time, February 1-June 15, 1964, $767, supersedes full-time appointment (2-7-64).

GRIEGO, RICHARD J., Research Assistant in Mathematics, June 16-August 15, 1964, $933.32 (2-3-64).

GRITZ, NORMAN J., Instructor in Foreign Languages (Chicago Undergraduate Division), 1/4 time, to render service during the second semester of the academic year, 1963-64, $1,875 (2-17-64).

GRUNER, BARBARA J., Research Assistant in Plant Pathology (C), January 16-August 31, 1964, $3,256.96 (2-12-64).

GU THER, HAROLD D., Chief of Party and Adviser on Agricultural Communications for service under Contract USAID/NESA-64 J, in the Ministry of Agriculture, Amman, Jordan, December 23 through December 30, 1963, and January 4, 1964, through December 31, 1965, $12,000 a year; and Extension Editor, with rank of Associate Professor of Agriculture, on indefinite tenure beginning December 31, 1963, and continuing through January 3, 1964, at a salary of $10,900 a year, and beginning January 1, 1966, at a salary to be determined in the budget for 1965-66, supersedes (1-2-64).

HAILE, HARRY, Associate Professor of Germanic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, $2,334 for the period, supersedes previous Summer Session appointment (2-20-64).
Haley, Mrs. Pamela V., Instructor in Medical Social Work (Medicine), ½ time, six months from March 1, 1964, $4,300 a year, supersedes (2-4-64).

Halford, Gary R., Instructor in Theoretical and Applied Mechanics (C), ¾ time, to render service during the second semester of the academic year, 1963-64, $1,966.92, supersedes (2-6-64).


Hartdagen, Gerald E., Instructor in History (Chicago Undergraduate Division), ½ time, to render service during the second semester of the academic year, 1963-64, $1,300 (2-27-64).

Hay, Ralph C., Professor of Agricultural Engineering and Adviser to Dean of Agricultural Engineering Technology, for service under Contract AID-1258 at the U. P. Agricultural University, Pant Nagar, U. P.; India, for five months from February 1, 1964, $16,000 a year; and Professor of Agricultural Engineering, College of Agriculture, indefinite tenure from July 1, 1964, supersedes (2-18-64).

Hinds, Frank C., Assistant Professor of Animal Science (C and S), seven months from February 1, 1964, $9,400 a year, supersedes (2-6-64).

Hoffman, Allen, Clinical Instructor in Medicine (Medicine), one year from September 1, 1963, without salary (2-26-64).

Hudson, Janette C., Assistant in Germanic Languages, February 1-June 15, 1964, $2,100 (2-25-64).

Hung, Mrs. Winifred H., Acquisition Assistant in the Library, seven months from February 1, 1964, $3,208.31 (2-11-64).

Ishiki, Kimio, Visiting Research Associate in the Digital Computer Laboratory, March 16-June 15, 1964, $2,166.66 (2-25-64).

Jaeger, Robert T., Instructor in Architecture (Chicago Undergraduate Division), ½ time, to render service during the second semester of the academic year, 1963-64, $2,000 (2-27-64).

Jones, Lawrence E., Research Assistant in Psychology, February 1-June 15, 1964, $2,100 (2-7-64).

Kachru, Braj B., Research Associate in Linguistics, October 16, 1963-August 31, 1964, $8,100 a year, supersedes (2-7-64).

Kawatra, M. P., Research Associate in Physics (C), three months from June 1, 1964, $750 a month (2-21-64).

Kieserman, David H., Assistant in the Division of General Studies, February 1-June 15, 1964, $2,100 (2-18-64).

Killian, Thomas J., Instructor in Electrical Engineering (C), February 1-June 15, 1964, $1,300, supersedes (2-6-64).

Kingery, Ross A., Associate Editor of Engineering Publications, College of Engineering, one year from September 1, 1963, $9,200, supersedes (2-3-64).

Klassen, Frank H., Teacher Training Adviser, for service under Contract USAID/AFE at the Njala University College, Sierra Leone, for two years from March 1, 1964, $12,100 a year, supersedes (2-26-64).

Krause, Albert H., Jr., Counselor in Student Affairs, Housing, Medical Center, Chicago, 15/100 time, February 1-June 15, 1964, $600 (2-24-64).

Krivan, Thomas F., Assistant Professor of Physical Education for Men, ¾ time, June 1-August 6, 1964, $1,325; this is in addition to his present appointment (2-4-64).

Lankard, David R., Research Assistant in Ceramic Engineering (C), seven months from February 1, 1964, $3,500 (2-3-64).

Lather, Donald W., Assistant Professor of Anthropology, two months from June 16, 1964, $1,878; this is in addition to his present appointment (2-7-64).

Leary, Dennis J., Research Assistant in Civil Engineering (C), one month from February 1, 1964, $600 (2-27-64).

Leggett, A. J., Research Associate in Physics (C), one year from September 1, 1963, $8,000 (2-21-64).

Levy, Edward R., Instructor in English, ¾ time, February 1-June 15, 1964, $3,467, supersedes (2-28-64).

Liston, William T., Assistant in English, February 1-June 15, 1964, $2,200, supersedes (2-20-64).

Liu, William Y., Serials Assistant in the Library, February 11-August 31, 1964, $3,050.27 (2-11-64).
LOCKHART, JOHN, Assistant in Psychiatry (Medicine), one year from September 1, 1963, without salary (2-14-64).

LOPEZ, RICHARD J., Assistant Professor of English, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $834 for the period (2-20-64).

MADISON, JAMES M., Instructor in Marketing (Chicago Undergraduate Division), 1/2 time, to render service during the second semester of the academic year, 1963-64, $1,550, supersedes (2-27-64).

MAGANINI, ROBERT J., Clinical Instructor in Surgery (Medicine), seven months from February 1, 1964, without salary (2-11-64).

MARTIA, DOMINIC F., Assistant in English (Chicago Undergraduate Division), February 1-June 15, 1964, $2,200 (2-21-64).

MARX, WERNER, Assistant Professor of Germanic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, $1,589 for the period (2-11-64).

MATSUMOTO, HIDEO, Research Associate in Pathology (Medicine), four months from February 1, 1964, $6,100 a year, supersedes (2-11-64).

MATSUMOTO, YORMI, Research Assistant in Physiology and Biophysics, seven months from February 1, 1964, $3,004.19 (2-7-64).

MATUZEK, MRS. IDA S., Head Resident, Busey Hall, January 26-March 15, 1964, $480 a month; for the convenience of the University she will also receive an apartment and meals while the dining rooms are in operation (2-11-64).

MCQUISTON, IAN B., Research Assistant in Geology, June 16-June 30, 1964, $233.33 (2-6-64).

MELHORN, WILTON N., Visiting Lecturer in Geology, Summer Session of 1964, June 15-August 8, 1964, $2,000 for the period (2-20-64).

MILES, MAURICE H., Research Associate in Metallurgical Engineering (C), six months from March 1, 1964, $8,500 a year, supersedes (2-7-64).

MILLER, ARNOLD L., Assistant Professor of Psychology, 1/2 time, to render service during the second semester of the academic year, 1963-64, $4,350 a year, supersedes (2-7-64).

MUELLER, HENRY L., Professor of Speech and Theatre, Summer Session of 1964, June 15-August 8, 1964, $2,223 for the period, supersedes his previous Summer Session appointment (2-24-64).

MULVIHILL, RICHARD J., Instructor in Physical Education for Men, 1/2 time, two months from June 16, 1964, $589; this is in addition to his present appointment (2-4-64).

NIEDERMAN, SARA C., Instructor in English (Chicago Undergraduate Division), 1/2 time, to render service during the second semester of the academic year, 1963-64, $1,800 (2-24-64).

OPPENHEIMER, ZELDA V., Assistant in Foreign Languages (Chicago Undergraduate Division), February 1-June 15, 1964, $2,500 (2-10-64).

ORTOLANO, THOMAS R., Research Associate in Chemistry, one year from September 1, 1964, $6,800 (2-3-64).

PANTONE, ANTONI M., Clinical Associate Professor of Radiology (Medicine), 1/2 time, five months from February 1, 1964, $316.67 a month (2-11-64).

PARKER, ADAH D., Instructor in Recreation and Municipal Park Administration, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $1,176 for the period, supersedes previous Summer Session appointment on 1/2 time (2-24-64).

PAUL, FLORENCE, Research Assistant in Animal Science (S), seven months from February 1, 1964, $3,033.31, supersedes (2-12-64).

PENNY, WILLIAM J., Instructor in Physical Education for Men, 3/5 time, two months from June 16, 1964, $733; this is in addition to his present appointment (2-4-64).

PFEIFER, ROBERT J., Research Assistant in Electrical Engineering (C), 1/2 time, seven months from February 1, 1964, $1,545.81; and Assistant in Electrical Engineering (C), 1/2 time, February 1-June 15, 1964, $1,084.10, supersedes (2-24-64).

POLLOCK, MICHAEL L., Instructor in Physical Education for Men, 3/5 time, two months from June 16, 1964, $840; this is in addition to his present appointment (2-4-64).

PU, MRS. LENA CHANG, Research Assistant in Mathematics, two months from June 16, 1964, $933.32 (2-4-64).
RACSTER, RONALD L., Assistant in Finance, ½ time, $1,050, and Research Assistant in Finance, ½ time, $1,050, February 1-June 15, 1964, supersedes (2-6-64).

RAGADE, INDUKANTH S., Research Associate in Chemistry, January 27-August 31, 1964, $6,100 a year, supersedes (2-11-64).

RAYNIK, MRS. ELEANOR R., Registered Pharmacist in Hospital Pharmacy (Pharmacy), February 10-August 31, 1964, $7,400 a year (2-27-64).

READ, MRS. MARGARET K., Assistant Editor in the Graduate College, February 17-August 31, 1964, $5,500 a year (2-26-64).

REILLY, ROBERT C., Assistant in Mathematics (Chicago Undergraduate Division), February 1-June 15, 1964, $2,400 (2-21-64).

ROBINSON, T. THACHER, Instructor in Mathematics, February 1-June 15, 1964, $3,600 (3-3-64).

RODRIGUEZ, MANUEL V., Assistant in Anesthesiology, Department of Surgery (Medicine), January 24-June 30, 1964, without salary (2-27-64).

ROGERS, DONALD P., Professor of Botany, Summer Session of 1964, June 15-August 8, 1964, $3,112 for the period (2-20-64).

RUSSELL, RONALD L., Research Assistant in the Center for Zoonoses Research (College of Veterinary Medicine), five months from February 1, 1964, $2,414.60 (2-25-64).

RYAN, DAVID G., Professor of Mechanical Engineering (C), ½ time, two months from June 16, 1964, $1,523; this is in addition to his present appointment (2-7-64).

SABEL, CHARLES L., Instructor in Psychology (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, $2,850, superseded (2-27-64).

SAVORY, PAUL B., Instructor in Radiology (Medicine), seven months from February 1, 1964, without salary (2-26-64).

SCHMESSER, ECKART, Research Associate in Plant Pathology (S), six months from March 1, 1964, $8,000 (2-26-64).

SCHMITT, RONALD E., Assistant in Architecture, February 1-June 15, 1964, $2,100 (2-1-64).

SHARMA, SUSHIL DUA, Visiting Assistant Professor of Psychology, ½ time, to render service during the second semester of the academic year, 1963-64, $5,200 a year, superseded (2-11-64).

SMITH, HELEN L., Visiting Lecturer in Social Sciences (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, $4,250 (2-17-64).

SPEIKLE, CASE M., Assistant Professor of Economics and Assistant Dean of the College of Commerce and Business Administration, ½ time, two months from June 16, 1964, $1,078; this is in addition to his present appointment and to his Summer Session appointment on ½ time (2-4-64).

STEIN, HERBERT J., Assistant Professor of Electrical Engineering (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, $4,500 (2-12-64).

STEWARD, DONALD C., Assistant Professor of English, Summer Session of 1964, ½ time, June 15-August 8, 1964, $789 for the period (2-20-64).

STILLERMAN, JOSEPH J., Research Associate in Dentistry (Dentistry), ½ time, eight months from January 1, 1964, $1,500 a year (2-18-64).
STORM, GERALD L., Field Ecologist in the State Natural History Survey and in the Graduate College, 2/3 time, four months from February 1, 1964, $312 a month, supersedes (3-3-64).

TAKANO, TADAO, Instructor in Art (Chicago Undergraduate Division), ½ time, to render service during the second semester of the academic year, 1963-64, $2,500 (2-24-64).

TSALOFF, VICTOR N., Assistant in Radiology (Medicine), one year from September 1, 1963, without salary (2-3-64).

TUTTLE, PRESTON H., Instructor in English, ½ time, to render service during the second semester of the academic year, 1963-64, $2,267 (2-26-64).

VANNON, JOSEPH S., Research Assistant in Psychology, February 1-June 15, 1964, $2,100, supersedes (2-24-64).

VON LEHMDEN, ALICE A., Research Assistant in Electrical Engineering (C), seven months from February 1, 1964, $3,616.69 (2-3-64).

WESLEY, THOMAS D., Instructor in Dentistry (Dentistry), ½ time, January 13-August 31, 1964, $3,750 a year (2-11-64).

WESTEMEIER, RONALD L., Project Assistant in the State Natural History Survey and in the Graduate College, five months from February 1, 1964, $2,166.65 (2-26-64).

WHITE, GEORGE W., Professor of Geology, Summer Session of 1964, July 27-August 8, 1964, $1,067 for the period, supersedes previous Summer Session appointment (2-20-64).

WHITMER, ROGER G., Lecturer on Materials and Methods of Construction (Chicago Undergraduate Division), ½ time, to render service during the second semester of the academic year, 1963-64, $1,500 (2-7-64).

WOLFE, SHARON, Research Associate in the Institute of Communications Research (College of Journalism and Communications), and Research Associate in Psychology (College of Liberal Arts and Sciences), to render service during the second semester of the academic year, 1963-64, $2,700, supersedes (2-11-64).

YUDIN, FLORENCE L., Assistant in Spanish, February 1-June 15, 1964, $2,100, supersedes (2-28-64).

ZELAN, JOSEPH, Instructor in Sociology (Chicago Undergraduate Division), to render service during the second semester of the academic year, 1963-64, $3,000 (2-27-64).

ZEWADSKI, ROBERT M., Instructor in Business English, Summer Session of 1964, ½ time, June 15-August 8, 1964, $589 for the period (2-20-64).

ZUKAUSKAS, O. EUGENIJA M., Assistant in Anesthesiology, Department of Surgery (Medicine), six months from January 1, 1964, without salary (2-14-64).

FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ADAMS, GEORGE-ANN, Vocational Rehabilitation Administration Fellow (Trainee) in Speech, seven months from February 1, 1964, $1,200 (2-18-64).

BROWN, FREDERICK S., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1964, $1,100 (2-12-64).

DEARMOND, M. KEITH, United States Public Health Postdoctoral Fellow (Trainee) in Chemistry, in the Graduate College, seven months from February 1, 1964, $3,791.62 (2-7-64).

FRIEDLAND, JOAN M., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1964, $1,100 (2-4-64).

FURUMOTO, HOWARD H., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from January 16, 1964, $6,000 (1-28-64).

GALLUZZI, V. NICHOLAS, United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, five months from February 1, 1964, $1,110.85 (12-31-63).

HOLMES, PETER K., United States Public Health Service Fellow (Trainee) in Microbiology, five months from February 1, 1964, $1,333.35 (1-30-64).

HUTSON, PHILLIP L., Fellow in History, nine months from September 16, 1963, $2,000; and two months from June 16, 1964, $250, supersedes (2-3-64).

KEMP, MARWIN K., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, $1,400 (1-31-64).
KNOPP, JAMES A., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, $1,575 (2-12-64).

KOMATSU, YUJI, Keio-Illinois Exchange Fellow in Labor and Industrial Relations, February 1-June 15, 1964, $750 (2-4-64).

LAUSEN, RICHARD A., United States Public Health Service Predoctoral Fellow in Chemistry, six months from February 1, 1964, $1,100 (2-1-64).


MAISCH, WELDOWF., United States Public Health Service Fellow (Trainee) in Microbiology, five months from February 1, 1964, $1,250 (1-28-64).

MUSLINER, WALTER J., Hoffman-LaRoche Fellow in Chemistry, February 1-June 15, 1964, $1,100 (2-14-64).

NIELSEN, LINDA A., Charles E. Merriam Fellow in Political Science, February 1-June 15, 1964, $750 (2-1-64).

NIN~, ROBERT Y., Hoffman-LaRoche Teaching Fellow in Chemistry, February 1-June 15, 1964, $1,100 (2-18-64).

PAINTER, GEORGE A., Vocational Rehabilitation Administration Fellow (Trainee) in Recreation and Municipal Park Administration, February 1-June 15, 1964, $900 (2-12-64).


TAYLOR, PAUL L., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from February 1, 1964, $5,500 (2-3-64).

WANTLAND, LARRY, Lauterbach Memorial Fellow in Food Science, four months from February 1, 1964, $833.32 (2-12-64).

WILDE, CARROLL O., National Science Foundation Mathematics Institute Teaching Fellow in Mathematics, February 1-June 15, 1964, $1,155 (2-12-64).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

ANNER, GEORGE E., Professor of Electrical Engineering, Summer Session of 1964 — declaration effective June 15, 1964.


BALUFFI, ROBERT W., Professor of Physical Metallurgy — resignation effective September 1, 1964.

BARDO, ANDRAS M., Teaching Fellow in Physics — resignation effective February 1, 1964.


COLWELL, RICHARD J., Assistant Professor of Music, Summer Session of 1964 — declaration effective June 15, 1964.

CREWS, JANICE M., Instructor in Speech (Chicago Undergraduate Division), Summer Session of 1964 — declaration effective June 19, 1964.


DIAMOND, DALE M., Research Associate in the Coordinated Science Laboratory — termination effective December 1, 1963.

DJORUP, FRANS M., Assistant Professor of Mathematics — resignation effective February 1, 1964.

EDWARDS, WILLIAM R., Research Associate in the State Natural History Survey and in the Graduate College — resignation effective February 1, 1964.

FLEMING, ROBBEN W., Professor of Law — resignation effective September 1, 1964.

FOX, ANN M., Instructor in the Graduate School of Library Science, Summer Session of 1964 — declaration effective June 15, 1964.

GALLO, FRANK, Assistant Professor of Art, Summer Session of 1964 — declaration effective June 15, 1964.

GIORDANO, CHARLES, Instructor in Germanic Languages and Literatures, Summer Session of 1964 — declaration effective June 15, 1964.

GRIEMER, BARBARA J., Research Assistant in the State Water Survey and in the Graduate College — termination effective January 1, 1964.

GUCKEL, HENRY, Research Associate in the Digital Computer Laboratory — resignation effective April 21, 1964, 12:00 noon.
Hall, William J., Professor of Civil Engineering, Summer Session of 1964 — declination effective June 15, 1964.
Hamilton, Jean A., Research Associate in Chemistry — resignation effective February 1, 1964.
Hill, Mrs. Roberta B., Research Associate in Nutritional Biochemistry, Department of Animal Science — resignation effective March 1, 1964.
Hoekman, Theodore B., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective February 1, 1964.
Hogan, James J., Instructor in Electrical Engineering — resignation effective March 1, 1964.
Jermy, Betty L., Registered Pharmacist in Hospital Pharmacy (Pharmacy) — resignation effective February 1, 1964.
Kodras, Rudolph, Assistant Professor of Veterinary Pathology and Hygiene, College of Veterinary Medicine, and of Veterinary Research, Agricultural Experiment Station — resignation effective March 1, 1964.
Lister, Basil M., National Science Foundation Institute Fellow in Mathematics — resignation effective February 1, 1964.
McVay, Millard S., Associate Professor of Electrical Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
Munday, John C., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective February 1, 1964.
Murray, Ruby H., National Institute of Mental Health Fellow (Trainee) in Social Work — cancellation effective February 1, 1964.
Nilsson, Anna, Research Associate in Animal Science — resignation effective March 1, 1964.
Oran, Cenap, Assistant Professor of Civil Engineering — cancellation effective February 1, 1964.
Peck, Ralph B., Professor of Foundation Engineering, Department of Civil Engineering, Summer Session of 1964 — declination effective June 15, 1964.
Pfleuderer, Marilyn R., Instructor in Music and Counselor in Teacher Education — resignation effective September 1, 1964.
Phillis, Burhill, Professor of Music — resignation effective September 1, 1964.
Rankin, Carolyn, Milliken College Fellow in Education — resignation effective February 1, 1964.
Redenbo, James M., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective February 1, 1964.
Reese, Mrs. Mary C., Associate Professor of Social Work — resignation effective September 1, 1964.
Ross, O. Burr, Professor of Animal Science and Head of the Department — resignation effective March 17, 1964.
Sota, Dorothy M., United States Public Health Service Fellow (Trainee) in Chemistry — resignation effective February 1, 1964.
Steinrauf, Larry K., Assistant Professor of Physical Chemistry — resignation effective March 1, 1964.
Szilvassy, Ivan P., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science — resignation effective February 1, 1964.
Trousl, Elaine B., Research Assistant in Microbiology — resignation effective February 10, 1964.
van der Linden, Richard R., Research Assistant in Education — resignation effective February 1, 1964.

Wahl, F. Michael, Assistant Professor of Geology, Summer Session of 1964 — declination effective June 15, 1964.

Wicks, Albert J., Charles E. Merriam Fellow in Political Science — resignation effective February 1, 1964.

LEAVES OF ABSENCE

Guntjier, Gotthard, Visiting Research Associate Professor of Electrical Engineering, College of Engineering — leave of absence, without pay, from April 16 through July 31, 1964, so that he may accept an invitation to teach in Germany during the coming spring and summer.

Low, Mrs. Leone Y., Instructor in Mathematics — leave of absence, without pay, from March 1 through August 31, 1964.

Nagel, Stuart S., Assistant Professor of Political Science — leave of absence, without pay, for one year from September 1, 1964, so that he may accept a fellowship at the Center for Advanced Study in the Behavioral Sciences at Palo Alto, California, in conjunction with a grant he has received from the American Council of Learned Societies for research.

Schlosser, Robert E., Associate Professor of Accountancy — leave of absence, without pay, for one year from September 1, 1964, so that he may undertake a professional assignment with the firm of Price Waterhouse and Company in its training program.

Steiner, Ivan D., Professor of Psychology — leave of absence, without pay, for one year from September 1, 1964, so that he may accept an appointment as Visiting Professor of Psychology at the University of Wisconsin.

Tovar, Antonio, Professor of the Classics — leave of absence, without pay, for the second semester of the academic year 1964-65, for the purpose of travel abroad and teaching at the University of Madrid.

Voss, Jerrold R., Assistant Professor of City Planning, in the Department of City Planning and Landscape Architecture — leave of absence, without pay, for one year from September 1, 1964, so that he may accept an appointment as Adviser to the Bandung Institute of Technology, Division of City and Regional Planning in Bandung, Indonesia, under the auspices of the Center for Urban Studies of Harvard University and United Nations Technical Board.

APPOINTMENT CHANGES IN ATHLETIC ASSOCIATION STAFF

APPROVED BY THE PRESIDENT

Baker, L. W., appointed Assistant Football Coach, February 1, 1964, at an annual salary of $7,500 (vice William L. Tate).

Fletcher, Ralph E., Assistant Football Coach, retired from active service March 1, 1964; will continue as Assistant Professor of Physical Education.

Hart, Jack W., appointed Assistant Football Coach, March 1, 1964, at an annual salary of $8,500 (vice Ralph E. Fletcher).

Tate, William L., Assistant Football Coach, resigned February 8, 1964.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested and was ordered for consideration of recommendations relating to property acquisitions and to patentable inventions, this session to be held after luncheon.

He also announced that the Honorable Robert C. Weaver, Administrator of the Housing and Home Finance Agency, Dean Allen S. Weller of the College of Fine and Applied Arts, and Professor Louis B. Wetmore, Head of the Department of City Planning and Landscape Architecture, would be guests of the Board at luncheon, and that Dr. Weaver would address the Board briefly.

On motion of Timothy W. Swain, the Board recessed.

When the Board reconvened in executive session, the same members
of the Board, officers of the Board, and officers of the University as recorded at the beginning of these minutes were present, except for Mr. Page, who asked to be excused.

The Board considered the following items of business.

PURCHASE OF LAND FOR RADIO DIRECTION-FINDING FACILITY
(1) Since April, 1957, the University has been leasing a forty-one acre tract of land four miles south of Bondville, Illinois, as a site for a radio direction-finding facility used by the Department of Electrical Engineering for research under a contract with the United States Navy. The lease provides for payments of annual rentals and liquidated damages, such payments being made from contract funds. The lease also includes an option to purchase the land at a price not to exceed $18,245.

On October 26, 1963, the Board authorized purchase of 210 acres adjacent to the original forty-one acre tract for immediate expansion of the radio direction-finding facility which land has now been acquired. The United States government has provided all the necessary funds for operation, equipment, rental payments, and liquidated damages. The United States Navy has now requested the University to purchase the forty-one acre tract as a contribution to the research program. The legal description of this tract is:

The South half (S½) of the East half (E½) of the Northwest quarter (NW½) of Section two (2), and a strip of land sixteen and one-half (16½) feet wide providing access to the aforementioned forty (40)-acre tract from the paved road along the East side of said Section two (2), and said access strip to be located along the South edge of the North half (N½) of the Northeast quarter (NE½) of Section two (2), and the East sixteen and one-half (16½) feet of the South sixteen and one-half (16½) feet of the Northeast quarter (NE½) of the Northwest quarter (NW½) of Section two (2), all in Township eighteen (18) North, Range seven (7) East of the Third Principal Meridian, and containing forty-one (41) acres more or less in the county of Champaign, and State of Illinois.

The Head of the Department of Electrical Engineering, the Chairman of the Research Board, and the Vice-President and Comptroller recommend the purchase of this tract from funds in the Contract Research Reserve.

I concur and request that the Comptroller and the Secretary of the Board be authorized to execute the necessary documents to complete this acquisition.

On motion of Mr. Swain, the purchase of this land, as recommended, was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Page, Mr. Williamson.

CONDEMNATION PROCEEDINGS FOR ACQUISITION OF PROPERTY
AT 1301 WEST STOUGHTON STREET, URBANA, ILLINOIS
(2) University representatives have been negotiating for the purchase of the property at 1301 West Stoughton Street, Urbana, Illinois, a corner lot 66 feet by 100 feet, with a two and one-half story and basement frame house. The land area is needed as part of the site for expansion of the Digital Computer Laboratory.

The owner’s representative was informed that a recommendation would be made to the Board for the purchase of the property at a price of $28,500, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller therefore recommend that condemnation proceedings for the acquisition of the property be authorized. The Committee on Buildings and Grounds has been consulted and supports this recommendation.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur and recommend adoption of the following resolution:
Resolution Authorizing Condemnation of Property at 1301 West Stoughton Street, Urbana, Illinois

Be It, and It Is Herby Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot One (1) in Block Fifty-four (54) of the Seminary Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for expansion of the Digital Computer Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

Be It, and It Is Herby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land can not be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

Therefore, Be It, and It Is Herby Further Resolved, Found, and Declared by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land can not be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Herby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Page, Mr. Williamson.
PURCHASE OF PROPERTY AT 1301 WEST STOUGHTON STREET, URBANA, ILLINOIS

(3) Director Havens reported that University representatives contemplate further negotiations for the acquisition of this property through purchase, rather than through condemnation proceedings as authorized by the Board, and requested instructions.

On motion of Mr. Johnston, the purchase of this property, at a price not to exceed $32,500, was authorized with the understanding that if the negotiations are successful and the property is purchased for this price, the condemnation proceedings will not be instituted. This action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Kerner, Mr. Page, Mr. Williamson.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(4) The University Patent Committee submits, with the concurrence of the Chairman of the University Research Board, a series of recommendations relating to inventions.

That the rights of the University in the following inventions be released to the University of Illinois Foundation for further study, development, and possible patent application, subject to any rights that the United States government may have in each particular case:

1. Series-fed logarithmically-periodic folded dipole antenna — Keith G. Balmain, Research Assistant in Electrical Engineering, inventor; developed without the use of government funds. This is an antenna capable of covering a very wide range of frequencies with uniform characteristics. The novel feature of the invention is the use of folded dipole antenna elements connected in series with the wire (or wires) of a feeder.

2. Transit automatic fare system — Michael Blurton, Research Assistant in the Bureau of Economic and Business Research, inventor; developed without the use of government funds. This is a system of automatic passenger-operated fare collection and statistical data recording for bus transit, rail transit, or commuter railroad use.

3. Electrostatic impact probe for measurement of the mass flow of solid particles in a gas-solid suspension — Robert C. Dimick, Research Assistant in Mechanical and Industrial Engineering, inventor; developed with the use of funds from a subcontract with the Project SQUID, Prime Contract No. Nonr-3023 (S-6) with the United States Navy. This invention consists of a probe for measuring the mass flow of solid particles suspended and transported by gas flow in a pipe or duct. Other uses for this probe would be to monitor the mass flow in the pneumatic transport of powdered coal or powdered materials used in manufacturing processes and to determine how well antistatic protection measures were working in the transport of explosive air-powdered grain mixtures in flour and feed mills.

4. Log-periodic cavity-slot antenna — Paul E. Mayes, Associate Professor of Electrical Engineering, and V. A. Mikenas, Research Assistant in Electrical Engineering, inventors; developed with the use of funds from the United States Air Force, Contract No. AF 33(657)-10474. This invention was designed to meet the need for broadband antennas which do not protrude above a large conducting surface, for use in high-speed aircraft and missiles and for some applications on the earth's surface.

5. Reduced-length dipole and monopole antennas and antenna arrays — Paul E. Mayes, Associate Professor of Electrical Engineering, and David T. Stephenson, Research Assistant in Electrical Engineering, inventors; developed with the use of funds from the United States Navy, Contract No. N123(953)30508A. This invention relates to a method of reducing the length of dipole and monopole antennas and, thereby, also reducing the size of certain antenna arrays which use dipole or monopole elements.
6. Log-periodic series-type folded dipole array — Raj Mittra, Associate Professor of Electrical Engineering, and Marvin L. Wahl, Research Assistant in Electrical Engineering, inventors; developed with the use of funds from the United Air Force, Contract No. AF 33(657)-10474. It has been considered desirable to design a free-space model of a wideband antenna which has an impedance in the neighborhood of 300 ohms, such that it could be matched directly to a standard 300 ohm line. A possible solution to this problem is the series loading of elements on the transmission line which, in effect, raises the input impedance of the antenna to a value larger than the characteristic impedance of the feed line itself.

7. Letter rack antenna — Raj Mittra, Associate Professor of Electrical Engineering, and Marvin L. Wahl, Research Assistant in Electrical Engineering, inventors; developed with the use of funds from the United States Air Force, Contract No. AF 33(657)-10474. The antenna is a composite system consisting of a trough structure, which is coupled to another system made up of a series of loops, series loading an unbalanced transmission level. The heart of the present design is the coupling of the two systems, and the resulting antenna is considered to be a new device. Its important features are (a) flush mounting in aircraft bodies or flush with the ground, and (b) very broadband design (log-periodic).

That the rights of the University in the following inventions be released to the sponsoring agencies, since the possibility of commercial value is remote:

8. Automatic area compensator of constant stress cycling — C. E. Feltner, Research Associate in Theoretical and Applied Mechanics, and J. A. Jackobs, Engineering Assistant in Theoretical and Applied Mechanics, inventors; developed under research sponsored by the United States Air Force, Contract No. AF 33(657)-8177. This invention is highly specialized and will probably be rarely used except in situations such as were encountered in carrying out the contract research.

9. Electro-optical modulation of radiation pattern, photo-electric devices, and electro-optical method of light modulation — Gabor K. Ujhelyi, Research Assistant in the Digital Computer Laboratory, and Sergio T. Ribeiro, Research Associate in the Digital Computer Laboratory, inventors; developed under research sponsored by the United States Navy, Contract No. Nonr-1834(15). These inventions are in the area of lasers, in which the Government is very interested at the present time. The Navy is eager that applications be filed for patents; however, it is the opinion of the Director of the research and of the Committee that neither the University nor the Foundation should undertake the development of these devices at this time.

That the rights of the University in the following inventions be released to the inventor or inventors, since the possibility of commercial value is remote and since the United States government is not involved:

10. Short method for blood glucose determination — Clarence A. Johnson, Sophie J. Presley, Jerome T. Paul, and Eugene J. Ranke, all from the Departments of Medicine and Biological Chemistry of the University at the Medical Center, inventors. The purpose of this study is to present a rapid, simple, and reliable colorimetric method for the determination of blood glucose, that may be used with or without the spectrophotometer; it represents a modification of the fluoran reaction.

11. Improved magnesium aluminate refractory compositions — Tracy A. Willmore, Research Associate Professor of Ceramic Engineering, and Alfred W. Allen, Professor of Ceramic Engineering, inventors; developed under research supported by the Amsted Research Laboratory. This invention relates to the improvement of the high temperature properties (transverse strength, in particular) of refractory materials fabricated from magnesium aluminate. The Head of the Department of Ceramic Engineering states that it appears that only the sponsor could receive the principal commercial benefits, if any arise. I concur.
On motion of Mr. Swain, these recommendations were approved.

On motion of Mr. Swain, the Board adjourned.

A. J. Janata  Howard W. Clement
Secretary       President

Following adjournment of the Board, the Committee on General Policy and Committee on Buildings and Grounds met for work sessions.
The April meeting of the Board of Trustees of the University of Illinois was held in the administrative offices of the Chicago Undergraduate Division at Navy Pier, Chicago, Illinois, on Wednesday, April 15, 1964, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Theodore A. Jones, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Ray Page, and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Harold N. Cooley, Assistant Administrative Dean in the Vice-President's Office, Chicago Undergraduate Division, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
MINUTES APPROVED

The Secretary presented the minutes of the meetings of the Board of Trustees on July 2 and August 1, 1963, press proof copies of which have previously been sent to the Board. On motion of Mr. Swain, these minutes were approved as printed on pages 677 to 743, inclusive.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY

The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDWARD JOSEPH BURNS</td>
<td>Oak Park, Illinois</td>
<td>Michigan</td>
</tr>
<tr>
<td>PHILIP LEROY DEFLIESE</td>
<td>Garden City, New York</td>
<td>New York</td>
</tr>
<tr>
<td>ROBERT EMMETT FARRELL</td>
<td>Lisle, Illinois</td>
<td>California</td>
</tr>
<tr>
<td>LEWIS EVERETT GRAF</td>
<td>Fairfield, Iowa</td>
<td>Iowa</td>
</tr>
<tr>
<td>CARL SCOTT HELTZEL</td>
<td>Chicago, Illinois</td>
<td>Texas</td>
</tr>
<tr>
<td>JOHN LEONARD HENNESSY</td>
<td>Lake Forest, Illinois</td>
<td>Connecticut</td>
</tr>
<tr>
<td>FRANCIS PELTIER MAYO</td>
<td>Madison, Wisconsin</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>ARTHUR GARLISCH WESSON</td>
<td>Milwaukee, Wisconsin</td>
<td>New York</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Williamson, these certificates were awarded.

HONORARY DEGREE

(2) The Urbana-Champaign Senate has recommended the conferring of the honorary degree of Doctor of Music on Marian Anderson, concert and opera singer.

During the season of 1964-65, Miss Anderson will make her farewell appearances as a performing artist. Since her professional career was launched in the United States in the early 1930's, she has sung to millions of music lovers both in this country and abroad. She has given recitals at the University of Illinois on two occasions.

The degree will be conferred at the Commencement Exercises at Urbana-Champaign on June 13, 1964.

On motion of Mr. Dilliard, this degree was authorized.

APPOINTMENTS TO THE FACULTY

(3) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. NELDA E. ALGER, Assistant Professor of Zoology, beginning June 1, 1964, at an annual salary of $11,000.
2. EDMUND G. ANDERSON, Assistant Professor of Pharmacology, College of Medicine, beginning June 1, 1964, at an annual salary of $13,000.
3. R. WARWICK ARMSTRONG, Assistant Professor of Geography, one year from September 1, 1964, at a salary of $8,000.
4. ROBERT K. BING, Assistant Professor of Occupational Therapy, College of Medicine, six months from March 1, 1964, without salary.
5. MARY M. BURDETT, Assistant Professor of Music, beginning September 1, 1964, at an annual salary of $7,500.
6. BERT E. ELWERT, Assistant Professor of Business Administration, Chicago Undergraduate Division, one year from September 1, 1964, at a salary of $9,000.
7. EDWARD FUTTERMAN, Assistant Professor of Psychiatry, College of Medicine, beginning January 1, 1964, without salary.
8. MITCHELL L. GRAY, Visiting Associate Professor of Veterinary Pathology and Hygiene, College of Veterinary Medicine, and in Veterinary Research, Agricultural Experiment Station, March 16, 1964, to January 31, 1965, at an annual salary rate of $14,500.
9. NEVILLE C. HUNSAKER, Visiting Professor of Mathematics, two and one-half months from June 16, 1964, at a salary of $3,250.
10. YOSHIHIKO ICHIKAWA, Research Associate Professor of Physics and in the Coordinated Science Laboratory, one year from September 1, 1964, at a salary of $13,500.
11. ROBERT H. KARGON, Assistant Professor of History, one year from September 1, 1964, at a salary of $7,500.
12. GENYA KISHI, Research Associate Professor of Electrical Engineering and in the Coordinated Science Laboratory, one year from September 1, 1964, at a salary of $13,500.
13. MINERVA PINNELL, Assistant Professor of Art, beginning September 1, 1964, at an annual salary of $8,500.
14. MARY J. SHEEHAN, Assistant Professor of Nursing, beginning March 23, 1964, at an annual salary of $7,700.
15. JOHN C. STUBBS, Assistant Professor of English, one-half time, for the 1964 Summer Session, at a salary of $767.
16. JOHN THOMPSON, Associate Professor of Geography and Director of the Center for Latin-American Studies, two months from June 16, 1964, at a salary of $2,446; Associate Professor of Geography, one-half time, and Director of the Center for Latin-American Studies, one-half time, beginning September 1, 1964, at an annual salary of $11,000.
17. ALEXANDER VUCINICH, Professor of Sociology, three-fifths time, and Professor in the Russian Language and Area Studies Center, two-fifths time, beginning September 1, 1964, at an annual salary of $17,000.
18. ADAM R. ZAK, Associate Professor of Aeronautical and Astronautical Engineering, beginning September 1, 1964, at an annual salary of $9,500.

On motion of Mrs. Watkins, these appointments were confirmed.

HEADSHIP OF DIGITAL COMPUTER LABORATORY

(4) The Acting Dean of the Graduate College recommends the appointment of Dr. John R. Pasta as Research Professor of Physics on indefinite tenure and Head of the Digital Computer Laboratory beginning May 1, 1964, at an annual salary of $20,000 on a nine-month service basis.

The nomination of Dr. Pasta, currently Research Professor of Physics at the University of Illinois, as Head of the Digital Computer Laboratory to succeed Dr. A. H. Taub, who is leaving the University to accept a position at the University of California at Berkeley, was initiated by a special search committee,1 and is concurred in by the Executive Vice-President and Provost.

I recommend approval.

On motion of Mr. Pogue, this appointment was approved.

1 Acting Dean H. E. Carter, Graduate College, Chairman; P. T. Bateman, Professor and Associate Head of the Department of Mathematics; H. S. Gutowsky, Professor of Physical Chemistry; W. C. Jacob, Professor of Biometry and Data Processing and Associate Head of the Department of Agronomy; D. E. Muller, Research Professor of Mathematics and of Applied Mathematics in the Digital Computer Laboratory; K. C. Smith, Research Assistant Professor of Electrical Engineering; L. R. Tucker, Professor of Educational Psychology; M. E. Van Valkenburg, Professor of Electrical Engineering and Associate Director of the Coordinated Science Laboratory.
BUSINESS MANAGERS OF CHICAGO COLLEGES AND DIVISIONS

(5) The Vice-President and Comptroller has recommended that when the Congress Circle Campus is activated, Mr. James E. Osborn, presently Business Manager at the Medical Center, be transferred to the position of Business Manager of the University of Illinois at Congress Circle, and this change in his status will be included in the budget for 1964-65.

To fill the vacancy created by this transfer, the Vice-President and Comptroller now Recommends the appointment of Mr. David W. Bonham, presently Assistant to the Auditor, as (1) Assistant to the Business Manager at the Medical Center beginning September 1, 1964, and continuing through January 31, 1965, at an annual salary rate of $13,500; and (2) Business Manager at the Medical Center from February 1, 1965, through August 31, 1965, at an annual salary rate of $15,000. This appointment includes a change in his status from the nonacademic staff to an administrative position.

I concur.

On motion of Mrs. Watkins, these recommendations were approved.

FLIGHT INSTRUCTION FEE

(6) The Director of the Institute of Aviation has recommended that the fee for flight instruction be increased from $350 to $375 due to increasing costs of the training program. The present fee of $350 was established three years ago.

The Executive Vice-president and Provost and the Vice-President and Comptroller recommend approval.

I concur.

On motion of Mrs. Watkins, this change in fee was authorized.

EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of the following firms for the projects and on the terms indicated:

Fugard, Burt, Wilkinson, and Orth, Chicago—Central National Bank Building remodeling, Congress Circle

The fee will be on the basis of time card cost of services of professional personnel, plus 150 per cent for overhead and commission, provided that the maximum fee will not exceed 10 per cent of the cost of construction.

Clark, Dietz, Painter, and Associates, Urbana—Engineering design and drawing work on parking lots to be constructed during 1964-65 in Urbana-Champaign

The fee will be based on Schedule B of the standard fees of the Illinois Society of Professional Engineers related to the cost of construction.

Warren and Van Praag, Inc., Decatur—Water main extensions on the South Campus, Urbana-Champaign

The fee will be based on Schedule B of the standard fees of the Illinois Society of Professional Engineers.

The Committee on Buildings and Grounds and the Advisory Committee on the Selection of Architects and Engineers support these recommendations.

I concur.

On motion of Mr. Swain, these recommendations were approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(8) The Committee on Nonrecurring Appropriations recommends the following appropriations from the University General Reserve:

Urbana-Champaign

1. Admissions and Records, equipment..............................................$ 10,550
2. College of Agriculture
   Dixon Springs Experiment Station, water system and fire protection.. 20,000
   Agriculture Administration, equipment for a new student lounge...... 2,000
3. College of Education, equipment ........................................ 14,000
   Department of Mining, Metallurgy, and Petroleum Engineering, equipment 13,100
5. College of Fine and Applied Arts
   Department of Art, equipment ....................................... 9,730
6. College of Liberal Arts and Sciences
   Department of Chemistry and Chemical Engineering, equipment ....... 39,284
7. Library
   Supplementary book funds ............................................ 136,000
   Public Service Departments, equipment .............................. 19,825
8. University Extension
   Hott Memorial Center, equipment .................................... 5,200
9. College of Veterinary Medicine
   Department of Veterinary Clinical Medicine, veterinary pathology building at the Veterinary Research Farm 6,270
10. Physical Plant Department
    Air conditioning in the Agricultural Engineering Building ............ 3,400
    Remodeling in Mumford Hall for a student lounge .................. 7,540
    Remodeling in Bevier Hall for Cooperative Extension Service in Agriculture and Home Economics .......... 3,640
    Remodeling in the Mechanical Engineering Building for the Department of Mechanical and Industrial Engineering 12,400
    Installation of night illumination for the Mirko sculpture at Krannert Art Museum 3,500
    Remodeling in the City Planning Library 2,480
    Installation of floor tile in McKinley Hospital 4,465
    Remodeling in the Natural History Building for the Department of Zoology 25,180
    Remodeling for the Department of Chemistry and Chemical Engineering 48,760
    Remodeling for the College of Veterinary Medicine 28,760
    Remodeling of building at 205 South Goodwin Avenue for the Office of Instructional Television 6,120
    Total, Urbana-Champaign ........................................... $430,099

Medical Center
11. College of Pharmacy, equipment .................................... 19,975
12. Research and Educational Hospitals, equipment ....................... 54,670
13. Physical Plant Department
    Remodeling in the Research and Educational Hospitals Addition for the Department of Occupational Therapy 5,400
    Total, Medical Center ............................................. $80,045
    Grand Total ...................................................... $510,144

I concur.

On motion of Mr. Dilliard, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kern, Mr. Page.

**CONTRACT FOR ELEVATOR RECONSTRUCTION IN METALLURGY AND MINING BUILDING**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $56,655 to English Brothers Company, Champaign, the lowest bidder, for reconstruction of the elevator shaft and installation of a new elevator in the Metallurgy and Mining Building.

This building, formerly the Laboratory of Physics, is being remodeled for the use of the Department of Mining, Metallurgy, and Petroleum Engineering.
Funds are available in state capital appropriations for 1963-65 and have been released.

I concur.

On motion of Mrs. Watkins, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

**CONTRACTS FOR REMODELING IN FIRST UNIT OF DENTISTRY-MEDICINE-PHARMACY BUILDING**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling of two lecture rooms in the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder.

**General — Mueller Construction Company, Chicago**

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>Base bid</td>
<td>$22,174</td>
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<tr>
<td>Additive alternates:</td>
<td></td>
</tr>
<tr>
<td>Remodel Lecture Room 221</td>
<td>14,475</td>
</tr>
<tr>
<td>Acoustical work: Lecture Room 423</td>
<td>598</td>
</tr>
<tr>
<td>Lecture Room 221</td>
<td>605</td>
</tr>
<tr>
<td>Service charge for supervision of</td>
<td>1,990</td>
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<tr>
<td>other contracts assigned to this</td>
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<td>contractor</td>
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**Total** $39,842

**Electrical — Fries Walters Company, Chicago**

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<tr>
<td>Base bid</td>
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<tr>
<td>Additive alternate for new lighting in Lecture Room 221</td>
<td>3,750</td>
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**Total** $14,350

**Plumbing — Ashland Plumbing and Heating Company, Chicago**

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<tr>
<td>Base bid</td>
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<tr>
<td>Additive alternate to remove radiators and extend ductwork in Lecture Room 221</td>
<td>1,500</td>
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**Total** $14,600

**Heating and Air Conditioning — Crone Associates, Inc., Chicago**

<table>
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<tbody>
<tr>
<td>Base bid</td>
<td>$21,200</td>
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<tr>
<td>Additive alternate for extension of ductwork in Lecture Room 221</td>
<td>3,000</td>
</tr>
</tbody>
</table>

**Total** $24,200

**Ventilation — Moto Heating, Ventilating, Air Conditioning Corporation, Chicago**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base bid</td>
<td>$21,200</td>
</tr>
<tr>
<td>Additive alternate for extension of ductwork in Lecture Room 221</td>
<td>3,000</td>
</tr>
</tbody>
</table>

**Total** $24,200

The remodeling will consist of upgrading lecture rooms 423 and 221. Specifically, it will provide air conditioning, new lighting, new chalkboards, acoustical ceilings, and improvements for visual aid teaching.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price $89,646; and that an agreement be entered into with Mueller Construction Company for the assignment of these other contracts for $1,990 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.

Funds for this work are available from the state capital appropriations to the University for 1963-65.

A schedule of all bids received is submitted herewith, and a copy is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

**THE HEALTH PROFESSIONS EDUCATIONAL ASSISTANCE ACT OF 1963-PUBLIC LAW 88-129**

(11) Public Law 88-129, the Health Professions Educational Assistance Act of 1963, authorizes a program of financial aid to students in medicine and dentistry.
A participating institution is required to provide one-ninth of the federal contribution to the loan fund. A student may be loaned up to $2,000 in one academic year (September to June) or $2,666 for any year enrolled in excess of the normal academic year consisting of approximately nine months. Persons who enter as first-year students after June 30, 1963, are to be given preference. Loans are to be made only to a student in need of the amount to pursue a full-time course of study. Loans are to be repaid in equal or graduated periodic installments over the ten-year period which begins three years after the student ceases to pursue a full-time course of study. Additional repayment time is available for active duty performed as a member of a uniformed service or for service as a volunteer under the Peace Corps Act. The maximum deferment for these reasons is six years; the maximum for each is three years. The liability to repay the unpaid balance will be cancelled upon the death of the borrower, or if he becomes permanently or totally disabled.

Loans bear interest, on the unpaid balance, computed only for periods during which the loan is repayable, at the rate of 3 per centum per annum or the going federal rate at the time the loan is made, whichever is greater. Loans are to be made without security or endorsement, except in the case of minors.

The Department of Health, Education, and Welfare has now requested institutions wishing to participate to file applications for funds to be used the last quarter in 1963-64 and the 1964-65 year not later than March 31, 1964. It is estimated that $55,000 could be utilized during the last quarter in 1963-64 and that $372,500 will be required during 1964-65. Estimates of need were prepared by the Deans of the College of Medicine and Dentistry and the Dean of Student Affairs in accordance with guidelines supplied by the Department of Health, Education, and Welfare. Since the amount finally available to the University for use during the periods indicated is uncertain, it is requested that the Comptroller be authorized to execute the necessary documents to secure a grant not to exceed $427,500; and that an appropriation be made to provide an amount equal to one-ninth of that received from the federal government, but not exceeding $6,111 for the 1963-64 year and $41,388.88 for the 1964-65 period. Funds to be made available to the University from the National Defense Education Act will be reduced next year as medical and dental students will no longer qualify for loans from this source. The reduction in the University matching fund requirement for the N.D.E.A. program will be applied to the Health Professions Educational Assistance Act, thereby reducing the requirement for additional funds by approximately $18,000.

I concur.

On motion of Mrs. Watkins, authority was given as requested, this action being taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

INVITATION TO VISIT UNIVERSITIES IN WEST GERMANY

(12) I request the Board of Trustees to authorize my acceptance of an invitation to attend meetings of the rectors of the universities in West Germany and to visit some of the universities following these programs. The official visitation is scheduled for the period from June 23 until July 3, exclusive of travel time. The invitation has been presented through the Association of American Universities. The presidents of twelve member institutions of that Association will constitute the delegation.

The members of the delegation will have unusual opportunity to exchange information with the leaders of higher education in West Germany and to discuss common problems and international relationships.

The mission will involve no travel expense to the University of Illinois.

On motion of Mr. Dilliard, this request was approved.

PURCHASES

Purchases Authorized

(13) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comp-
troller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in one category: purchases from Institutional Funds. This term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other donors, and University revolving funds authorized by law.

### Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One portable strain indicator</td>
<td>Electrical Engineering</td>
<td>Beckman Instruments, Inc., Lincolnwood</td>
<td>3,300.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Two self-balancing dial indicators</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One spectrophotometer, ultraviolet, including monochrometer, photomultiplier, detector, and power supply for use in analyzing samples exposed to ultra sound</td>
<td>Mathematics Project</td>
<td>Malloy Lithographing, Inc., Ann Arbor, Mich.</td>
<td>2,660.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 2,000 copies Proceedings of the UICSM Conferences on the Role of Applications in a Secondary School Mathematics Curriculum, approximately 864 pages per copy, trim size 83/4 in. by 11 in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One control system for crystal growing furnace; system consists of: recorder, control relay, magnetic amplifier, feedback unit, raytube detector, timer, enclosure and interwiring</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>NRC Equipment Corp., Newton, Mass.</td>
<td>3,511.00 f.o.b. delivered</td>
</tr>
<tr>
<td>650 chairs, wood, for use in student rooms in the Illinois Street Residence Halls</td>
<td>Housing Division</td>
<td>Gilbert A. Force Co., Chicago</td>
<td>17,070.70 f.o.b. delivered</td>
</tr>
</tbody>
</table>

On motion of Mr. Jones, these purchases were approved.

### Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants and grants from corporations and other donors, and from University revolving funds authorized by law.

### Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One multiple sample absorbance recorder</td>
<td>Biological Chemistry, Chicago</td>
<td>Gilford Instrument Laboratories, Inc., Oberlin, Ohio</td>
<td>$4,590.00 f.o.b. Oberlin, Ohio</td>
</tr>
<tr>
<td>Ten microscopes, less allowance for trade-in of five used microscopes</td>
<td>Microbiology, Chicago</td>
<td>Scientific Products Division, American Hospital Supply Corp., Evanston</td>
<td>2,832.50 delivered</td>
</tr>
<tr>
<td>One lot of new x-ray equipment consisting of one urological table, one x-ray generator, and two x-ray tube units; relocation and modification of existing equipment; less trade-in of ceiling tube hangar with surgical light mount</td>
<td>Medical Center, Chicago</td>
<td>General Electric Co., X-Ray Department, Chicago</td>
<td>12,000.00 delivered and set in place</td>
</tr>
<tr>
<td>One water still with 500-gallon storage tank</td>
<td>Physical Plant, Chicago</td>
<td>Barnstead Still &amp; Sterilizer Co., Boston, Mass.</td>
<td>6,903.00 delivered</td>
</tr>
</tbody>
</table>
Ten woodworking production machines, consisting of belt sander, lathe, grinder-buffer, drill press 20 in. and drill press 15 in., horizontal boring machine, two spindle, oscillating spindle sander, disc sander, oilstone tool grinder, and wood workers vise.

One cephalometer consisting of x-ray equipment and install.

Furnish

Ten eight-channel electroencephalograph

One monochromator, high intensity with ultraviolet grating with variable slits and accessories

Print and bind 2,500 copies of Politics as a Symbolic Form, by Murray Edelman, approximately 224 pages per copy, trim size 6 in. by 9 in.

Print, gather, and fold for mailing:

Eight issues Illinois Alumni News, 33,500 copies per issue, sixteen pages per copy, 11 in. by 17 in. Two issues Illinois Alumni News, 90,000 copies per issue, eight pages per copy, 11 in. by 17 in.

Purchases from Institutional Funds

One cephalometer consisting of x-ray examination table, three x-ray tube heads, two transformers, and one control console

One lot of metal lounge furniture, nine two-seaters, thirty-one three-seaters, and five four-seaters

One tape transport with eight-track record and reproduce heads, an erase head, and eight channels of FM and direct record and reproduce electronics

One polygraph complete with four channels, wired for eight, and rectilinear heat recording

Seven dental vacuum power units

One seven-channel capacity standard ½ in. tape recorder with four channels of analog electronics

(Internal: This purchase will be made from both Appropriated Funds, $6,886.00, and Institutional Funds, $419.50, for a total of $7,305.50.)

One constant temperature room, modular construction, 6 ft. wide by 10 ft. long by 7 ft. high, for studies of incubation of sewage cultures and studies of air pollution

One eight-channel electroencephalograph

One monochromator, high intensity with ultraviolet grating with variable slits and accessories

Print, gather, and fold for mailing:

Eight issues Illinois Alumni News, 33,500 copies per issue, sixteen pages per copy, 11 in. by 17 in. Two issues Illinois Alumni News, 90,000 copies per issue, eight pages per copy, 11 in. by 17 in.

Print and bind 2,500 copies of Politics as a Symbolic Form, by Murray Edelman, approximately 224 pages per copy, trim size 6 in. by 9 in.

One tractor-shovel with four-wheel drive, rubber-tired wheels, 1½ cubic yard bucket, snow blower, V-type snowplow and one-way snowplow, less trade-in of one 1960 International Harvestercrawler tractor with three-way grapple type bucket

Furnish and install 135 upholstered auditorium chairs with folding tablet arms in lecture room in new Education Building

University Press


Physical Plant

McElroy-Roland Machinery Co., Springfield

Physical Plant

Illini Supply, Inc., Decatur

Cleft Palate

B. F. Wehmer Co., Chicago

Dental Clinic

Milwaukee Metal Furniture Co., Chicago

Dental Radiology

Precision Instrument Co., c/o Pivan Engineering Co., Chicago

Dental Radiology

Pivan Engineering Co., Chicago

Fixed Partial Prosthodontics

Central Vacuum Corp., Oak Park

Medical Center Stores

Whitehouse Manufacturing Co., Chicago

Pharmacology, Chicago

Menomotron Division of Technical Measurement Corp., North Haven, Conn.

175 dozen laboratory coats, assorted sizes

One seven-channel capacity standard ½ in. tape recorder with four channels of analog electronics

Item | Department | Vendor | Cost
--- | --- | --- | ---
Ten woodworking production machines | Physical Plant, Congress Circle | Adams & Nelson, Chicago | $890.00
One cephalometer | | Anderson & White Supply Co., Chicago | 18 50
Furnish | | Balko Tool & Machine Co., Chicago | 210 00
Ten | | A. L. Fader Co., Chicago | 355 00
Eight-channel electroencephalograph | Neurology and Neurological Surgery | Scientific Products Division, American Hospital Supply Corp., Evanston | 7 715 00
One monochromator, high intensity with ultraviolet grating with variable slits and accessories | Physics | Matheson Scientific, Inc., Chicago | 2 804 00
Print and bind 2,500 copies of Politics as a Symbolic Form, by Murray Edelman, approximately 224 pages per copy, trim size 6 in. by 9 in. | | | 
One tractor-shovel with four-wheel drive, rubber-tired wheels, 1½ cubic yard bucket, snow blower, V-type snowplow and one-way snowplow, less trade-in of one 1960 International Harvester crawler tractor with three-way grapple type bucket | Physical Plant | McElroy-Roland Machinery Co., Springfield | 18 769 00
Furnish and install 135 upholstered auditorium chairs with folding tablet arms in lecture room in new Education Building | Physical Plant | Illini Supply, Inc., Decatur | 3 931 75

Purchases from Institutional Funds

One cephalometer consisting of x-ray examination table, three x-ray tube heads, two transformers, and one control console

One lot of metal lounge furniture, nine two-seaters, thirty-one three-seaters, and five four-seaters

One tape transport with eight-track record and reproduce heads, an erase head, and eight channels of FM and direct record and reproduce electronics

One polygraph complete with four channels, wired for eight, and rectilinear heat recording

Seven dental vacuum power units

175 dozen laboratory coats, assorted sizes

One seven-channel capacity standard ½ in. tape recorder with four channels of analog electronics

Cost | 9 980 00 | 4 567 62 | 7 450 00 | 5 956 00 | 5 821 19 | 6 295 00
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One spectrophotometer with photomultiplier</td>
<td>Medical Research, Chicago</td>
<td>Matheson Scientific, Inc.,</td>
<td>$ 3 135 00 delivered</td>
</tr>
<tr>
<td>One operation microscope equipped for photography</td>
<td>Otolaryngology</td>
<td>V. Mueller &amp; Co., Chicago</td>
<td>3 547 50 delivered</td>
</tr>
<tr>
<td>Display fixtures and cabinets</td>
<td>Pathology</td>
<td>Marshall Field &amp; Co., Contract</td>
<td>7 509 86 delivered</td>
</tr>
<tr>
<td>One lot of dental equipment consisting of seven dental chairs and</td>
<td>Pedodontics</td>
<td>Siemens Medical of America, Inc., Union, N.J.</td>
<td>15 400 00 delivered and installed</td>
</tr>
<tr>
<td>One lot wood laboratory furniture as follows: nine base cabinet units, six storage cases, two utility and laboratory tables, one storage-display cabinet, one pegboard mount, two table top units</td>
<td>Congress Circle</td>
<td>Hamilton Manufacturing Co., Two Rivers, Wis.</td>
<td>4 984 00 delivered and installed</td>
</tr>
<tr>
<td>Furnish, uncrate, and set in place drafting equipment consisting of eighteen drafting tables with reference desk; ten cabinets complete with 156 plastic instrument trays; 120 student mechanical drawing tables; seventeen drafting tables. 43 1/2 in. by 84 in., with drawers; 166 drafting chairs and stools; ninety-two steel blueprint filing cases; one lot drawing instruments consisting of scriber sets, electric razors, ten sets plastic curve sets, divider sets; thirty-six drafting table lamps</td>
<td>Congress Circle</td>
<td>Keuffel &amp; Esser Co., Chicago and Northfield Charles Bruning Co., Inc., Chicago</td>
<td>43 496 49 delivered, uncrated, and set in place</td>
</tr>
<tr>
<td>Furnish and erect 815 units steel shelving; 179 steel storage cabinets; twenty-three steel wardrobe cabinets; and ninety-seven steel bookstacks with end panels, in thirteen buildings at Congress Circle, Chicago</td>
<td>Congress Circle</td>
<td>Reb Steel Equipment Co., Chicago All-Steel Equipment Co., Inc., Chicago Interior Steel Products Co., Chicago</td>
<td>(39 269 16) f.o.b. delivered and erected</td>
</tr>
<tr>
<td>Thirty steel herbarium cases</td>
<td>Biology, Congress Circle</td>
<td>Interior Steel Products Co., Chicago</td>
<td>4 263 00 delivered and set in place</td>
</tr>
<tr>
<td>One studio piano and one grand piano for use at Congress Circle</td>
<td>Music, Congress Circle</td>
<td>Lyon &amp; Healy, Chicago Studios</td>
<td>649 50</td>
</tr>
<tr>
<td>Furnish and install one automated high-vacuum evaporator complete with base plate, electrical feedthroughs, power supply, bell jar, and other accessories</td>
<td>Physics, Congress Circle</td>
<td>Byron Ellis Associates, Chicago</td>
<td>6 119 90 delivered and installed</td>
</tr>
<tr>
<td>Furnish and install sixty-two roll-out filing units, consisting of two tier, five tier, seven tier, and five tier with tray</td>
<td>Admissions and Records and Health Service, Congress Circle</td>
<td>Steelograph, Inc., Chicago Group A Group B</td>
<td>(9 145 20 2 953 62) delivered and installed</td>
</tr>
</tbody>
</table>
UNIVERSITY OF ILLINOIS

Item
One lot of examining room equipment

Department
Health Service, Congress Circle

Vendor
Aloe Co., Division of Brunswick, Schiller Park American Hospital Supply Corp., Evanston Deba Hospital Supplies, Inc., Chicago Hospital Equipment Corp., Chicago V. Mueller & Co., Chicago

Cost
$ 21 52 12

Six pieces of painting equipment consisting of spray pump air compressor, infra-red portable light units, paint conditioner unit, and stripping tank

Department
Physical Plant, Congress Circle

Vendor
Bachli Paint Co., Chicago Gunk Chicago Co., River Forest

Cost
1 638 04

(5 523 95) delivered

Furnish labor and materials to construct pole-type storage building, 32 ft. wide by 62 ft. long, with roof and sides of 26 gauge galvanized steel, one 16 ft. wide by 12 ft. high sliding door, four 12 ft. wide by 12 ft. high sliding doors, and 5 ft. crushed rock floor and approach, building to be constructed at the Brownstown Agronomy Research Station near Newton, to be used by the Department of Agronomy to store farm machinery and other farm equipment

Department
Agronomy

Vendor
Barenfanger Construction Co., Vandalia

Cost
3 150 00

(Note: This purchase will be made from both Institutional Funds, $1,638.04, and Appropriated Funds, $1,597.57, for a total of $3,235.61.)

One astrophotometer, complete with optical and photometric systems and a 7 in. by 7½ in. viewing screen

Department
Astronomy

Vendor
Astro-Mechanics, Inc., Austin, Texas

Cost
7 225 00

One lathe, glass working, with accessories for use in high precision machining of glass items in glass-blowing work

Department
Chemistry and Chemical Engineering

Vendor

Cost
7 714 22

One recorder, XY, with curve follower, log converter, combination general purpose and time base module, recorder kit, and two maintenance manuals

Department
Chemistry and Chemical Engineering

Vendor
E I Sales, St. Louis, Mo.

Cost
4 050 00

One spectrophotometer system, including monochromator with quartz optics, micro cell attachment with magnetic stops, and heatable cell holder with accessories

Department
Chemistry and Chemical Engineering

Vendor
Matheson Scientific, Inc., Chicago

Cost
5 662 08

One mixer, small batch size (3 cubic ft.) for production of hot and cold bituminous pavement mixes for use in Civil Engineering pavement behavior studies

Department
Civil Engineering

Vendor
Barber-Greene Co., Aurora

Cost
4 120 00

One precision stereocomparator for the stereoscopic measurement of picture coordinates and parallaxes in photogrammetric stereoairs, the science and art of obtaining reliable measurements by means of photography

Department
Civil Engineering

Vendor

Cost
44 850 00

Furnish and install approximately 189¾ yards of all wool carpet with pad

Department
New Commerce Building

Vendor
Sackett's Furniture Store, Champaign

Cost
3 500 00

9,000,000 sets single part tabulating forms, continuous construction, size 14¾ in. by 11 in.

Department
Digital Computer Laboratory

Vendor
Wallace Business Forms, Champaign

Cost
26 820 00

61,000 resistors, ¼ watt, composition, fixed, 5 per cent tolerance, Mil. R.11 style RC07

Department
Digital Computer Laboratory

Vendor
Allen Bradley Co., Chicago

Cost
2 783 00

100,000 pins, taper, 24-22 wire size, insulation diameter range .065 to .080 in., crimp type maximum installed extension .432 in., overall length .550 in., gold finish

Department
Digital Computer Laboratory

Vendor
American Pencor, Inc., St. Louis, Mo.

Cost
4 674 00
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furnish and install vertical filing system, letter size, consisting of one 15 ft. range of five sections and one 12 ft. range of four sections, each with two rows of files 8 ft. high, and one counter section 6 ft. in length, 42 in. high, complete with plastic counter top</td>
<td>College of Education Building</td>
<td>Steelegraph, Inc., Chicago</td>
<td>$4 875 10 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Television equipment: Group 1: two tuners; six 23 in. monitors with speaker enclosures and ceiling mounts Group 2: three dual 8 in. picture monitors, rack mounted Group 3: seven audio jack panels, twenty-two audio patch cords Group 4: three video patch panels, ten video patch plugs, eight video patch cords, eight video distribution amplifiers, three power supplies, two amplifier mounting frames, four audio preamplifiers, two audio program amplifiers, one monitor amplifier, two amplifier mounting shelves, one audio mixer console, eight pulse distribution amplifiers</td>
<td>College of Education Administration</td>
<td>Camera Equipment Co., Inc., New York, N.Y. Group 1 and 2</td>
<td>4 572 00 f.o.b. New York, N.Y.</td>
</tr>
<tr>
<td>One polar recorder, pen response function linear and square-root, synchro ratios 1:1 and 36:1, reading turntable diameter 13 in., sensitivity for full scale linear 1 microvolt square-root 10 microvolts</td>
<td>Electrical Engineering</td>
<td>Antlab, Inc., Worthington, Ohio</td>
<td>3 625 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Labor and materials to alter the existing air-conditioning system in the research building at the Bondville Road Field Station</td>
<td>Electrical Engineering</td>
<td>Nole &amp; Black, Inc., Champaign</td>
<td>5 464 00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One batch fermentor and drive assembly including one 64 sq. ft. motor, variable speed controls, heater, pumps, and antifoam system</td>
<td>Microbiology</td>
<td>New Brunswick Scientific Co., New Brunswick, N. J.</td>
<td>4 926 00 f.o.b. delivered</td>
</tr>
<tr>
<td>One field ion microscope, including a high-speed polaroid camera</td>
<td>Mining, Metallurgy, and Petroleum Engineering</td>
<td>Central Scientific Co., Chicago</td>
<td>2 828 50 f.o.b. delivered</td>
</tr>
<tr>
<td>One duplicator, offset, for stock maximum size 11 in. by 17 in., equipped with work organizer, ink roller wash-up attachment, automatic etch attachment, blanket cleaning attachment, chain delivery and receding stacker, less trade-in on one duplicator, offset, AB Dick model 350</td>
<td>Physics</td>
<td>Magin Office Equipment Co., Champaign</td>
<td>3 583 70 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One chromatogram scanning system, completely automatic, for strip chromatograms and thin layer chromatography plates, with 4 pi scanning to count radiation from both sides of strips simultaneously</td>
<td>Physiology and Biophysics</td>
<td>Packard Instrument Co., Inc., La Grange</td>
<td>2 975 00 f.o.b. delivered</td>
</tr>
<tr>
<td>One integrated laser modulator, generator, and accessories for giant laser pulsing and ultra-high speed photography</td>
<td>Theoretical and Applied Mechanics</td>
<td>Electro-Optical Instruments, Inc., Monrovia, Calif.</td>
<td>2 720 27 f.o.b. delivered</td>
</tr>
<tr>
<td>One centrifuge, refrigerated with twenty-place head and shields for general laboratory work</td>
<td>Zoology</td>
<td>Aloe Scientific Division of Brunswick Corp., St. Louis, Mo.</td>
<td>2 549 32 f.o.b. delivered</td>
</tr>
<tr>
<td>One hundred 100 bunk beds, wood, for Illinois Street Residence Halls (SS6)</td>
<td>Housing Division</td>
<td>Joerns Furniture Co., Stevens Point, Wis.</td>
<td>9 477 00 f.o.b. delivered</td>
</tr>
<tr>
<td>Furnish and install carpeting and padding in Illinois Street Residence Halls; 390 3/4 yards in the Main Lounge in Buildings B and C Seventy yards in Residence Apartments, in Buildings A and B, and 344 yards in Reference Library and Seminar Rooms in Building FS</td>
<td>Housing Division</td>
<td>Sackett's Furniture Store, Champaign</td>
<td>5 197 95 f.o.b. delivered and installed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(6 481 31) f.o.b. delivered and installed</td>
</tr>
</tbody>
</table>
**1964]**

**UNIVERSITY OF ILLINOIS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>140 refrigerators, 9 cubic ft. capacity, white enamel finish, non-automatic defrost, complete with two ice trays,hydrator storage, and sliding chiller drawer, to be installed in Orchard Downs Family Housing Units</td>
<td>Housing Division</td>
<td>Kelvinator Division, American Motors Sales Corp., Chicago</td>
<td>$13,139.00</td>
</tr>
<tr>
<td>150 ranges, electric, white enamel finish, 20 in. wide, 220 volts, with thermostatically controlled oven, four burners—one 8-inch and three 6-inch, broil pan, two nickel-plated oven racks, storage drawer, and six ft. long electric cord and plug to be installed in Orchard Downs Family Housing Units</td>
<td>Housing Division</td>
<td>Athen Stove Works, Inc., Chicago</td>
<td>11,850.00</td>
</tr>
<tr>
<td>Conversion of twenty ball return units to increase the speed of pinsetters in the Illini Union bowling lanes</td>
<td>Illini Union</td>
<td>Brunswick Corp., Bowling Division, Hinsdale</td>
<td>28,130.00</td>
</tr>
<tr>
<td>Manuscript copy made by the scribe Ralph Crane of Sir Henry Manway-ring’s A Brief Abstract Exposition and Demonstration of All Terms, Parts and Things Belonging to a Skippe, and the Practice of Navigation, 1626</td>
<td>Library</td>
<td>Zeitlin &amp; Ver Brugge, Los Angeles, Calif.</td>
<td>2,650.00</td>
</tr>
<tr>
<td>Air Force uniforms and accessories: 90 pair boots, combat, black</td>
<td>Military Property Custodian</td>
<td>Clothing Sales Store, Chanute Air Force Base</td>
<td>4,335.30</td>
</tr>
<tr>
<td>180 caps, garrison, blue</td>
<td></td>
<td></td>
<td>f.o.b. Chanute Air Force Base</td>
</tr>
<tr>
<td>360 shirts, mans, 1505</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>360 trousers, mans, 1505</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>90 pair shoes, low quarter, black</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>450 pair socks, wool, black</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>360 pair socks, cotton, black</td>
<td></td>
<td></td>
<td>delivered</td>
</tr>
<tr>
<td>Photographic laboratory services as requested for the period of April 20, 1964, through June 30, 1965, as estimated below: Process and workprint of up to 50,000 feet of 16 mm. B&amp;W reversal Make color internegatives and answer print from AB Ektachrome original up to 6,500 ft. Make color prints from internegatives, sound, up to 550,000 ft. Make optical sound tracks from 16 mm. magnetic film up to 75,000 ft. One process camera, 96 in. bellows extension, vertical and horizontal motorized lensboard movements, 31½ in. by 31½ in. ground glass, range of enlargement three times, range of reduction seven times One set of four-pulsed xenon camera lamps and power supply One precision electrical reset timer Print and bind 2,000 copies of Slavery and Jeffersonian Virginia, by Robert McColley, approximately 224 pages per copy, trim size 6 in. by 9 in. Renewal of leases for two years (through April, 1966) of 183 miscellaneous 16 mm. films 1,600 gallons paint, traffic marking 2,000 pounds moisture proof glass beads for highway pavement marking in various areas on the Urbana campus Furnish all necessary labor and materials to remove existing cork and wood flooring in designated areas of the first, second, and third floors of the original Illini Union Building and replace with rubber tile on the first floor and cork tile on the second and third floors</td>
<td>Print Shop</td>
<td>W. A. Brown Manufacturing Co., Chicago</td>
<td>7,060.00</td>
</tr>
<tr>
<td></td>
<td>University Press</td>
<td>North Central Publishing Co., St. Paul, Minn.</td>
<td>3,199.15</td>
</tr>
<tr>
<td></td>
<td>Visual Aids Service</td>
<td>Encyclopaedia Britannica Films, Inc., Wilmette</td>
<td>5,776.00</td>
</tr>
<tr>
<td></td>
<td>Physical Plant</td>
<td>J &amp; D Supply Co., Springfield</td>
<td>3,930.50</td>
</tr>
<tr>
<td></td>
<td>Physical Plant</td>
<td>George S. Grimmett &amp; Co., Springfield</td>
<td>10,460.00</td>
</tr>
<tr>
<td></td>
<td>Physical Plant</td>
<td>George S. Grimmett &amp; Co., Springfield</td>
<td>10,460.00</td>
</tr>
<tr>
<td></td>
<td>Physical Plant</td>
<td>George S. Grimmett &amp; Co., Springfield</td>
<td>delivered and installed</td>
</tr>
<tr>
<td></td>
<td>Physical Plant</td>
<td>George S. Grimmett &amp; Co., Springfield</td>
<td>delivered and installed</td>
</tr>
</tbody>
</table>
On motion of Mr. Jones, these purchases were authorized.

## COMPROLLER'S REPORT OF CONTRACTS

(14) The Comptroller's report of contracts executed during the period March 1 to 31, 1964.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. R. Grace &amp; Co.</td>
<td>Ultrafine ceramic particles</td>
<td>$20,000.00</td>
<td>February 1, 1964</td>
</tr>
<tr>
<td>Peace Corps PC-(W)-270</td>
<td>Measurement of volunteer attitude swings in accordance with Peace Corps expectations</td>
<td>20,684.00</td>
<td>October 31, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Agriculture</td>
<td>Four projects: isolation and characterization of entero-viruses of swine; role of escherichia coli in enteritis of swine; agalactis syndrome in gilts and sows; pneumonias in swine</td>
<td>58,600.00</td>
<td>July 1, 1963</td>
</tr>
<tr>
<td>State of Illinois Department of Conservation Superintendent of Public Instruction</td>
<td>Evaluation of the performance of small dams</td>
<td>5,000.00</td>
<td>February 1, 1964</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR-633-64</td>
<td>Properties of solid solutions in metals</td>
<td>108,199.00</td>
<td>March 16, 1964</td>
</tr>
<tr>
<td>United States Air Force AF29(601)-6319</td>
<td>Indices relating the physical properties and the engineering behavior of rock</td>
<td>31,303.00</td>
<td>January 27, 1964</td>
</tr>
<tr>
<td>United States Army DA28-043AMC-00032 (E)</td>
<td>Radar study of convective precipitation</td>
<td>70,000.00</td>
<td>February 29, 1964</td>
</tr>
<tr>
<td>United States Army DA-49-193-MD-2548</td>
<td>Refractometric analysis of water in body fluids</td>
<td>23,200.00</td>
<td>January 1, 1964</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-4-10-128</td>
<td>Shaping logical behavior in six- and seven-year olds</td>
<td>5,778.00</td>
<td>February 14, 1964</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare OE-4-10-140</td>
<td>Variables related to outcomes of test interpretation</td>
<td>6,512.00</td>
<td>January 1, 1964</td>
</tr>
<tr>
<td>United States Navy Nour-3985(06)</td>
<td>Micromechanical mechanisms in organic solids</td>
<td>35,475.00</td>
<td>January 1, 1964</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$466,047.00</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Rochester sub-contract under PC-(W)-270</td>
<td>Measurement of volunteer attitude swings in accordance with Peace Corps expectations</td>
<td>$9,580.00</td>
<td>December 31, 1963</td>
</tr>
</tbody>
</table>

## Leases

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allis Chalmers</td>
<td>Rental of farm machinery: two tractors with accessories</td>
<td>$733.00</td>
<td>June 14, 1963</td>
</tr>
<tr>
<td>Manufacturing Co.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>John Deere Co.</td>
<td>Rental of farm machinery: two items, $170.45 and $566.62</td>
<td>737.00</td>
<td>August and December, 1963</td>
</tr>
<tr>
<td>International Business Machines Corp.</td>
<td>Rental of office machines: four items, $2,256.00 to $66,769.32</td>
<td>87,246.00</td>
<td>January and March, 1964</td>
</tr>
<tr>
<td>Midland Ford Tractor Co.</td>
<td>Rental of farm machinery: four items, $21,900 to $564,19</td>
<td>1,516.00</td>
<td>February, 1964</td>
</tr>
<tr>
<td>New Idea Farm Equipment Co.</td>
<td>Rental of farm machinery: one manure spreader with extras</td>
<td>117.00</td>
<td>January 16, 1964</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$90,349.00</td>
<td></td>
</tr>
</tbody>
</table>
Contract Changes

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crop-Hail Insurance Actuarial Assoc</td>
<td>Factors producing hailstorms and rainfall influences on crop yields in Illinois</td>
<td>$ 9,000.00</td>
<td>February 5, 1964</td>
</tr>
<tr>
<td>United States Air Force AF33(637)-10224</td>
<td>Generating and utilizing coherent electromagnetic radiation in the sub-millimeter and interwave region</td>
<td>84,986.00</td>
<td>November 1, 1963</td>
</tr>
<tr>
<td>United States Air Force AF49(638)-880</td>
<td>Diffusion and imperfections in metals</td>
<td>290.00</td>
<td>January 30, 1964</td>
</tr>
<tr>
<td>United States Army DA-11-022-AMC-329</td>
<td>Initiation and stability of detonation waves</td>
<td>34,947.00</td>
<td>March 18, 1964</td>
</tr>
<tr>
<td>United States Army DA-11-022-ORD-2956</td>
<td>Development of polymers for use at high temperatures</td>
<td>460.00</td>
<td>March 4, 1964</td>
</tr>
<tr>
<td>United States Navy Nonr-1834(18)</td>
<td>Variety of topics in number theory</td>
<td>20,000.00</td>
<td>August 15, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr-1834(23)</td>
<td>Theory of group representations and measure theory</td>
<td>6,678.00</td>
<td>September 15, 1963</td>
</tr>
<tr>
<td>United States Navy Nonr-3985(02)</td>
<td>Biophysical and biochemical studies on electric organs and muscle membranes of fish</td>
<td>16,500.00</td>
<td>February 1, 1964</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$172,861.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

Adjustments Made in 1963-64 Cost-Plus Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>George S. Grimmett &amp; Co.</td>
<td>Twenty-two items: $185.50 deduct to $700.00</td>
<td>$2,012.00</td>
</tr>
</tbody>
</table>

Summary

Amount to be paid to the University ........................................ $638,908.00
Amount to be paid by the University ......................................... $101,941.00

This report was received for record.

INVESTMENT REPORT

Report of the Finance Committee

(15) The Finance Committee reported the following changes in certain investment funds for the month of February, 1964:

Endowment Pool

Sale
100 shares Kennecott Copper common $ 7,949.64
7 shares Midwestern Gas Transmission common 125.96
5 shares Standard Oil Company of New Jersey common 399.84
800 shares Weyerhauser Company common 26,989.20

Purchase
200 shares Ford Motor Company common $ 10,613.52
68/100 shares General Motors common 53.46
300 shares Standard Brands common 22,639.50

Ford Foundation International Programs

<table>
<thead>
<tr>
<th>$</th>
<th>U. S. Treasury bills</th>
<th>7/30/64</th>
<th>$ 49,142.63</th>
</tr>
</thead>
<tbody>
<tr>
<td>50,000</td>
<td>U. S. Treasury bonds 25% per cent</td>
<td>2/15/65</td>
<td>49,562.50</td>
</tr>
<tr>
<td>50,000</td>
<td>U. S. Treasury notes 35%</td>
<td>2/15/66</td>
<td>79,562.50</td>
</tr>
<tr>
<td>80,000</td>
<td>U. S. Treasury notes 35%</td>
<td>2/15/66</td>
<td>79,562.50</td>
</tr>
<tr>
<td>80,000</td>
<td>U. S. Treasury notes 4%</td>
<td>8/15/66</td>
<td>80,150.00</td>
</tr>
<tr>
<td>100,000</td>
<td>U. S. Treasury notes 35%</td>
<td>2/15/67</td>
<td>99,078.13</td>
</tr>
<tr>
<td>100,000</td>
<td>U. S. Treasury notes 35%</td>
<td>8/15/67</td>
<td>99,343.75</td>
</tr>
<tr>
<td>130,000</td>
<td>U. S. Treasury bonds 37%</td>
<td>5/15/68</td>
<td>129,614.06</td>
</tr>
<tr>
<td>130,000</td>
<td>U. S. Treasury bonds 37%</td>
<td>8/15/68</td>
<td>128,578.13</td>
</tr>
</tbody>
</table>
Report of the Comptroller

The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

**Current Funds**

**Restricted Group (June 20, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 750 000</td>
<td>U. S. Treasury bills</td>
<td>3/26/64</td>
<td>$756 570 00</td>
</tr>
</tbody>
</table>

University of Andes (June 20, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 2 000</td>
<td>U. S. Treasury bills</td>
<td>1/31/65</td>
<td>$ 1 930 80</td>
</tr>
</tbody>
</table>

City of Chicago (June 20, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 3 500</td>
<td>U. S. Treasury bonds 2½% per cent</td>
<td>2/15/65</td>
<td>$ 3 470 47</td>
</tr>
</tbody>
</table>

**Construction Funds**

**Assembly Hall (June 23, 1959, and March 17, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 150 000</td>
<td>U. S. Treasury bills</td>
<td>5/14/64</td>
<td>$148 760 42</td>
</tr>
<tr>
<td>235 000</td>
<td>U. S. Treasury bills</td>
<td>6/18/64</td>
<td>232 258 33</td>
</tr>
</tbody>
</table>

**Illini Union and Health Center (December 21, 1960)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 46 000</td>
<td>U. S. Treasury bills</td>
<td>5/14/64</td>
<td>$ 45 655 64</td>
</tr>
</tbody>
</table>

**Illinois Street Residence Halls (October 17, 1962)**

<table>
<thead>
<tr>
<th>Sale</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 590 000</td>
<td>U. S. Treasury bonds 3 percent</td>
<td>2/15/65</td>
<td>$591 420 39</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 200 000</td>
<td>U. S. Treasury bills</td>
<td>2/13/64</td>
<td>$199 853 33</td>
</tr>
<tr>
<td>323 000</td>
<td>U. S. Treasury bills</td>
<td>2/20/64</td>
<td>322 553 19</td>
</tr>
<tr>
<td>130 000</td>
<td>U. S. Treasury bills</td>
<td>3/12/64</td>
<td>129 761 67</td>
</tr>
<tr>
<td>250 000</td>
<td>U. S. Treasury bills</td>
<td>4/16/64</td>
<td>248 678 47</td>
</tr>
</tbody>
</table>

**Orchard Downs and SG-2 (June 14, 1960)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 144 000</td>
<td>U. S. Treasury bills</td>
<td>5/14/64</td>
<td>$142 813 40</td>
</tr>
</tbody>
</table>

**Orchard Downs Addition (May 24, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 55 000</td>
<td>U. S. Treasury bills</td>
<td>4/16/64</td>
<td>$ 54 709 26</td>
</tr>
</tbody>
</table>

**Student Services (May 17, 1961)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 5 000</td>
<td>U. S. Treasury bills</td>
<td>4/16/64</td>
<td>$ 4 975 81</td>
</tr>
</tbody>
</table>

**Sinking Funds**

**Assembly Hall (June 23, 1959)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 201 000</td>
<td>U. S. Treasury bills</td>
<td>8/31/64</td>
<td>$196 686 76</td>
</tr>
</tbody>
</table>

**Chicago — Dentistry-Medicine-Pharmacy Reserve (December 16, 1953)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 5 000</td>
<td>U. S. Treasury bonds 4 per cent</td>
<td>8/15/72</td>
<td>$ 4 973 44</td>
</tr>
</tbody>
</table>

**Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; May 24 and October 17, 1962)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 443 000</td>
<td>U. S. Treasury bills</td>
<td>3/19/64</td>
<td>$441 273 78</td>
</tr>
</tbody>
</table>

**Illini Union and Health Center (December 21, 1960)**

<table>
<thead>
<tr>
<th>Purchase</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 262 000</td>
<td>U. S. Treasury bills</td>
<td>8/31/64</td>
<td>$256 915 31</td>
</tr>
<tr>
<td>36 000</td>
<td>U. S. Treasury bills</td>
<td>1/31/65</td>
<td>34 733 64</td>
</tr>
</tbody>
</table>
Student Services (May 17, 1961)

Purchase

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$27,000</td>
<td>U. S. Treasury bills</td>
<td>3/19/64</td>
<td>$26,891.76</td>
</tr>
<tr>
<td>$31,000</td>
<td>U. S. Treasury bills</td>
<td>8/31/64</td>
<td>$30,352.01</td>
</tr>
<tr>
<td>$4,000</td>
<td>U. S. Treasury bonds 2½% per cent</td>
<td>2/15/65</td>
<td>$3,975.00</td>
</tr>
</tbody>
</table>

On motion of Mr. Williamson, this report was received for record.

**ANNUAL REPORT OF THE TREASURER**

(16) In accordance with the By-Laws of the Board of Trustees, the Treasurer of the University has submitted a report of receipts and disbursements of University funds in his custody for the period March 1, 1963, to February 29, 1964, certified by the Comptroller. A copy of this report was sent to each member of the Board of Trustees prior to today's meeting, and a copy is filed with the Secretary of the Board.

This report was received for record.

**SALE OF MOVABLE EQUIPMENT TO ILLINOIS BUILDING AUTHORITY**

(17) The Board of Trustees of the University of Illinois on March 18, 1964, authorized the execution of a lease with the Illinois Building Authority for movable equipment to be financed by the Authority. Agreements have been reached with the Authority as to procedures for purchasing, handling, and identifying this equipment.

The Illinois Building Authority has requested the University of Illinois to purchase, identify, and place into the proper buildings movable equipment covered by the above-mentioned lease. At the end of each month, the Illinois Building Authority will reimburse the University of Illinois for expenditures incurred that month.

The Vice-President and Comptroller recommends that the Board of Trustees of the University of Illinois authorize the sale of equipment to the Illinois Building Authority under such a procedure.

I concur.

On motion of Mrs. Watkins, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

**SALE OF PROPERTY TO THE ILLINOIS BUILDING AUTHORITY**

(18) Pursuant to the authorization of the Board at its March 18, 1964, meeting, and with the approval of the Illinois Building Authority, the University of Illinois has acquired from the city of Urbana land required as part of the site of the new Civil Engineering Building, said land being Romine Street between Main Street and Springfield Avenue and part of the alley between Main and Stoughton Streets. By reason of vacation of this street and alley by the City and payment by the University for the same, title to the vacated areas is vested in the University.

This property is part of that scheduled for acquisition by the Illinois Building Authority under its land acquisition lease to the University, and it is now necessary for the Board of Trustees to authorize the sale of this property to the Illinois Building Authority.

The Vice-President and Comptroller and the Director of the Physical Plant recommend authorization of the sale of this land to the Illinois Building Authority at its acquisition cost and the adoption of the following resolution.

I concur.

**Resolution**

Be It, and It Is Hereby, Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this corporation be, and they hereby are, authorized and directed, to execute, acknowledge, and deliver, in the name, and in behalf of, this corporation, and under its Corporate Seal, a Warranty Deed and such other documents in connection therewith as said Comptroller and Secretary may deem necessary or desirable in order to convey to the Illinois Building Authority, a body corporate
and political of the State of Illinois, duly organized and existing pursuant to "An
Act to create the Illinois Building Authority and to define its powers and duties,"
approved August 15, 1961, as amended, title to the following described property,
viz:

That portion of Romine Street and Alley situated in the City of Urbana, in
the County of Champaign, and State of Illinois vacated by an ordinance
entitled "An Ordinance Vacating a Portion of a Street and an Alley" adopted
by the City Council of the City of Urbana, Illinois on the twentieth day of
January, A.D., 1964 and bounded and described as follows:

Commencing at the Northwest (NW) corner of Lot Five (5) in Block Fifty-
one (51) of the Seminary Addition to Urbana, situated in the City of Urbana,
in the County of Champaign, and State of Illinois, and thence West (W)
Sixty-six feet (66') more or less, along the South (S) line of Main Street to
the Northeast (NE) corner of Block Fifty-two (52) of said Seminary Addi-
tion thence South (S) along the East (E) line of Block Fifty-two (52) and
Fifty-three (53) of said Seminary Addition, Five Hundred Sixty-three feet
(563'), more or less, to the Southeast (SE) corner of said Block Fifty-three
(53), thence East (E) Sixty-six feet (66') more or less, to the Southwest
(SW) corner of Block Fifty-four (54) of said Seminary Addition, thence
North (N) Four Hundred Fourteen and one-half feet (414.5'), more or less,
along the West line of said Block Fifty-four (54) and Block Fifty-one (51)
to the Northwest (NW) corner of Lot Six (6) of said Block Fifty-one (51),
thence East (E) One Hundred Ninety-eight feet (198'), more or less, along the
North (N) property line of Lots Six (6), Seven (7), and Eight (8) of said
Block Fifty-one (51) to the Northeast (NE) corner of said Lot Eight (8),
thence North (N) Sixteen and one-half feet (16.5') more or less, to the
Southeast (SE) corner of Lot Three (3) in Block Fifty-one (51) of the
Seminary Addition to Urbana, thence West (W) along the South (S) property
line of Lots Three (3), Four (4), and Five (5) in Block Fifty-one (51) of the
Seminary Addition to Urbana One Hundred Ninety-eight feet (198') more
or less, to the Southwest (SW) corner of said Lot Five (5), thence North
(N) along the West (W) property line of said Lot Five (5), One Hundred
Thirty-two feet (132') more or less, to the Northwest (NW) corner of said
Lot Five (5) in Block Fifty-one (51) of Seminary Addition to Urbana, the
point of beginning; subject to easements to the City of Urbana, Illinois upon
and under the above described tract for the maintenance and repair of all
sewers and drains which are located on or under the surface of any part of
the above described tract and subject to easements to all public utilities, their
successors and assigns to operate, maintain and renew and reconstruct their
facilities as now operated and maintained, in, over, or under the above
described tract;

for, and in consideration of, the payment by said Illinois Building Authority
of the sum of Ninety-two Thousand Eight Hundred Ninety-five Dollars ($92,895.00)
to this corporation.

On motion of Mr. Williamson, the foregoing resolution was adopted
by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr.
Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent,
Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

REPORT OF COMMITTEE ON GENERAL POLICY ON REVISIONS
OF UNIVERSITY OF ILLINOIS STATUTES

Mr. Williamson, for the Committee on General Policy, presented the
following report and recommendations for revisions of Sections 6, 38,
and 39 of the University of Illinois Statutes dealing with tenure of
academic staff and academic freedom which have been proposed by the
University Senates and the Senate Coordinating Council.

This report was adopted by the Committee at a meeting held on
April 14, 1964. Mr. Williamson served as temporary Chairman of the
Committee in the absence of Mr. Johnston.
At its June 19, 1963, meeting the Board of Trustees received and referred to your Committee on General Policy for consideration and study the recommendations of the Senates and the Senate Coordinating Council for amendments in Sections 6, 38, and 39 of the existing University of Illinois Statutes. After reviewing the same with the President, the Committee found itself in substantial agreement with the Coordinating Council’s proposals, but concluded that further discussion of certain portions was indicated. Thereafter, on the recommendation of your Committee, in November of 1963 the Board approved a procedure whereby the President was requested to arrange conferences between the Committee on General Policy, the President of the Board, the Chairman and one other member of each Senate Committee on Academic Freedom, the Chairman and Secretary of the Senate Coordinating Council, the President of the University and such staff consultants as he might designate.

Two such conferences were held, one on January 29, 1964, and the other on April 13, 1964, the date of this Report. The expressions were of material assistance to your Committee in formulating the recommendations contained in the Report which recommendations your Committee believes represent the consensus of the Conferences.

Under Section 65 of the University Statutes, the modifications in the original proposals would be treated as statutory amendments proposed by the Board which require the advice of the Senates. Under these circumstances, and to provide maximum time for consideration by Senate members prior to their next meetings, your Committee is at this time filing this Report in summary form, together with its recommendations. It is anticipated that a detailed supplementary Report will be presented in due course.

Your Committee strongly endorses and recommends the adoption of the statutory amendments as proposed by the Senate Coordinating Council, except for four paragraphs [Sections 38 (d), 38 (e) (7), 38 (e) (8), and 39 (b)] in which certain additions or deletions are being recommended in this Report.

Section 38 (d) of the Council’s revision defines due cause for dismissal and the modifications recommended by your Committee are intended to clarify that conduct clearly demonstrating professional incompetence or irresponsibility may constitute cause for dismissal, whether it occurs in the classroom laboratory, or elsewhere. Your Committee’s proposals with respect to Section 38 (e) (7) are deemed to be a logical extension of matters in the record which the Board may consider in dismissal proceedings, and a further definition of the relevant factors to which the Board will give due consideration in designating the effective date of a dismissal. The modifications recommended by your Committee in Section 38 (e) (8) are based primarily on the advice from the Legal Counsel that state appropriations may not be expended as salaries to individuals who do not have an employment status and who do not perform personal services for the University.

Substantial changes in Section 39 (b) are proposed by your Committee to create a more precise understanding that, when he speaks or writes, a faculty member should be mindful of the admonitions for accuracy, forthrightness, and dignity, but “if he fails to heed these admonitions on an occasion when he is exercising his freedom of speech as a citizen, such failure shall not, of itself constitute due cause for dismissal but, after consultation with the Faculty Advisory Committee, the President may take official cognizance of such failure.”

Accompanying this Report is an Appendix in which there is presented, in columnar form, the existing University Statutes, the revisions proposed therein by the Senate Coordinating Council, and (under the heading “Modification of Senates’ Version Being Considered by Board Committee”) the modifications in the four paragraphs of the Council’s revision recommended by your Committee and summarized above.

Accordingly, in line with the comments and recommendations in this Report, it is moved that the following resolution be adopted by the Board of Trustees of the University of Illinois:

"Be It Resolved that the proposals for statutory revision as proposed by the Senate Coordinating Council and transmitted by the President on June 19, 1963, be tentatively approved, except as noted below, and

"Be It Further Resolved that the recommendations of the Committee on General Policy of the Board of Trustees of the University of Illinois in its
April 14, 1964, report on 'Revision of Sections 6, 38, and 39 of the University Statutes Proposed by Senate Coordinating Council' be considered amendments to the University Statutes proposed by the Board of Trustees, and that the advice of the University Senates be sought thereon as provided in Section 65 of the University Statutes."

COMMITTEE ON GENERAL POLICY

On motion of Mr. Williamson, this report was adopted and the recommendations of the Committee were approved without dissent. The Appendix showing the changes approved was filed with the Secretary of the Board for record.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; declinations, resignations, and terminations; leaves of absence; cancellation of sabbatical leave of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

AMJADI, HORMOZ, Assistant in Psychiatry, College of Medicine, eight months from January 1, 1964, without salary (3-20-64).
ANDERMANN, ROBERT E., Instructor in Art, Summer Session of 1964, 2/3 time, June 15-August 8, 1964, $845 for the period (3-11-64).
ANDERSON, JAMES P., Research Assistant in Anthropology, January 1-June 15, 1964, $2,566.69 (3-5-64).
ARNOLD, JOSEPH P., Research Associate in Vocational and Technical Education, College of Education, 2/3 time, March 1-June 15, 1964, $1,563.36, supersedes (2-17-64).
ASBUN, WADYL., Research Associate in Biological Chemistry, College of Medicine, four months from May 18, 1964, $600 a month, (3-6-64).
BALL, M. A., Research Associate in Physics (C), one year from September 1, 1964, $8,000 (3-1-64).
BARRON, JAN M., Research Associate in Physics (C), one year from September 1, 1964, $8,500 (3-11-64).
BARTOS, ANDRAS M., Research Assistant in Physics (C), two months from June 16, 1964, $1,020 (3-9-64).
BARROW, JOSEPH M., Adviser on Campus Planning and Architect at the Njala University College, Sierra Leone, for service under Contract USAID/AFE-132, for the period March 23 through July 22, 1964, $19,615 a year (3-25-64).
BASSEL, MRS. ALIX I. R., Research Associate in Botany, February 16-August 31, 1964, $6,500 a year (3-17-64).
BELFORD, MRS. GENEVA G., Assistant Professor of Mathematics, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $850 for the period (3-19-64).
BORESI, ARTHUR P., Professor of Theoretical and Applied Mechanics, Summer Session of 1964, 1/4 time, June 15-August 8, 1964, $828 for the period (3-5-64).
BROWN, EDMOND E., Instructor in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $1,556 for the period, supersedes (3-5-64).
BYNG, DENNIS E., Instructor in Art, Summer Session of 1964, 2/3 time, June 15-August 8, 1964, $964 for the period (3-11-64).
CLIFFORD, CLYDE L., Research Associate in Education (Mathematics Project, University High School), 1/2 time, eight months from March 1, 1964, $5,250, supersedes (3-4-64).
COOK, JOEL S., Visiting Lecturer in the University Theatre, Summer Session of 1964, 1/4 time, June 15-August 8, 1964, $1,166 for the period (3-5-64).
DART, EDWARD D., Lecturer in Architecture, Chicago Undergraduate Division, 1/4 time, five months from February 1, 1964, $1,250 (2-27-64).
DIEKHAUS, HERBERT H., Instructor in Mathematics, February 1-June 15, 1964, $3,000, supersedes (3-6-64).

EBERT, PAUL R., Associate Professor of Electrical Engineering (C), ½ time, June 16-August 15, 1964, $1,123, additional (2-7-64); and in the Summer Session of 1964, ½ time, June 15-August 8, 1964, $1,123 for the period, supersedes previous Summer Session appointment (3-19-64).

EZAWA, HIROSHI, Research Associate in Physics (C), seven months from February 1, 1965, $700 a month (3-11-64).

EGBERT, PAUL R., Associate Professor of Electrical Engineering (C), ½ time, June 16-August 15, 1964, $1,123, additional (2-7-64); and in the Summer Session of 1964, ½ time, June 15-August 8, 1964, $1,123 for the period, supersedes previous Summer Session appointment (3-19-64).

FASS, MARTIN, Research Associate in Motion Picture Services, College of Journalism and Communications, May 16-June 30, 1964, $583.33 a month (3-11-64).

FAULKNER, WESLEY W., Research Associate in Motion Picture Services, College of Journalism and Communications, two months from May 1, 1964, $550 a month (3-11-64).

FELLO, MICHAEL A., Research Assistant in Medicine (Medicine), five months from April 1, 1964, $637.50 a month, supersedes (3-10-64).

FENVES, STEVEN J., Associate Professor of Civil Engineering, and Research Associate Professor in the Coordinated Science Laboratory (C), indefinite tenure from March 1, 1964, to render service during each academic year, $10,600 a year, supersedes (3-6-64).

FETT, GILBERT, Professor of Electrical Engineering and Group Leader in the Indian Institute of Technology, Kharagpur, India, for service under Contract AIDc-1220, seven months from February 1, 1964, $22,200 a year; and Professor of Electrical Engineering (C), indefinite tenure from September 1, 1964, to render service during each academic year, supersedes (3-23-64).

FLEMING, ROBERT W., Professor of Law, two months from June 16, 1964, $2,222.50 a month; this is in addition to his present appointment (3-17-64).

FOTHERGILL, WILLIAM, Instructor in Art, Summer Session of 1964, ½ time, June 15-August 8, 1964, $1,038 for the period (3-19-64).

HANDLER, F., Assistant Professor of Law, two months from June 16, 1964, $1,333.50 a month; this is in addition to his present appointment (3-17-64).

HARTOCH, ARNOLD J., Associate Professor of Foreign Languages, Chicago Undergraduate Division, indefinite tenure from March 1, 1964, to render service during each academic year, $10,350 a year, supersedes (3-20-64).

HUGHES, ROBERT H., Consultant in the Jane Addams Graduate School of Social Work, with rank of Assistant Professor, seven months from February 1, 1964, $10,000 a year, supersedes (3-17-64).

JOHNSON, RICHARD E., Research Assistant in General Engineering (C), two months from June 16, 1964, $1,022.22 (3-11-64).

KARJALAN, DENNIS S., Instructor in Electrical Engineering, Summer Session of 1964, ½ time, June 15-August 8, 1964, $556 for the period (3-18-64).

KASKE, MRS. CAROL, Instructor in English, ½ time, February 1-June 15, 1964, $1,750 for the period (2-28-64).

JOHNSON, MILDRED S., Consultant in the Jane Addams Graduate School of Social Work, with rank of Assistant Professor, seven months from February 1, 1964, $10,000 a year, supersedes (3-17-64).

JOHNSON, MILDRED S., Consultant in the Jane Addams Graduate School of Social Work, with rank of Assistant Professor, seven months from February 1, 1964, $10,000 a year, supersedes (3-17-64).

KASKE, MRS. CAROL, Instructor in English, ½ time, February 24-June 15, 1964, $2,267 (3-11-64).

KEARNS, JOHN T., Research Associate in Psychology, five months from March 1, 1964, $3,250 (3-20-64).

KRAMER, LINDA L., Research Assistant in Animal Science (S), February 24-August 31, 1964, $2,689.43 (3-9-64).

KRISHNAMURTHY, R. V., Research Associate in Physiology and Biophysics, one year from September 1, 1964, $6,100 (3-26-64).

LAGOW, ROBERT L., Research Associate in Motion Picture Services, College of Journalism and Communications, two months from May 1, 1964, $550 a month (3-11-64).

LEE, LEAH S., Research Assistant in Law, two months from September 1, 1964, $1,150 (3-9-64).

LEONHARD, ZELMA B., Visiting Lecturer in English, Chicago Undergraduate Division, ½ time, February 1-June 15, 1964, $3,000 (3-11-64).

MALONE, WILLIAM F. P., Instructor in Fixed Partial Prosthodontics, ¾ time, and in Operative Dentistry, ¾ time, College of Dentistry, five months from April 1, 1964, $625 a month (3-20-64).
McGurk, Florence F., Research Assistant in the State Water Survey and in the Graduate College, three months from April 1, 1964, $500 a month, supersedes (2-25-64).

Mok, Chi-Hung, Research Associate in Metallurgical Engineering (C), one year from September 1, 1964, $9,000 (3-6-64).

Monfort, Thomas N., Instructor in Veterinary Clinical Medicine, College of Veterinary Medicine, ½ time, February 1-June 15, 1964, $562.50 a month (3-23-64).

Morley, Alan R., Research Assistant in Metallurgical Engineering (C), June 22-August 21, 1964, $959.53 (3-16-64).

Nicholson, Mrs. Marilyn J., Research Assistant in Pharmacognosy and Pharmacology, College of Pharmacy, March 2-August 31, 1964, $6,600 a year (2-27-64).

Page, Thomas, Associate Professor of Political Science, College of Liberal Arts and Sciences, ½ time, and Associate Professor in the Institute of Government and Public Affairs, ½ time, on indefinite tenure from March 1, 1964, to render service during each academic year, $9,850, supersedes (3-20-64).

Pardee, William D., Assistant Professor of Crop Extension (Agronomy) (S and E), five months from April 1, 1964, $10,450 a year, supersedes (3-4-64).

Perelmutter, Samuel, Instructor in Biological Sciences, Chicago Undergraduate Division, ½ time, six months from March 1, 1964, $2,025, supersedes (3-11-64).

Pfaeller, Mrs. Shirley B., Research Assistant in Chemistry, six months from March 1, 1964, $2,749.98 (3-27-64).

Phipps, Thomas E., Professor of Physical Chemistry, nine months from September 16, 1963, $12,400, supersedes (3-6-64).

Placek, Mrs. Cynthia B., Assistant Editor in Veterinary Medicine Administration, with rank of Assistant, College of Veterinary Medicine, ½ time, March 4-August 31, 1964, $1,376 a year (3-10-64).

Plessquellec, Paul L., Assistant in Geology, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (3-12-64).

Powers, Claudia A., Project Assistant in the State Natural History Survey and in the Graduate College, February 17-March 20, 1964, $300.70 (3-19-64).

Powell, George A., Research Assistant in Law, two months from June 16, 1964, $1,733.32 (3-9-64).

Rafuse, Robert W., Jr., Assistant Professor of Economics, to render service during the second semester of the academic year 1964-65, $8,300 a year, supersedes (3-23-64).

Randall, Robert F., Research Assistant in Entomology, two months from June 16, 1964, $1,022.24 (3-2-64).

Ranjotra, G. S., Research Associate in Animal Science (S), five months from April 1, 1964, $541.67 a month (3-26-64).

Richartz, Leon E., Assistant Professor in the Graduate School of Business Administration, two months from June 16, 1964, $1,027.78 a month; this is in addition to his present appointment (3-17-64).

Robinson, Philip C., Project Assistant in the State Natural History Survey and in the Graduate College, four months from March 1, 1964, $1,200 (3-19-64).

Roseblum, Michael, Instructor in English, Chicago Undergraduate Division, ½ time, February 1-June 15, 1964, $1,300 (3-20-64).

Russell, John K., Instructor in Electrical Engineering (C), to render service during the second semester of the academic year 1964-65, $2,550, supersedes (2-26-64).

Sanderson, Trevor R., Research Assistant in Metallurgical Engineering (C), June 22-August 21, 1964, $959.53 (3-16-64).

Sarlas, Sophie H., Instructor in Art, Summer Session of 1964, ½ time, June 15-August 8, 1964, $845 for the period (3-11-64).

Schneider, John M., Research Associate in Electrical Engineering (C), five months from April 1, 1964, $3,959.60, supersedes (3-16-64).

Scoulas, Demetrius, Research Assistant in Food Science (S), five months from April 1, 1964, $583.33 a month, supersedes (3-17-64).

Sibinovic, Mrs. Sarah K. H., Research Associate in Veterinary Pathology and Hygiene, College of Veterinary Medicine, ½ time, five months from April 1, 1964, $2,500, supersedes (3-18-64).
STORCH, RICHARD H., Research Assistant in Entomology, two months from June 16, 1964, $1,108 (3-2-64).

SWiattek, Kenneth, Research Assistant in Biological Chemistry, College of Medicine, five months from April 1, 1964, $429.17 a month (3-10-64).

Thompson, William N., Chief of Party and Adviser to Principal of Njala University College, for service under Contract USAID/AFE at the Njala University, Sierra Leone, for two years from March 1, 1964, $20,000 a year; and Professor of Farm Management and Policy, Department of Agricultural Economics, indefinite tenure from March 1, 1966, supersedes (3-6-64).

Tigerman, Stanley, Lecturer in Architecture, Chicago Undergraduate Division, ½ time, five months from February 1, 1964, $1,250 (2-27-64).

Tolani, Ambika J., Research Associate in Psychiatry, College of Medicine, seven months from February 1, 1964, without salary (3-6-64).

Troughton, Terence E., Field Biologist in the State Natural History Survey and in the Graduate College, four months from March 1, 1964, $1,900 (2-26-64).

Ullmann, Leonard P., Associate Professor of Psychology, indefinite tenure from March 1, 1964, to render service during each academic year, $10,650 a year, supersedes (3-17-64).

Zeh, Heinz-Dieter, Research Associate in Physics (C), one month from March 12, 1964, $800 (3-20-64).

FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

Allen, Robert R., Fellow in English, three months from June 16, 1964, $900 (3-17-64).

Allen, Adam, Postdoctoral Fellow (Trainee) in Chemistry, June 16, 1964 - January 31, 1965, $5,437.50 (2-12-64).

Arlon, Arv, Fellow in Art, three months from June 16, 1964, $900 (3-17-64).

Baldwin, John, Fellow in Chemistry, three months from June 16, 1964, $900 (3-17-64).

Blackley, G. R., Fellow in Mathematics, three months from June 16, 1964, $900 (3-17-64).

Breen, Harry F., Fellow in Art, three months from June 16, 1964, $900 (3-17-64).

Brown, Julia, Fellow in Art, three months from June 16, 1964, $900 (3-17-64).

Carey, James W., Fellow in Journalism, three months from June 16, 1964, $900 (3-17-64).

Carothers, Zane B., Fellow in Botany, three months from June 16, 1964, $900 (3-17-64).

Cole, Howard C., Fellow in English, three months from June 16, 1964, $900 (3-17-64).

Coppack, Paula B., United States Public Health Service Fellow (Trainee) in Physiology, September 15, 1964 - June 30, 1965, $1,900 (3-10-64).

Dalton, William O., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, $1,575 (3-3-64).

Davenport, Richard, Fellow in Zoology, three months from June 16, 1964, $900 (3-17-64).

Deley, Herbert, Fellow in French, three months from June 16, 1964, $900 (3-17-64).

Edlefsen, Blaine E., Fellow in Music, three months from June 16, 1964, $900 (3-17-64).

Farrell, Peter, Fellow in Music, three months from June 16, 1964, $900 (3-17-64).

Foulkes, Peter, Fellow in German, three months from June 16, 1964, $900 (3-17-64).

Fumento, Rocco L., Fellow in English, three months from June 16, 1964, $900 (3-17-64).

Gable, Norman W., United States Public Health Service Fellow (Special) in Psychiatry, one year from December 1, 1963, without salary (1-14-64).

Gilden, Carl, United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1964, $600 (3-10-64).

Golding, Sanford, Fellow in English, three months from June 16, 1964, $900 (3-17-64).
BOARD OF TRUSTEES

GUNTER, FRANK, Fellow in Art, three months from June 16, 1964, $900 (3-17-64).

HALL, JUANITA L., Vocational Rehabilitation Administration Fellow (Trainee) in Education, February 1-June 15, 1964, $900 (3-2-64).


HEINS, A. JAMES, Fellow in Finance, three months from June 16, 1964, $900 (3-17-64).

HINOMOTO, HIROHIDE, Fellow in Industrial Administration, three months from June 16, 1964, $900 (3-17-64).

HOFMANN, JOAN C., United States Public Health Service Fellow (Trainee) in Physiology, three months from April 1, 1964, $725, supersedes (3-13-64).

HOGAN, DONALD J., Fellow in English, three months from June 16, 1964, $900 (3-17-64).

KAUF, ROBERT, Fellow in Foreign Languages, Chicago Undergraduate Division, three months from June 16, 1964, $900 (3-17-64).

KORD, VICTOR, Fellow in Art, three months from June 16, 1964, $900 (3-17-64).

KRETZMANN, NORMAN, Fellow in Philosophy, three months from June 16, 1964, $900 (3-17-64).

KRONIK, JOHN W., Fellow in Spanish, three months from June 16, 1964, $900 (3-17-64).

KUISEL, RICHARD F., Fellow in History, three months from June 16, 1964, $900 (3-17-64).

LENCEK, RADO L., Fellow in Russian, three months from June 16, 1964, $900 (3-17-64).

LEVINE, ROBERT D., United States Public Health Service Fellow (Trainee) in Psychiatry, January 1-June 15, 1964, $366.66 (1-10-64).

LONG, CHARLES A., Fellow in Zoology, three months from June 16, 1964, $900 (3-17-64).

LU, CHIN-PI, Fellow in Mathematics, three months from June 16, 1964, $900 (3-17-64).

MARKWALDER, DON, Fellow in Economics, three months from June 16, 1964, $900 (3-17-64).

MELNIK, SEYMOUR I., Medical Student Alternative Quarter Fellow, March 1-May 31, 1964, $200 (2-27-64).

MILLER, CAROL, Fellow in German, three months from June 16, 1964, $900 (3-17-64).

MILLER, MARILYN T., United States Public Health Service Fellow (Trainee) in Ophthalmology, six months from January 1, 1964, $3,250 (1-15-64).

Moses, RICHARD, Fellow in Art, three months from June 16, 1964, $900 (3-17-64).

MUNSINGER, HARRY, Fellow in Psychology, three months from June 16, 1964, $900 (3-17-64).

MURRAY, EDWARD F., Eli Lilly (Research) Fellow in Microbiology, one year from January 1, 1964, $6,000 (2-3-64).

NORMAN, WESLEY P., United States Public Health Service Fellow (Trainee) in Anatomy, two-fifths time, March 30-June 6, 1964, $333 (3-10-64).

NYKIEL, FLORIAN, United States Public Health Service Fellow (Trainee) in Otalaryngology, December 1, 1963-July 1, 1964, $541.66 a month, supersedes (1-20-64).

OSOSKY, GILBERT, Fellow in History, Chicago Undergraduate Division, three months from June 16, 1964, $900 (3-17-64).

PACHMUS, TEMIRA, Fellow in Russian, three months from June 16, 1964, $900 (3-17-64).

PAPPADEMOS, JOHN N., Fellow in Physics, Chicago Undergraduate Division, three months from June 16, 1964, $900 (3-17-64).

RAY, ROBERT K., Fellow in Art, three months from June 16, 1964, $900 (3-17-64).

SANDERS, THOMAS G., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-June 15, 1964, $1,050 (3-3-64).

SAVAGE, JEROME, Fellow in Art, three months from June 16, 1964, $900 (3-17-64).

SHUGRUE, MICHAEL F., Fellow in English, three months from June 16, 1964, $900 (3-17-64).
SIMMONS, J. L., Fellow in Sociology, three months from June 16, 1964, $900 (3-17-64).
SIMON, JOHN K., Fellow in English and French, three months from June 16, 1964, $900 (3-17-64).
SLOAN, THOMAS O., Fellow in Speech, three months from June 16, 1964, $900 (3-17-64).
SMALLEY, WEBSTER, Fellow in Speech, three months from June 16, 1964, $900 (3-17-64).
STEINKAMP, STANLEY W., Fellow in Economics, three months from June 16, 1964, $900 (3-17-64).
SULLIVAN, DENIS, Fellow in Political Science, three months from June 16, 1964, $900 (3-17-64).
SWARTZ, ROBERT J., Fellow in Philosophy, three months from June 16, 1964, $900 (3-17-64).
TAYLOR, LUCILE N., Vocational Rehabilitation Administration Fellow (Trainee) in Recreation and Municipal Park Administration, February 1-June 15, 1964, $900 (3-2-64).
TESTA, DANIEL P., Fellow in Spanish, three months from June 16, 1964, $900 (3-17-64).
TEXTORIS, DANIEL, Fellow in Geology, three months from June 16, 1964, $900 (3-17-64).
TOMASSON, RICHARD F., Fellow in Sociology, three months from June 16, 1964, $900 (3-17-64).
TRAHERN, JOSEPH B., JR., Fellow in English, three months from June 16, 1964, $900 (3-17-64).
TUCKER, PATRICIA, Fellow in Mathematics, three months from June 16, 1964, $900 (3-17-64).
VETTERLING, JOHN M., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from February 1, 1964, $5,500, superseded (3-12-64).
WHITE, MRS. JOAN F., Postdoctoral Fellow (Trainee) in Entomology, one year from July 1, 1964, $6,300 (2-17-64).
WHITSEL, BARRY L., United States Public Health Service Fellow (Trainee) in Pharmacology, six months from January 1, 1964, $1,700 (12-17-63).

RESIGNATIONS, DECLINATIONS, AND TERMINATIONS
BELDEN, CARL R., Fellow in Landscape Architecture — resignation effective June 16, 1964.
BIFANO, JACQUELINE, United States Public Health Service Fellow (Trainee) in Biological Chemistry — termination effective March 21, 1964.
BUTTERWORTH, DOUGLAS, Fellow in Anthropology — resignation effective February 1, 1964.
CHAPDU, ROBERT E., Instructor in English, Summer Session of 1964 — declination effective June 15, 1964.
CRIEGEE, LUTZ, Research Assistant Professor of Physics — resignation effective March 16, 1964.
CRONBACH, LEE J., Professor of Educational Psychology, Bureau of Educational Research, College of Education; and Professor of Psychology, College of Liberal Arts and Sciences — resignation effective September 1, 1964.
DOLNEY, EDWIN L., Research Associate in Education, University High School — resignation effective March 1, 1964.
FARMER, MELVIN L., United States Public Health Service Predoctoral Fellow in Chemistry — resignation effective April 1, 1964.
FRIEDMAN, ROBERT B., United States Public Health Service Fellow (Trainee) in Biological Chemistry — termination effective March 21, 1964.
FUMENTO, ROCCO L., Assistant Professor of English, Summer Session of 1964 — declination effective June 15, 1964.
HURST, DAVID O., National Science Foundation Graduate Fellow in Chemistry — resignation effective March 16, 1964.
KATAGUE, DAVID B., Research Assistant in Psychiatry, College of Medicine—resignation effective March 8, 1964.
KUO, BENJAMIN, Associate Professor of Electrical Engineering, Summer Session of 1964—declination effective June 15, 1964.
LIN, SONG-LIN, Assistant in Pharmacy, College of Pharmacy, Summer Session of 1964—declination effective June 22, 1964.
MANWELL, CLYDE, Associate Professor of Physiology—resignation effective September 1, 1964.
MEYER, Ewy, Research Associate in Ophthalmology, College of Medicine—termination effective March 1, 1964.
MONIN, MAX, Instructor in Psychiatry, College of Medicine—termination effective November 1, 1963.
O'Connor, Dennis M., Assistant Professor of Law—resignation effective September 1, 1964.
SHANNON, DONALD T., Associate Professor of Psychology, Summer Session of 1964—declination effective June 15, 1964.
SPELLMAN, MRS. MARY, Commerce and Sociology Library Assistant—resignation effective April 1, 1964.
SWIATEK, KENNETH, United States Public Health Service Fellow (Trainee) in Biological Chemistry—termination effective February 15, 1964.
TAYLOR, HOWARD P., Part-time Medical Student Research Fellow in Pharmacology—termination effective December 31, 1963.
TUCKWOOD, MRS. Jo ANN, Library Science Librarian and Assistant Professor of Library Administration—resignation effective September 1, 1964.
VAN Dyck, Peter C., Part-time Medical Student Research Fellow in Physiology—termination effective December 31, 1963.

LEAVES OF ABSENCE

GREENBERG, MICHAEL J., Assistant Professor of Zoology—leave of absence, without pay, from March 1 through August 31, 1965, so that he may accept a National Science Foundation Senior Postdoctoral Fellowship in connection with his sabbatical leave of absence for the first semester of the academic year 1964-65.
GUNTER, GOTTHARD, Visiting Research Associate Professor of Electrical Engineering, College of Engineering—change in termination date of his leave of absence, without pay, from August 31, 1964, to July 31, 1964.
HIRSCH, JERRY, Professor of Psychology—leave of absence, with full pay, effective March 18 through May 13, 1964, on account of sickness.
KRETZMANN, NORMAN, Assistant Professor of Philosophy—leave of absence, without pay, for the academic year 1964-65, so that he may accept an offer to serve as a Visiting Associate Professor of Philosophy at Wayne State University.
SCHOUR, ISAAC, Professor and Head of the Department of Histology, and Dean of the College of Dentistry—administrative leave of absence, with full pay, for three months from September 1, 1964, so that he may participate as an educational consultant and Research Professor at a decisive stage of development of the new dental school of Hebrew University of Jerusalem.
STEINER, GILBERT Y., Professor and Director of the Institute of Government and Public Affairs—leave of absence, without pay, for nine months from September 16, 1964, so that he may serve as Visiting Professor of Political Science at the University of California at Berkeley.
WACHOWSKI, THEODOR E., Clinical Professor of Radiology, College of Medicine, and Associate Radiologist in the Research and Educational Hospitals—extension of leave of absence, without pay, from March 1 through August 31, 1964, so that he may complete his assignments as President of the American College of Radiology.

CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

GERBNER, GEORGE, Associate Professor of Journalism and of Communications—
sabbatical leave of absence for the second semester of the current academic year 1963-64, is hereby cancelled.

ASSOCIATION OF GOVERNING BOARDS OF COLLEGES AND UNIVERSITIES

President Clement informed the Board that Mrs. Watkins, as a Regional Director of the Association of Governing Boards of Colleges and Universities, has been asked to attend a meeting of the Association at the University of Nevada in May of this year.

On motion of Mr. Swain, her participation in this meeting was authorized.

FUTURE BOARD MEETINGS

President Clement made the following announcements.

The May meeting will be held in Urbana as scheduled on Wednesday, May 20, 1964. The biennial meeting of the University of Illinois Citizens Committee will be held the following day and it is hoped that as many of the Trustees as can do so will stay over for that meeting. He suggested that the Board meeting be held on Wednesday evening, beginning at 8:00 o'clock, to shorten the time between the two meetings and unless there were objections, this schedule would be followed. There being no dissent, it was so ordered.

The June meeting is scheduled for Wednesday, June 17, 1964, and President Clement stated it will be held in Urbana, according to a schedule to be arranged by the President and the Secretary in consultation with the President of the University.

The Board then considered the date of the July meeting.

On motion of Mr. Pogue, the date of this meeting was changed from July 15, the third Wednesday, to Wednesday, July 22, to be held in Urbana.

MEETING OF THE BOARD OF HIGHER EDUCATION

President Clement also announced that the University will be host to the Illinois Board of Higher Education at its May meeting on May 4 and 5. The meeting will be held at the LaSalle Hotel. Plans for the meeting include a visit to the Congress Circle site.

RECESS AND EXECUTIVE SESSION

President Clement stated that an executive session has been requested and is being ordered for consideration of recommendations relating to land acquisitions and that this meeting was to be held after luncheon.

On motion of Mr. Williamson, the Board recessed.

ADDRESSES BY MEMBERS OF THE FACULTY

During the recess and following luncheon, Director Sheldon Fordham of the Division of Physical Education and Director of Athletics, Director Victor E. Ricks of the Division of Education, and Dean Glenn Terrell of the College of Liberal Arts and Sciences, at the Chicago Undergraduate Division, addressed the Board on the state of their respective administrative units and plans for the future.

When the Board reconvened, the same members, officers of the Board, and officers of the University were present as recorded at the beginning of these minutes.

The Board considered the following reports and recommendations.
PURCHASE OF PROPERTY AT 1101 WEST CALIFORNIA AVENUE, URBANA

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the property at 1101 West California Avenue, Urbana, at a price of $51,000, the owner to retain possession until June 30, 1965.

The property is a corner lot, 65 feet on California Avenue and 151 feet on Gregory Place (9,815 square feet), and is improved with a two and one-half story and basement frame dwelling, used as a room and boarding house. It will be required as part of the site for the expansion of the Center for the Performing Arts.

Funds are available from temporary family housing reserves.

The Committee on Building and Grounds has been consulted and supports this recommendation.

I concur.

On motion of Mr. Pogue, the purchase of this property, at the price recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

PURCHASE OF PROPERTY AT 508 SOUTH GOODWIN AVENUE AND 1117 WEST ILLINOIS STREET, URBANA

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase of the contiguous properties at 1117 West Illinois Street and 508 South Goodwin Avenue, Urbana, at a total price of $95,000. The land area is irregular with a 65 foot fronting on Illinois Street and 198 foot fronting on Goodwin Avenue (13,912 square feet) and is improved with two six-unit apartment buildings. The land is required as part of the site for the Center for the Performing Arts.

The Committee on Buildings and Grounds has been consulted and concurs in this recommendation.

Funds are available in the state capital appropriations to the University from the Universities Building Fund.

I concur.

On motion of Mr. Swain, the purchase of this property, at the price recommended, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Johnston, Mr. Kerner, Mr. Page.

On motion of Mr. Swain, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President
The May meeting of the Board of Trustees of the University of Illinois was held in the Illini Union South, Urbana, Illinois, on Wednesday, May 20, 1964, beginning at 8:00 p.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Earl M. Hughes, Mr. Theodore A. Jones, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Wayne A. Johnston, Governor Otto Kerner, Mr. Ray Page, and Mr. Kenney E. Williamson were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker and Dean Glenn Terrell, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Mr. Earl W. Porter, Assistant to the President, Mr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Vernon L. Kretschmer, Director of Auxiliary Services; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.
The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**REPORT OF COMMITTEE ON GENERAL POLICY**

Supplementary Report on Amendments of Statutes, May 1, 1964

Mr. Jones, for the Committee on General Policy, presented the following report:

**Revisions of Sections 6, 38, and 39 of the University Statutes Proposed by Senate Coordinating Council**

On April 15, 1964, the Board of Trustees received and approved the Committee on General Policy's April 14, 1964, recommendations and summary report concerning revisions of Sections 6, 38, and 39 of the University of Illinois Statutes previously proposed by the University Senates and the Senate Coordinating Council. The April 14, 1964, Committee report recommended certain modifications of the statutory amendments forwarded by the Senates, and the Board's action of April 15 included the adoption of the following resolutions:

"Be It Resolved that the proposals for statutory revision as proposed by the Senate Coordinating Council and transmitted by the President on June 19, 1963, be tentatively approved, except as noted below, and

"Be It Further Resolved that the recommendations of the Committee on General Policy of the Board of Trustees of the University of Illinois in its April 14, 1964, report on 'Revision of Sections 6, 38, and 39 of the University Statutes Proposed by Senate Coordinating Council' be considered amendments to the University Statutes proposed by the Board of Trustees, and that the advice of the University Senates be sought thereon as provided in Section 65 of the University Statutes."

In line with the second of the above resolutions, arrangements are in process for transmittal of the amendments proposed by the Board of Trustees on April 15, 1964, to the University Senates for advice. Your Committee's April 14, 1964, report and recommendations, and the Appendix thereto outlining the development of the statutory revisions, will be included in the materials forwarded to the Senates, but that report was in summary form since there was not sufficient time between the April 14 meeting of the Committee with the President and Senate representatives and the April 15 meeting of the Board to prepare a more detailed statement. The Committee on General Policy believes that the further exposition in this supplementary report may be of assistance to the Senate members in developing advice to the Board of Trustees on the proposed amendments. There will be no opportunity for the Board of Trustees to consider or act upon this supplementary report prior to its next meeting on May 20, 1964, but it is being forwarded to the President at this time with the suggestion that it be included, as a Committee document only, in the materials transmitted to the Senates.

Those areas where the statutory amendments proposed by the Board of Trustees differ from those recommended by the Senate Coordinating Council are specifically noted in this supplementary report.

**Procedural Aspects**

The statutory revisions initiated by the Senates and tentatively approved by the Board of Trustees provide for the establishment of a general University committee at each campus (to be known as the "Faculty Advisory Committee"), nominated and elected by the academic staff. The stated functions of the Faculty Advisory Committee (Section 6)

"shall be to provide for the orderly voicing of suggestions for the good of the University, for affording added recourse for the consideration of grievances,
and for furnishing a channel for direct and concerted communication with administrative officers of the University, its colleges, schools, institutes, divisions, and other administrative units on matters of interest or concern to the academic staff or any member of it.”

The fact that consultation with the Faculty Advisory Committee will be available both to members of the academic staff and to administrative officers is regarded as a significant clarification of the appropriate channels for such communication. Also, it is noted that the Senate’s existing Committee on Academic Freedom will be renamed as a “Committee on Academic Freedom and Tenure.”

In a dismissal situation, the President would be required to consult with the Faculty Advisory Committee of the appropriate campus before filing charges, but the determination of whether or not proceedings are to be instituted after such consultation is left with the President. If proceedings are instituted, charges are filed with the Senate, and the appointee is privileged to request a preliminary hearing on them before the Senate Committee on Academic Freedom and Tenure. This Senate Committee will receive evidence, hear arguments, and make findings, conclusions, and recommendations. Thereafter, the case may be closed, or the President may proceed to file the charges with the Board of Trustees.

The appointee may also request a hearing before the Board, at which a member of the Senate Committee on Academic Freedom and Tenure may be in attendance and is to be given an opportunity to make a statement. The record made at this previous hearing before the Senate Committee will be submitted to the Board, additional evidence may be taken and, under Section 38 (e) (7), “the Board will give due consideration to the findings, conclusions, and recommendations of the Committee on Academic Freedom and Tenure, and the remainder of the record before said Committee . . .” The modifications proposed by the Board of Trustees on April 15, 1964, included the addition of the italicized portion of the above phrase as a technical clarification of matters appropriately considered by the Board in a dismissal proceeding. The ultimate findings of fact and the final decision as to the appointee’s dismissal or retention will be made by the Board, as is the case under the existing University Statutes. Public statements about a case under consideration are to be avoided so far as possible.

In designating the effective date of any dismissal or request for resignation, the Board is to give “due consideration to all relevant factors including, without limitation, the gravity of the appointee’s conduct in question, the services to be rendered to the University by the appointee during any intervening period, and to the time reasonably required for the adjustment of the appointee’s personal affairs.” President Henry has stated to your Committee that he views time to adjust personal affairs as one of many factors to be considered in designating the effective date of a dismissal or requested resignation, and that the character of the appointee’s conduct would also appear to be relevant to this point. The Legal Counsel has stated that under existing Illinois law state appropriations for personal services may not be used to pay salary unless services are, in fact, performed. Accordingly, the modifications in Section 35 (e) (7) proposed by the Board of Trustees at its April 15, 1964, meeting added the italicized portion of the above phrase as being a further definition of the factors to which the Board will give due consideration in designating the effective date of a dismissal or requested resignation.

In large measure, the Senate Coordinating Council’s procedural suggestions tentatively approved by the Board of Trustees on April 15, 1964, follow existing administrative practice in dismissal cases, but considerably more detail is furnished than is found in the present University Statutes. The major procedural innovations which will now be formalized are (1) the necessity of the President’s consultation with the Faculty Advisory Committee as a condition precedent to the filing of charges for dismissal, and (2) the establishment of detailed requirements of notice and procedures for the hearing before the Senate Committee on Academic Freedom and Tenure.

Consultation with the Faculty Advisory Committee will furnish an opportunity for the President to have direct communication with a formally designated faculty group before preferring charges, but he would not be prevented from also conferring with the appropriate college or department as he has done in the past.

All parties concerned would appear to be benefited by the new procedural details for the preliminary hearing before the Senate Committee on Academic Freedom and Tenure. That Committee has the opportunity to consider the ap-
pointee's answer to the charges, to receive evidence, and to hear arguments presented by each side. Under existing University Statutes, the appointee against whom charges are filed is already entitled to a hearing before this Senate Committee but the tentatively approved revisions will formalize the Committee procedures for such hearing. A new requirement is that the appointee must file an answer to the charges if he requests a hearing before the Committee.

It is noted that, by reason of the times specified for notices and hearings before the Senate Committee and the Board, a minimum of sixty-five days will elapse between the time the President files charges with the Senate and the commencement of the hearing before the Board of Trustees. This minimum contemplates consultation, hearing, consideration, and decision by the President and the Senate Committee on the first day at each stage of the proceedings. It is apparent that, in practice, such immediate disposition will not be possible, and that the interval between the filing of charges and the Board hearing will substantially exceed sixty-five days.

Substantive Matters

The amendments to the Statutes proposed by the Board of Trustees in its April 15, 1964, action contain some substantive changes in the revisions initiated in the Senate in June of 1963. The most significant of these are in the Board's proposed modifications in the Coordinating Council's Section 38 (d) definition of "due cause for dismissal" and the new Section 38 (e) (8) relating to suspensions. Additionally, the Board has proposed a substantial amendment to Section 39 (b) dealing with a faculty member's role as a citizen, which Section was not the subject of a recommendation by the Coordinating Council.

1. Due Cause for Dismissal

Existing Section 38 (d) reads as follows:

"(d) Cause for discharge shall consist of conduct seriously prejudicial to the University through deliberate infraction of law or commonly accepted standards of morality, neglect of duty, inefficiency or incompetency. The enumeration of causes for discharge shall not be deemed exclusive, and the Board of Trustees reserves the power to discharge for other causes, but it is to be distinctly understood that this power will be exercised only under exceptional circumstances and then only for conduct which is clearly prejudicial to the best interests of the University."

The Coordinating Council rewrote the definition of due cause for dismissal with considerable changes in language and emphasis. The amendments to Section 38 (d) proposed by the April 15, 1964, action of the Board of Trustees adopt the basic approach and concepts of the Council's version but would modify the Council's language slightly to read (the matter deleted from Council version shown within brackets with lines through the deletions, and matters added to Council version shown by italics):

"(d) Due cause for dismissal shall be deemed to exist only if 

[... with all due regard for the freedoms and protections provided for in Section 39 of these Statutes] 

a faculty member's conduct is found to demonstrate clearly and convincingly either that (1) he has been grossly neglectful of, or grossly inefficient in, the performance of his University duties, or that (2) he can no longer be relied upon to perform his University duties and functions, or otherwise to conduct himself, in a manner consonant with professional standards of conduct, competence, and responsibility."

The phrase "with all due regard for the freedoms and protections provided in Section 39 of these Statutes" has been eliminated to avoid possible confusion in interpretation between Section 38 (d), in which the causes for dismissal are defined, and Section 39, in which is stated the University's policy to encourage, promote, and maintain academic freedom within the limits therein set forth. A reference to "freedoms and protections provided for in Section 39" would necessitate a similar reference to the "responsibilities" required by that Section. It is clear that certain responsibilities set forth in Section 39 are of a nature that violation of them will result in dismissal. For example, Section 39 (c), in which no change has been recommended, must be interpreted as meaning that to advocate the overthrow of our constitutional form of government by force or violence is unprofessional conduct, per se, and that one indulging in such advocacy will be dismissed.
On the other hand, other parts of Section 39, particularly Section 39 (b) dealing with the role of a faculty member as a citizen, invite debate as to whether they are admonitory in nature or postulate standards for dismissal for cause. Since the new Section 38 (d) orients due cause for dismissal to the question of the faculty member's professional competence or responsibility, it is felt that a specific cross-reference in it to Section 39 might tend to confuse, rather than to clarify, and that clarification should occur as an amendment to Section 39 (b) as discussed below. Accordingly, the Committee on General Policy's recommendation to delete the phrase in question was prompted by its conviction that freedoms, protections, responsibilities, and obligations delineated in Section 39 will always be given "due regard" when the conduct of a faculty member is in question, and that a reference to them in Section 38 (d) would serve no constructive purpose.

The language added to the Council's version of Section 38 (d) by the Board of Trustees' action on April 15, 1964, was designed to clarify that conduct clearly demonstrating professional incompetence or irresponsibility may constitute cause for dismissal, whether it occurs in the classroom, laboratory, or elsewhere. It was felt that without the addition of the words "or otherwise to conduct himself" and "conduct," as proposed by the Board's April 15, 1964, action, the paragraph might be interpreted to mean that dismissal proceedings could be initiated only for classroom or laboratory deficiencies that directly relate to the individual's ability to perform within the classroom or research context. As modified, there should be no uncertainty that, consistent with previous statements by the Board of Trustees, extramural activities of a teacher may be of such a nature and of such seriousness as to demonstrate his professional unfitness.

Your Committee views Section 38 (d) as recommended by the Board to be an affirmation of the fact that one who is professionally competent and responsible can rely on security of employment at the University of Illinois, and that the central issue in any dismissal proceeding will remain such professional competence and responsibility, rather than the effect of particular conduct upon the public image of the University.

2. Amendments to Section 39 (b)

As noted above, the action of the Board of Trustees on April 15, 1964, proposed a modification of Section 39 (b), with respect to which no recommendation had been made by the Senate or the Senate Coordinating Council.

Section 39 (b) in the existing Statutes reads:

"(b) In his role as citizen, the faculty member has the same freedoms as other citizens, without institutional censorship or discipline, although he should be mindful that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning."

Extended discussions have occurred regarding the nature of the matters a faculty member is to be "mindful" of under existing Section 39 (b). By some they are regarded as ideals of scholarly conduct and expression which 39 (b) admonish a faculty member to strive to achieve. By others they are viewed as standards of professional conduct and expression which the faculty member must observe under pain of University discipline. Contributing to the uncertainty is the fact that, while the old section 39 (b) refers to "institutional censorship or discipline," the University Statutes do not provide for any censorship or discipline other than dismissal for cause.

It was the view of your Committee, confirmed by the Board's action on April 15, 1964, that clarification of Section 39 (b) was in the best interest of the University and its faculty. Accordingly, the following is the text of Section 39 (b) now being transmitted to the Senators for advice:

"(b) In his role as a citizen, the faculty member at the University has the same freedoms as other citizens, but his special position as a member of a learned profession associated with an educational institution carries with it a special obligation to recognize that the public may judge his profession and the University by his conduct or his utterances. When he speaks or writes, a faculty member should be mindful of the admonitions that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning. If a faculty member fails to heed these admonitions on an occasion when he is exercising his freedom of speech as a citizen, such failure shall not, of itself, constitute due cause for dismissal but, after consultation with the
Faculty Advisory Committee, the President may take official cognizance of such failure."

It will be observed that the Section has been recast to note the faculty member's institutional identification in the eyes of the public, and to clarify that, when a faculty member is exercising his freedom of speech as a citizen, the provisions relating accuracy, forthrightness, and dignity are admonitory.

As rewritten, Section 39 (b) is believed to provide further definition and assurances of the freedoms enjoyed by a faculty member in his role as a citizen, but it also authorizes the President to take "official cognizance" of such exercises of these freedoms as markedly fail to meet acceptable standards of accuracy, forthrightness, and dignity. For example, the President—after consultation with the Faculty Advisory Committee—might publicly deplore inaccurate, intemperate, undignified, or irresponsible utterances of a faculty member, and emphasize that such views were not to be attributed to the University of Illinois.

The reference to freedom from "institutional censorship or discipline" has been eliminated and has been replaced by an assurance that failure to heed the stated admonitions will not, of itself, constitute due cause for dismissal—the only discipline defined in the remainder of the Statutes. It would be the interpretation of your Committee, however, that persistent and willful failures to observe these admonitions might become a pattern of conduct deemed to violate professional standards to an extent that would indicate the initiation of proceedings for dismissal for due cause under the new Section 38 (d).

3. Suspension Pending Dismissal

The new Section 38 (e) (8) in the proposals received from the Senate Coordinating Council sets forth conditions for the suspension of an appointee in connection with contemplated or actual filing of charges for dismissal. The Council version included a statement that an appointee might be suspended "only . . . with pay." President Henry has supported this provision before your Committee, urging strongly that a faculty member's salary be continued until the Board's final disposition of a dismissal proceeding, if possible, even if suspension during the intervening period is considered necessary and justified because of special circumstances. He has stated that, in his judgment, the amount of dollars paid during any suspension period would be relatively insignificant when weighed against the undesirability of requiring a faculty member to prepare his defense against unresolved charges during a time in which he is not receiving his salary. President Henry has further cautioned that, when a suspension without pay is involved, the basic issue of professional responsibility tends to become confused with the lesser issue of compensation.

The Legal Counsel advises, however, that the Illinois constitutional prohibitions against payment of extra compensation and gifts of public funds, the statutory limitations on appropriations for personal services, and the various enactments concerning the suspension of other state employees (either as a disciplinary measure or while dismissal proceedings are pending), all demonstrate the public policy and law of this state to be that suspensions of state employees should be without pay, and that state appropriations for personal services may not be expended as salaries to individuals, including faculty members, who do not have employment status or who do not perform services. In expressing his opinion that, in the absence of permissive legislation, suspensions of state employees with pay would probably not be upheld by the Illinois courts, the Legal Counsel has stated there appear to be no reported Illinois cases squarely deciding the point. President Henry has suggested that, under these circumstances, it may be advisable for the University Statutes to deal with the subject of suspensions pending dismissal without specifying whether such suspensions are to be with or without pay, thereby providing flexibility of application if future court decisions or legislation provide clarification of the legal question. The Board's April 15, 1964, action, therefore, deletes the words "with pay" from the Council's version of Section 38 (e) (8).

Also, under the Coordinating Council's version of Section 38 (e) (8), suspension was authorized "only under exceptional circumstances." Any instance in which a suspension is being considered can be said to be an "exceptional circumstance" and, since a subjective judgment by the President would be involved in any event, the Board of Trustees' amendments proposed at the April 15, 1964,
meeting substitute, for the "exceptional circumstances" phrase, a provision which would permit suspension "by the President only when he considers such suspension clearly necessary and justified."

It is observed that suspension will not be automatically applied when dismissal charges are being considered or filed and that, in an appropriate case, the President might reassign a faculty member's duties rather than invoke a suspension, on the same theory that permits the Board to take into account the nature of an appointee's intervening services in determining the effective date of a dismissal.

In your Committee's conferences with members of the administrative staff and Senate representatives, there occurred discussions concerning the position of a faculty member who might be suspended without pay and thereafter be exonerated at the hearing on his dismissal charges. The Legal Counsel has pointed out that in those cases where the courts have determined that a suspension has been improperly invoked, it has been held that the suspended employee may recover his unpaid salary for the period he was improperly suspended. Accordingly, the Board has added a new subparagraph (4) to the Council's version of Section 38 (e) (8) under which provision is made for the restoration of salary to a faculty member who might be prevented from performing his duties by reason of a suspension which does not result in a dismissal. Your Committee is not aware of any instance in the history of the University wherein a faculty employee has been deprived of his compensation during a period while dismissal charges against him were unresolved but, even if this should occur in a future case, the amendment to Section 38 (e) proposed by the Board of Trustees would permit the appointee to recover any suspended salary if there is a subsequent determination that due cause for his dismissal did not exist.

In the Coordinating Council's version of Section 38 (e) (8) there was also a technical inconsistency between the time that the President must file charges under Section 38 (e) (1) after consultation with the Faculty Advisory Committee (thirty days) and the time that his suspension order will terminate after consultation with that Committee unless charges are filed (twenty days). To eliminate this inconsistency, and upon the Legal Counsel's advice as to the legality of suspensions with pay pending hearing or discharge, the action of the Board of Trustees on April 15, 1964, proposed that Section 38 (e) (8) of the Coordinating Council's version be altered to read as follows (the matter deleted from Council version shown within brackets with lines through the deletions, and matters added to Council version shown by italics):

"(8) Suspension. An appointee may be suspended [only under exceptional circumstances and with pay] by the President only when he considers such suspension clearly necessary and justified, subject to the following provisions: a) the President may suspend before the filing of any charges only after giving notice to the chairman or, in the absence of the chairman from the University, to some member of the Faculty Advisory Committee that he believes that cause for dismissal may exist; b) if the President suspends after so giving notice to the chairman or some member of the Faculty Advisory Committee, or during consultation with the Faculty Advisory Committee, such suspension shall terminate within [twenty] thirty days after that Committee has made its recommendations to the President unless the President initiates dismissal proceedings by the filing of charges for dismissal within that [twenty] thirty-day period; [and] c) if the President initiates dismissal proceedings by filing charges for dismissal, he may suspend the appointee, or may extend a previous suspension of the appointee, until the termination of those proceedings, or until the effective date of dismissal if the proceedings result in dismissal; and d) if dismissal proceedings are not filed against a faculty member who has been suspended or, if filed, do not result in a dismissal, the faculty member shall be entitled to receive the full amount of his agreed compensation as though no suspension had occurred."

Summary

The Committee on General Policy wishes to express its appreciation for the considerable effort and conscientious attention directed to the proposed revisions of Sections 6, 38, and 39 of the University Statutes by each of the Senates, their respective Committees on Academic Freedom, the Senate Coordinating Council, and the President and other members of the administrative staff. All have con-
tributed materially to the development of what your Committee views as a major improvement in the formal expression of standards and procedures in the fortunately rare situation where there may appear to be due cause for dismissal of a faculty member, or where a faculty member may have so far departed from the canons of accuracy, forthrightness, and dignity as to justify the taking of official cognizance thereof by the President.

The Trustees are acutely aware of their position of public trust and their obligation to discharge faithfully their duty to maintain the University’s position of leadership in the field of higher education. They have in the past and will continue in the future to support responsible exercise of academic freedom by the faculty, and duly recognize its importance as a factor in achieving and maintaining the status the University now enjoys. It does the public no service if responsible thought and inquiry are stultified or suppressed at a university by a possibility that expressions of an unpopular position may result in an arbitrary or capricious dismissal, and the proposed Statutes are further guarantees that such will not occur at the University of Illinois. At the same time, in the view of your Committee the Statutes as proposed will also afford the University adequate protection against unprofessional conduct.

During your Committee’s deliberations there were discussions of the fact that the University Statutes do not refer to any form of “institutional discipline” in relation to the academic staff other than dismissal for due cause as defined in Section 38 (d) [the official cognizance authorized in proposed Section 39 (b) is not considered to be a form of discipline]. It was observed that the omission of reference to lesser degrees of discipline might be misinterpreted as meaning that the Trustees were not concerned about negligence, inefficiency, or irresponsibility in lesser degrees than those deemed to be due cause for dismissal under Section 38 (d). Such is not the case, but since these matters were not dealt with in the Coordinating Council’s proposals, and since complete involvement of the Senates in discussions on these points would be essential, your Committee concluded that any attempt to develop formal provisions concerning lesser offenses and sanctions short of dismissal would unduly delay final action on the statutory revisions already considered by the Senates. It is suggested, however, that at an appropriate time the Board or the Senates might well consider whether or not these matters should become the subject of further statutory revisions.

On motion of Mrs. Watkins, this report was adopted, without dissent.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

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<tr>
<th>Name</th>
<th>Address</th>
<th>State from Which They Obtained Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROBERT SEABORN HOLMES</td>
<td>Milwaukee, Wisconsin</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>JAMES LOUIS KATZ</td>
<td>Niles, Illinois</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>WILLIAM WILFRED WERNER</td>
<td>Downers Grove, Illinois</td>
<td>Michigan</td>
</tr>
</tbody>
</table>

I concur.

On motion of Mr. Pogue, these certificates were awarded.

APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. ARNOLD M. BARBAN, Assistant Professor of Advertising, in the College of Journalism and Communications, beginning September 1, 1964, at an annual salary of $9,000.

2. WILLIAM W. BARTLEY III, Visiting Associate Professor of Philosophy, for the 1964 Summer Session, at a salary of $2,250.
3. WILLIAM D. BIGGS, Visiting Professor of Metallurgy and of Civil Engineering, for four and one-half months from February 1, 1965, at a salary of $6,000.

4. MARVIN P. BRYANT, Associate Professor of Bacteriology, in the Department of Dairy Science, beginning September 1, 1964, at an annual salary of $14,500.

5. JACKSON J. CAMPBELL, Professor of English, beginning September 1, 1964, at an annual salary of $15,000.

6. LAURA H. CHAPMAN, Assistant Professor of Art, beginning September 1, 1964, at an annual salary of $7,500.

7. EDMOND R. COLE, Research Assistant Professor of Biochemistry, in the Department of Surgery, beginning April 1, 1964, without salary.

8. ROBERT M. CRANE, Assistant to Vice-President, Chicago Undergraduate Division, beginning September 1, 1964, at an annual salary of $14,500.

9. GEORGE O. DE TARNOWSKY, Clinical Assistant Professor of Surgery, beginning May 1, 1964, without salary.

10. GEORGE C. FENG, Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of $7,500.

11. JOHN B. HANEY, Associate Director, with rank of Associate Professor, Office of Instructional Resources, Chicago Undergraduate Division, beginning July 20, 1964, at an annual salary of $14,500.

12. BRUCE HARKNESS, Associate Dean of the College of Liberal Arts and Sciences and Professor of English, beginning June 15, 1964, at an annual salary of $18,000.

13. JAMES E. HEATH, Assistant Professor of Physiology and Biophysics, for two months from June 16, 1964, at a salary of $1,778; and beginning September 1, 1964, at an annual salary of $8,000.

14. EDWARD R. HOLLEY, JR., Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of $8,100.

15. KENNETH I. HOWARD, Clinical Assistant Professor of Psychology, in the Department of Psychiatry, College of Medicine, beginning April 1, 1964, without salary.

16. ALBERT KASPIN, Associate Professor of Slavic Languages and Literatures, beginning September 1, 1964, at an annual salary of $11,000.

17. VERNITA M. KAY, Associate Professor of Nursing, beginning September 1, 1964, at an annual salary of $10,300.

18. HOWARD F. KEEPER, Associate Professor of Architecture, Chicago Undergraduate Division, beginning September 1, 1964, at an annual salary of $11,000.

19. EBERHARD F. KRIMMEL, Research Assistant Professor of Physics, beginning September 1, 1964, at an annual salary of $9,000.

20. RALPH J. LANGJØEN, Assistant Professor of Hygiene and Staff Physician in the Health Service and McKinley Hospital, beginning July 1, 1964, at an annual salary of $15,000.

21. DAVID W. LEVINSON, Professor of Metallurgy, Department of Materials and Mechanics, College of Engineering, Chicago Undergraduate Division, beginning September 1, 1964, at an annual salary of $15,750.

22. PETER B. MAGGS, Assistant Professor of Law, beginning September 1, 1964, at an annual salary of $10,500.

23. WILLIAM H. C. MAXWELL, Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of $7,800.

24. BOLESLAW MAZUR, Associate Professor of Fixed and Partial Prosthodontics, College of Dentistry, beginning September 1, 1964, at an annual salary of $11,200.

25. N. NORBY NIELSEN, Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of $9,000.

26. HUGH O. NOURSE, Associate Professor of Economics, in the Department of Economics and in the Bureau of Economic and Business Research, beginning August 1, 1964, at an annual salary of $12,750.

27. JEFFREY O'CONNELL, Associate Professor of Law, beginning September 1, 1964, at an annual salary of $15,000.

28. GIULIANO PETERGNANI, Research Assistant Professor of Physics, beginning September 1, 1964, at an annual salary of $9,000.
29. Mary Elizabeth Reeves, Dean of Women, Medical Center, and Assistant Professor of Psychology, College of Pharmacy, beginning September 1, 1964, at an annual salary of $11,000.

30. Robert C. Retherford, Professor of Physics, beginning September 1, 1964, at an annual salary of $14,500.

31. Florence E. Sherbon, Associate Professor of Nursing, beginning September 1, 1964, at an annual salary of $15,000.

32. Peter Sueldfeld, Visiting Assistant Professor of Psychology, for one year from September 1, 1964, at a salary of $8,250.

33. George W. Summers, Associate Professor of Business Administration, beginning September 1, 1964, at an annual salary of $12,000.

34. Irving Thalberg, Assistant Professor of Philosophy, Chicago Undergraduate Division, for the second semester of 1964-65, at a salary of $4,500.

35. Myron Uretsky, Assistant Professor of Accountancy, beginning September 1, 1964, at an annual salary of $9,000.

36. Harry G. Wenzel, Jr., Assistant Professor of Civil Engineering, beginning September 1, 1964, at an annual salary of $7,800.

37. Kenneth M. Yoss, Professor of Astronomy, beginning September 1, 1964, at an annual salary of $13,000.

38. Alexandra Ionescu Tulcea, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of $10,000.

39. Cassius Ionescu Tulcea, Professor of Mathematics, beginning September 1, 1964, at an annual salary of $15,000.

40. Manfred E. Reichmann, Professor of Botany, beginning September 1, 1964, at an annual salary of $15,500.

On motion of Mr. Swain, these appointments were confirmed.

DIRECTOR OF THE PHYSICAL ENVIRONMENT UNIT

(3) The Deans of the Colleges of Engineering and of Liberal Arts and Sciences, and the Acting Dean of the Graduate College, recommend the appointment of Dr. Bruce A. Hertig as Associate Professor in the Department of Mechanical and Industrial Engineering on one-half time and in the Department of Physiology and Biophysics on one-half time, and Director of the Physical Environment Unit in the Graduate College, for one year from September 1, 1964, at a salary of $12,000 on a twelve-month service basis. The Executive Vice-President and Provost concur.

This appointment is to fill the vacancy which will be created by the retirement on September 1, 1964, of Professor M. K. Fahnestock.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

CHAIRMANSHIP OF DEPARTMENT OF ZOOLOGY

(4) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor Paul Silverman as Chairman of the Department of Zoology beginning July 1, 1964, and continuing through August 31, 1965.

This appointment is to fill the unexpired term of Professor James B. Kitzmiller, who has been serving as Chairman of the Department since 1957 and who has asked to be relieved of the administrative duties as Chairman.

The recommendation has been submitted after consultation with the members of the Department of Zoology of professorial rank, the Executive Committee of the Department, and the Director of the School of Life Sciences. The Acting Dean of the Graduate College and the Executive Vice-President and Provost also concur.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.
ACADEMIC DEPARTMENTS AT CHICAGO UNDERGRADUATE DIVISION

(5) In approving the expansion of the educational program at the Chicago Undergraduate Division, the Board authorized the establishment of six major administrative units: Colleges of Liberal Arts and Sciences, Engineering, Commerce and Business Administration (later changed to Business Administration), Fine and Applied Arts (later changed to Architecture and Art); and the Divisions of Education and Physical Education. The Board also authorized the establishment of departments within the four colleges, to be designated later. The Chicago Undergraduate Division Senate has recommended, the Vice-President for the Division and the Executive Vice-President and Provost concurring therein, the designation of the following departments:

College of Liberal Arts and Sciences: Biological Sciences, Chemistry, English, French, Geography, Geology, German, History, Mathematics, Music, Philosophy, Political Science, Psychology, Russian Languages, Sociology and Anthropology, Spanish, and Speech and Theatre.


College of Business Administration: no departmental organization, but with areas of concentration in Accounting, Economics, Finance, Management, and Marketing.

College of Architecture and Art: Architecture, Art.

Some of these departments have already been formally designated by the Board in approving appointments to headships or chairmanships but they are being reported here as a complete presentation for the record. The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval.

On motion of Mr. Pogue, this recommendation was approved.

HEADSHIP OF THE DEPARTMENT OF BIOLOGICAL SCIENCES,
CHICAGO UNDERGRADUATE DIVISION

(6) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. John O. Corliss, presently Professor of Zoology at Urbana, as Professor of Biological Sciences on indefinite tenure and Head of the Department of Biological Sciences in the College of Liberal Arts and Sciences at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of $17,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Hughes, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF GEOGRAPHY,
CHICAGO UNDERGRADUATE DIVISION

(7) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Alden D. Cutshall, presently Professor of Geography in the Division of Social Sciences, as Professor of Geography on indefinite tenure and Head of the Department of Geography at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of $15,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF GERMAN,
CHICAGO UNDERGRADUATE DIVISION

(8) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr.
Daniel C. McCluney, Jr., presently Associate Professor of German Languages and Literatures at Stanford University, as Professor of German on indefinite tenure and Head of the Department of German in the College of Liberal Arts and Sciences at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of $14,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF MUSIC, CHICAGO UNDERGRADUATE DIVISION

(9) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Edwin R. Fissinger, presently Assistant Professor of Music in the Division of Humanities, as Assistant Professor of Music and Head of the Department of Music in the College of Liberal Arts and Sciences at the Chicago Undergraduate Division for one year from September 1, 1964, at a salary of $10,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF POLITICAL SCIENCE, CHICAGO UNDERGRADUATE DIVISION

(10) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Hollis W. Barber, presently Professor of Political Science, as Professor of Political Science on indefinite tenure and Head of the Department of Political Science in the College of Liberal Arts and Sciences at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of $13,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Dilliard, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF PSYCHOLOGY, CHICAGO UNDERGRADUATE DIVISION

(11) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Isadore E. Farber, presently Professor of Psychology at the State University of Iowa, as Professor of Psychology on indefinite tenure and Head of the Department of Psychology at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of $18,000 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval.

On motion of Mr. Pogue, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF MATERIALS AND MECHANICS, CHICAGO UNDERGRADUATE DIVISION

(12) The Dean of the College of Engineering and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Ernest F. Masur, presently Professor of Engineering Mechanics at the University of Michigan, as Professor of Materials and Mechanics on indefinite tenure and Head of the Department in the College of Engineering at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of $16,000 on an academic year service basis.
This recommendation is submitted after consultation with all senior staff in the materials and mechanics area of the College and is concurred in by the Executive Vice-President and Provost and the Acting Dean of the Graduate College.

I recommend approval.

On motion of Mr. Jones, this appointment was approved.

SABBATICAL LEAVES OF ABSENCE, 1964-65

(13) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1964-65 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated. This recommendation is supplementary to the applications recommended to the Board of Trustees on March 18, 1964.

Marvin Stippes, Professor of Theoretical and Applied Mechanics, first semester, full pay.

Richard B. Selander, Associate Professor of Entomology, first semester, full pay; leave contingent upon receipt of supplementary financial aid.

On motion of Mr. Pogue, these leaves were granted, as recommended.

CENTER FOR ASIAN STUDIES

(14) The Dean and the faculty of the College of Liberal Arts and Sciences and the Executive Committee of the Division of Social Sciences recommend that there be established in the College a Center for Asian Studies to implement a program previously established for which funds have been provided in state appropriations for the current biennium (1963-65) and for further support of which the University has received a grant from the Ford Foundation covering a period of five years.

A supporting, definitive statement about the organization and functions of this Center is submitted herewith and a copy is being filed with the Secretary of the Board for record.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mr. Swain, this recommendation was approved.

ADMISSION REQUIREMENTS IN ART

(15) The Urbana-Champaign Senate has recommended the following proposal from the College of Fine and Applied Arts for a change in the requirements for admission to the curriculum in art: All students entering the University after June 1, 1965, to proceed at the junior level in any art curriculum (registered at junior level art courses) must have earned a cumulative average of at least 3.25 for all university work, based on the grading system of the University of Illinois.

This change is necessary to control enrollments in the curriculum in the Department of Art and the proposed change is directed primarily to transfer students. A program of limitations of the number of freshmen admissions is already in effect and has, in general, proved satisfactory.

The proposal was previously concurred in by the All-University Committee on Admissions and has also been approved by the Chicago Undergraduate Division Senate.

I recommend approval.

On motion of Mr. Swain, this recommendation was approved.

CURRICULUM IN MILITARY SCIENCE

(16) The Urbana-Champaign Senate recommends approval of a military science curriculum which has been set up to meet the requirements of a voluntary
Reserve Officers' Training Corps program, eliminating branch material subjects and substituting a general military science program. This revised curriculum is necessary if the voluntary program is to succeed, because, in order to interest the students, it must provide realism, challenge (both intellectually and physically), and incentive. It is important the maximum credit be offered towards satisfying the requirements for a baccalaureate degree by substitution of non-military University courses for military courses.

A complete statement of the United States Army military science curriculum and the courses to be included has been filed with the Secretary of the Board for record.

This proposal is submitted with the concurrence of the Department of the Army, an ad hoc Committee on Implementation of Voluntary Reserve Officers' Training Corps and Coordination of Related Actions, and of the Committee on Military Affairs.

I recommend approval.

On motion of Mr. Hughes, this revised curriculum was authorized.

CURRICULUM IN ORTHOPAEDIC SURGERY

(17) The Medical Center Senate recommends authorization of a curriculum in orthopaedics leading to the degree of Master of Science. This program will provided advanced training in scientific investigation and teaching for students preparing for careers in teaching and research and will provide the degree candidate with opportunities beyond those available to residents in training for specialties. The degree requirements are:

Prerequisites will include the degree of Doctor of Medicine and at least one year of internship.

The candidate must also meet the general requirements for admission to the Graduate College.

Nine units of graduate work, including a minimum of one unit in a graduate course in a related basic science discipline.

Attendance at one seminar per quarter for three quarters in one of the basic sciences, including anatomy, biological chemistry, microbiology, pathology, physiology, public health, biometrics and statistics, and pharmacology.

Attendance at Department of Orthopaedic Surgery seminar during the entire period of graduate study.

A thesis conforming to Graduate College requirements.

A supporting document from the Medical Center Senate descriptive of the program and giving the details of the courses included is being filed with the Secretary of the Board for record.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval, subject to further action by the Board of Higher Education.

On motion of Mrs. Watkins, this recommendation was approved.

CHICAGO UNDERGRADUATE DIVISION HEALTH SERVICE COURSES AND STAFF

(18) The Director of the Health Service at the Chicago Undergraduate Division has recommended that the names of the courses offered by the medical staff of the Health Service there and the professorial titles of the staff be changed from "Hygiene" to "Health Science."

With the concurrence of the Director of the Health Services and other administrative officers concerned, this change has been approved for all campuses and is reported for record.

This report was received for record.

SUMMER SPEECH CLINICS

(19) The Director of the Division of Services for Crippled Children and the Vice-President for the Medical Center recommend that the Division be author-
ized to continue speech clinics during the summer of 1964 at the following institutions of higher education in Illinois on a reimbursable cost basis:

<table>
<thead>
<tr>
<th>Institution</th>
<th>Estimated Cost</th>
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</thead>
<tbody>
<tr>
<td>Augustana College, Rock Island.</td>
<td>$11 961 00</td>
</tr>
<tr>
<td>Northern Illinois University, DeKalb.</td>
<td>14 844 00</td>
</tr>
<tr>
<td>Southern Illinois University, Carbondale.</td>
<td>10 585 00</td>
</tr>
<tr>
<td>Illinois State University, Normal.</td>
<td>13 316 33</td>
</tr>
<tr>
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<td>$50 706 33</td>
</tr>
</tbody>
</table>

A similar clinic at the University of Illinois at Urbana........... $14 361 00

Funds are available in the budget of the Division of Services for Crippled Children.
I concur.

On motion of Mr. Swain, this recommendation was approved.

CHICAGO CIRCLE

(20) The city of Chicago on April 17, 1964, adopted the following ordinance:

Be It Ordained by the City Council of the City of Chicago:

SECTION 1. The name by which the interchange between John Fitzgerald Kennedy Expressway, Dwight D. Eisenhower Expressway, and Dan Ryan Expressway shall be known as “Chicago Circle.”

SECTION 2. The Commissioner of the Department of Streets and Sanitation is authorized and directed to place the proper signs bearing the name set forth in Section 1 at said interchange.

SECTION 3. This ordinance shall take effect upon its passage.

Alderman Keane moved to Suspend the Rules Temporarily to permit immediate consideration of and action on the foregoing proposed ordinance. The motion Prevailed.

Alderman Keane moved to Pass the proposed ordinance. The motion Prevailed, by yeas and nays as follows:


Nays — None.

In view of this official change in name of the intersection of the three expressways, I recommend the Board of Trustees change the name of the new campus for the University of Illinois now under construction at Congress Circle to the “University of Illinois at Chicago Circle.”

On motion of Mr. Dilliard, this change in name was approved.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(21) The Committee on Nonrecurring Appropriations, the Executive Vice-President and Provost, and the Vice-President and Comptroller recommend the following appropriations from the University General Reserve:

Urbana-Champaign

1. College of Engineering
   Department of Civil Engineering, equipment, to match a grant from the National Science Foundation for research in analytical photogrammetry ........................................... $ 5 000

2. College of Journalism and Communications
   WILL Radio Station, equipment.............................................. 34 741

3. Physical Plant Department
   Resurfacing two tennis courts at Romine Street and University Avenue............................................. 4 980
   Resurfacing the indoor track in the Men’s Old Gymnasium Balcony........ 2 670
   Remodeling for and installation of transmitting equipment for WILL Radio Station ......................................... 13 300
4. College of Liberal Arts and Sciences:

School of Life Sciences, equipment, to match a grant from the National Science Foundation for undergraduate instruction in biology .......................................................

Department of Chemistry and Chemical Engineering, equipment, to match a grant from the National Science Foundation for undergraduate instruction ..........................................

Department of Geology, equipment, to match a grant from the National Science Foundation for undergraduate instruction ..........................................

Total .......................................................................................................................... $153,161

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

AWARD OF CONTRACTS FOR CONSTRUCTION OF COORDINATED SCIENCES LABORATORY BUILDING. PHASE II

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of Phase II of the Coordinated Science Laboratory Building, the award in each case to the lowest bidder:

General — Johnson, Drake, and Piper, Incorporated, Terre Haute, Indiana .................................................................................................................. $251,000

Base bid ............................................. $239,000

Additive alternates:
Service charge for assignment of other contracts to the general contractor ............................................. 4,100
Increasing depth of basement ...................................................... 2,200
Wood block flooring in machine shops ............................................. 1,600
Retaining wall along walk .......................................................... 1,900
Replacing and widening present brick and concrete walk .................. 2,200

Electrical — Square Deal Electrical Contracting, Inc., Urbana .................................................................................. 58,678

Base bid ............................................. $62,900

Alternate for increasing depth of basement ...................... no change

Deductive alternate for furnishing and installing fused secondary distribution section in unit substation in lieu of breakers ............................................. —4,222

Plumbing — Reliable Plumbing and Heating Company, Champaign ........................................................................ 26,740

Base bid ............................................. $26,315

Increasing depth of basement .................................................. 150
Conducting manhole at sewer connection ............................. 275

Heating and Air Conditioning — Reliable Plumbing and Heating Company, Champaign ............................................. 47,640

Base bid ............................................. $47,640

Alternate for increasing depth of basement ...................... no change

Ventilating — R. H. Bishop, Company, Champaign .................................................................................. 14,934

Base bid ............................................. $14,934

Alternate for increasing depth of basement ...................... no change

Total .......................................................................................................................... $398,992

It is recommended that a combined contract be awarded to Reliable Plumbing and Heating Company, Champaign, in the amount of $74,380, being the total of the amounts bid by that Company on the plumbing and the heating and air-conditioning work.

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract $398,992; and it is further recommended that an agreement be entered into with Johnson, Drake, and Piper, Incorporated, Terre Haute, Indiana, for the assignment of these other contracts for $4,100 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.
Funds are available from the Research Contracts Reserve.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of all bids received, copies of which are being filed with the Secretary of the Board for record.

I concur in these recommendations.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

CONTRACTS FOR CONSTRUCTION OF PARKING LOTS FOR COMMERCE AND EDUCATION BUILDINGS

(23) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $17,600, the base bid plus all alternates, to Champaign Asphalt Company, Champaign, the lowest bidder, for construction of two parking lots, with a capacity of eighty-seven cars, in vacant areas south and east of the new buildings for the College of Commerce and Business Administration and the College of Education.

Funds are available in the construction budgets for these buildings.

I concur.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

CONTRACT FOR REROOFING ALLERTON HOUSE

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $28,120, the base bid, plus an alternate for new lightning protection, to Lloyd Hitchins, an individual doing business as Hitchins Roofing Company, Urbana, the lowest bidder, for reroofing the slate areas of Allerton House.

Funds are available in the Allerton House maintenance account.

I concur.

On motion of Mr. Hughes, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

CONTRACTS FOR IMPROVEMENTS TO AGRICULTURE LIBRARY IN MUMFORD HALL

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling the Agriculture Library in Mumford Hall which will provide for expansion and other improvements, the award in each case being to the lowest bidder:

| General — C. A. Petry and Sons, Inc., Champaign | $10,065 |
| Base bid .................................................. | $8,590 |
| Additive alternates: | |
| For service charge for assignment of other contracts for supervision ................................. | 500 |
| Installation of vinyl asbestos floor covering in Rooms 127 and 128 .................................. | 975 |
| Electrical — Square Deal Electrical Contracting, Inc., Urbana ........................................ | 3,800 |
| Piping and Refrigeration — Petry Roofing and Sheet Metal Company, Champaign .................... | 4,725 |

Total .......................................................... $18,590

It is also recommended that all contracts, other than the general contract, be assigned to the contractor for general work making the total of his contract $18,590; and it is further recommended that an agreement be entered into with C. A. Petry and Sons, Inc., for the assignment of these other contracts for $500,
which amount is included in the contract price, being the amount bid by that
firm for service charge for supervision of other contracts assigned to the general
contractor.

In addition to the construction contracts, the total costs include purchase of
book shelves, and architectural and engineering fees. The Committee on Non-
recurring Appropriations recommends that the Board authorize the assignment
of $40,000 for this work from the University's General Reserve.

Submitted herewith is a report from the Physical Plant Department on this
project, including a schedule of all bids received, copies of which are being filed
with the Secretary of the Board for record.

I concur.

On motion of Mr. Hughes, these contracts were awarded, as recom-
mended, and the request for the assignment of funds was approved, by
the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr.
Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr.
Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

CONTRACT FOR PARTICLE ACCELERATOR FOR
MATERIALS RESEARCH LABORATORY

(26) The Director of the Physical Plant and the Vice-President and Comptroller
recommend purchase of a particle accelerator for the Materials Research Labo-
ramory from the High Voltage Engineering Corporation, Burlington, Massachu-
setts, the lowest bidder, at a cost of $210,815. The purchase price will include:

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic accelerator</td>
<td>$138,035</td>
</tr>
<tr>
<td>Beam spreading lens system</td>
<td>8,600</td>
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<tr>
<td>Beam switching system</td>
<td>42,000</td>
</tr>
<tr>
<td>Beam pulsing system</td>
<td>20,000</td>
</tr>
<tr>
<td>X-ray target</td>
<td>2,180</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$210,815</strong></td>
</tr>
</tbody>
</table>

Funds are available in the contract budget. Award of the contract is subject
to the approval of the Atomic Energy Commission.

I concur.

On motion of Mr. Dilliard, this contract was awarded by the follow-
ing vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones,
Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston,
Mr. Kerner, Mr. Page, Mr. Williamson.

CONTRACT FOR PATHOLOGICAL INCINERATOR IN
MEDICAL RESEARCH LABORATORY

(27) The Director of the Physical Plant and the Vice-President and Comptroller
recommend award of a contract for $12,120 to the C. O. Henriksen Company,
Chicago, the lowest bidder, for a new pathological incinerator in the Medical
Research Laboratory at the Medical Center.

The work will include removing the present pathological incinerator, which
has deteriorated from heavy usage, and replacing it with a new 300 pound/hour
incinerator with fully automatic controls.

Funds are available in the Physical Plant Department budget.

I concur.

On motion of Mr. Swain, this contract was awarded by the follow-
ing vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones,
Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston,
Mr. Kerner, Mr. Page, Mr. Williamson.

CONTRACT FOR WEATHERPROOFING ROOF DECK AT
RESEARCH AND EDUCATIONAL HOSPITALS

(28) The Director of the Physical Plant and the Vice-President and Comptroller
recommend award of a contract for $2,825 to the Consumers Roofing and Insu-
lating Company, Chicago, the lowest bidder, for roof deck weatherproofing at the
Research and Educational Hospitals.
The work will consist of weatherproofing an existing tar and gravel roof and a portion of promenade tile roof in one area to remedy leakage. Funds for this work are available from the Physical Plant Department budget. The project was advertised in the “Illinois State Register.” I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

**CONTRACT FOR LABORATORY EQUIPMENT FOR RESEARCH AND EDUCATIONAL HOSPITALS ADDITION**

(29) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $4,621.76 to the Kewaunee Manufacturing Company, Evanston, Illinois, the lowest bidder, for furnishing and setting in place laboratory equipment in Room 1212 in the Research and Educational Hospitals Addition. The work will include converting an existing office area into a research laboratory for staff and students in the Department of Pediatrics. Funds are available from Contract Research Reserve-Department. I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

**CONTRACT FOR ELECTRICAL SERVICE TO CENTRAL NATIONAL BANK BUILDING AT CHICAGO CIRCLE**

(30) The University is purchasing the Central National Bank at 728 West Roosevelt Road, on or about July 1, 1964. This building will require separate electrical service from the Commonwealth Edison Company, since it is not economical to run service from the heating plant. Commonwealth Edison will supply electricity at the bank building at 2.16KV transformed to 120/240 volts and 2.74KV transformed to 240 volts, at a monthly facilities rental service charge of $71.00 plus excess metering charges for a combined billing at a monthly rental of $46.20. The nonrecurring cost for excess facilities to supply electricity at a second point is $4,274. It is estimated that the savings effected by combined billing will amortize the excess facilities cost of $4,274 in one year's time. The Director of the Physical Plant and the Vice-President and Comptroller therefore recommend authorization of an agreement with Commonwealth Edison Company, Chicago, for the electrical service at the new Chicago Campus, and that the University pay Commonwealth Edison Company the standard excess facility charges of $4,274. Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released. I concur.

On motion of Mrs. Watkins, this agreement was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

**MAJOR STREET AND HIGHWAY PLAN FOR THE CHAMPAIGN-URBANA AREA**

(31) The Board of Trustees has approved in principle a Major Street and Highway Plan for the Champaign-Urbana area and authorized the University's participation in the planning organization required by the Federal Aid Highway Act of 1962. The Illinois Division of Highways has now requested each agency involved
in this improvement program to adopt a formal resolution authorizing participation therein.

A resolution prepared by the Division is submitted herewith. I recommend that the Board adopt the said resolution, and that the Secretary of the Board be authorized to issue certified copies of said resolution to such public agencies and other parties as may require the same, and to file a certified copy with his record of the minutes of today's meeting.

On motion of Mr. Pogue, this recommendation was approved, and the resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

EMPLOYMENT OF ENGINEERS

(32) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Sargent and Lundy, Consulting Engineers, Chicago, at a cost not to exceed $10,000, for analyzing the economics of purchase versus generation of power and steam for the University at Urbana-Champaign.

Funds are available for this study.

The Committee on Buildings and Grounds also recommends approval.

I concur.

On motion of Mr. Pogue, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

ADDITION TO CONTRACT FOR CONSTRUCTION OF EAST CHEMISTRY, FIRST ADDITION

(33) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $5,191.79 in the contract with Kuhne-Simmons Company, Inc., Champaign, for construction of the East Chemistry Building Addition to provide for the elimination of inverted syphons in the storm drainage system and provision of a gravity flow system.

Funds are available in the construction budget.

I concur.

On motion of Mr. Hughes, this change in contract was authorized.

ADDITION TO CONTRACT FOR CONSTRUCTION OF THE CHICAGO CIRCLE CAMPUS

(34) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $13,236.01 in the contract with Gust K. Newburg Construction Company, Chicago, for modifications of the closed circuit television and communications systems at Chicago Circle.

Funds are available in the construction budget.

I concur.

On motion of Mr. Swain, this change in contract was authorized.

ADDITIONS TO CONTRACTS FOR CONSTRUCTION OF CHICAGO CIRCLE UNION BUILDING

(35) The Director of the Physical Plant and the Vice-President and Comptroller recommend increases in contracts for the construction of a Student Union Building at Chicago Circle to provide for extensions of utilities services to the two adjacent Hull House Buildings:

- Power Construction, Inc., Oak Park ........................................ $ 793.04
- Frank S. Bellis, Berwyn ..................................................... 15 460.94
- Hoffman Electric Company, Chicago ...................................... 399.95

Total ............................................................................. $16,653.93

The architects for the restoration of Hull House investigated ways and means of providing the necessary services and found that the most economical would be from the Student Union, the closest source to the campus system.
The architects for the Union Building and for Hull House state that the contractors' proposed charges for the work involved are reasonable.

I concur.

On motion of Mrs. Watkins, these contract changes were authorized.

**INCREASED INTERCITY TELEPHONE FACILITIES**

(36) The University now has eight WATS (Wide Area Telephone Service) lines at Urbana and two WATS lines at Chicago serving both the Navy Pier and the Medical Center. These lines permit a call to be made to any point in the state without incurring a toll charge. Each day an average of over 800 calls from Urbana and 200 calls from Chicago are made over these ten WATS lines. However, only 25 per cent of all attempts to secure a line succeed on the first try, indicating that the number of lines are not adequate to handle the traffic demand. As a result, toll calls are being made around the WATS lines resulting in monthly toll charges of $1,400 in Urbana and $450 in Chicago.

The Telephone Company has recently made available a new service—TELPAK—which, in brief, is a sharing of channels of communication by public agencies. The state of Illinois is a heavy user of TELPAK and has unused channels which are available to the University. As a result, it is possible to install tie lines between certain points at a cost much lower than under any previous rate schedule.

The Telephone Company has analyzed the calls made over the WATS lines with particular attention to their point of termination, and it is the opinion of its staff that the University's intercity communication service would be greatly improved by eliminating three of the eight WATS lines at Urbana and installing seven tie lines between Urbana and Chicago and three tie lines between Urbana and Springfield. (While the number of calls to Springfield is not proportionately large enough to warrant three lines, the duration of these calls is three to four times that of calls to other points.)

The Telephone Company's proposal would result in the University having seventeen intercity communication paths available at one time as compared with ten at the present time. The proposal also provides for an additional tie line between Navy Pier and the Medical Center. In terms of fixed rental charges, the proposed service would not cost as much as the present WATS lines. However, calls to Chicago over the tie lines result in message unit charges of 4 1/4 cents per call. On the basis of the present number of calls to Chicago, the total cost of the proposed service would be the same, or slightly lower, than the present ten WATS lines. However, there would be a one-time installation charge of $300.

The proposal has been discussed with representatives of all campuses who recommend that the Illinois Bell Telephone Company be authorized to eliminate three of the present eight WATS lines at Urbana; and to install seven tie lines between Urbana and Chicago, three tie lines between Urbana and Springfield, and one additional tie line between Navy Pier and the Medical Center.

This proposal was submitted by the Vice-President and Comptroller.

On motion of Mrs. Watkins, this recommendation was approved. Mr. Hughes asked to be recorded as not voting.

**CITATION FOR LENOX R. LOHR**

(37) I recommend the conferring of a Trustees Citation on Major Lenox R. Lohr, President of the Museum of Science and Industry of Chicago, in recognition of his many public services, and particularly his services to the University of Illinois as Chairman for many years of the Citizens Committee, and more recently as Chairman of the Committee on the Jane Addams Memorial Fund campaign. An appropriate occasion for the conferring of the Citation would be the biennial meeting of the Citizens Committee to be held at Urbana on May 21.

On motion of Mr. Swain, this recommendation was approved. The Citation which was presented to Major Lohr on the following day is as follows:
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS

To LENOX R. LOHR

In Recognition of Distinguished Public Service

The City of Chicago, the State of Illinois, and the Nation are the beneficiaries of his talents for the popular communication of knowledge, of his intense devotion to civic improvement, and of his capacity for leadership in achieving the tasks undertaken.

Highlights of his career include distinguished service as an Army Officer in World War I and in the Corps of Engineers for several years thereafter; skilful organization and expert management of "A Century of Progress International Exposition," the Chicago World's Fair of 1933-1934; President of the National Broadcasting Company from 1935 to 1940; Director of the Chicago Civil Defense Agency, 1950 to 1953; President of the Chicago Railroad Fair, a masterly pageant of the development of our country's transportation system, 1948-1949; President of the Centennial of Engineering, 1932; Chairman of the Illinois Commission of Higher Education from 1954 to 1959, which was the precursor of current developments in planning for higher education in this State; Chairman of the Metropolitan Fair and Exposition Authority from 1955 to 1957; and a quarter of a century of concentration of talent and work in developing his central interest — The Museum of Science and Industry, a great and unique educational institution in its own right.

The Board of Trustees of the University of Illinois would add this citation to his many other honors, and would have him accept with it a grateful expression of appreciation of his special services to the University — as a member of its Citizens Committee since it was created in 1942 and as Chairman of the Committee for the past twenty years; and, more recently, as Chairman of the Jane Addams Memorial Fund campaign for the restoration and preservation of Hull House.

Given at the University of Illinois May 21, 1964.

RECOGNITION OF SERVICES OF DR. ALONZO G. GRACE, DR. JACK W. PELTASON, AND DR. FREDERICK T. WALL

(38) Three members of the faculty who have served as deans of colleges will leave the University this year. Because of their key roles in the formulation of recommendations for the Board of Trustees, it is appropriate that the record of the Board contain an expression of appreciation for effective, faithful, and important service and of good wishes for their future endeavors.

The appreciation and good wishes of the colleagues of these gentlemen go with them in their new activities and relationships, with the hope, also, that their friendship ties to the University of Illinois will remain firm.

On motion of Mr. Pogue, the following statements were adopted, to be included in the record of today's meeting; and the Secretary was authorized to prepare appropriate copies to be sent to the three members of the faculty.

DR. ALONZO G. GRACE

Professor of Education and Dean of the College of Education

Dr. Alonzo G. Grace, Dean of the College of Education since 1960, will retire September 1, 1964.

Dean Grace was Associate Dean of Education at New York University from 1952-60. He was Chairman of the Department of Education and Professor of Administration at the University of Chicago for a year before going to New York University in 1951 as Professor of Education. From 1938-48 he was Commissioner of Education and Secretary of the Board, Connecticut State Board of Education, and lecturer in the Yale University Graduate Department of Education. In 1948-50 he was in Berlin, Germany, as Director of Education and Cultural Relations, Office of Military Government, later the Office of the High Commissioner, American Zone of Occupation, and later the Republic of Western Germany.

The four years during which Dr. Grace has been Dean of the College of Education have been marked by many important changes within the College. A new building has been planned and built, departmental and committee reorganiza-
tion has been effected, curriculum revisions in a number of areas have been completed and others have been initiated, a new program of alumni relationships has been started, research activity has been greatly enlarged, and new faculty members for vacancies and new positions have been successfully recruited. Relationships with the school systems of the state, with agencies of state and national government and neighboring institutions in teaching education are cordial and professionally productive. A number of programs have come into national and international recognition.

Dr. Grace has carried out his duties as Dean faithfully, planfully, and with imagination. The work of the College and the University has been greatly enhanced and strengthened through his contributions and his general leadership. The stature of the College and its faculty, the scope of its service and the importance of that service to the state and the nation are at a new high level. This distinction belongs to many people, but the calm, sound, and experienced leadership of Dean Grace has been a central influence in the remarkable record of these four years.

DR. JACK WALTER PELTASON
Professor of Political Science and Dean of the College of Liberal Arts and Sciences

Dean Jack W. Peltason came to the University of Illinois as Assistant Professor of Political Science September 1, 1951. His previous teaching experience was at the University of Missouri, Princeton University, and Smith College.

By virtue of his scholarly work, his reputation for effective teaching and the wide regard of his colleagues for his capacity for academic leadership, Dr. Peltason was a natural choice for the Deanship when a vacancy occurred in September, 1960. Dean Peltason will leave the University this summer to become Dean of the College of Arts, Letters, and Sciences of the Irvine Campus of the University of California.

In presiding over the largest college of the University, Dr. Peltason has established new relationships with the other colleges and the other campuses of the University while working in many ways to improve and develop the academic achievement of his own unit. His interest in undergraduates is reflected in new arrangements for counseling, for communication with students, and for supervising and improving teaching in the introductory courses. He has encouraged academic excellence at every point and brought strong support to the graduate work of the departments. He has worked to build new programs, particularly in non-Western studies, and assisted in finding new resources for them. In University-wide matters, Dr. Peltason has been a thoughtful and wise adviser, with a broad view of the welfare of the institution as a whole and a deep conviction as to the central social importance of higher education.

Dr. Peltason has played an important role in advancing interinstitutional cooperation by joining with his fellow deans in developing new cooperative programs under the auspices of the Committee on Institutional Cooperation. Within the state, he served with distinction as a member of the “Master-Plan” Committee on Collegiate Programs of the Illinois Board of Higher Education.

The work of the College is broader, stronger, and more effectively organized because of Dean Peltason’s administration and the University as a whole has profited greatly from his imaginative leadership.

DR. FREDERICK THEODORE WALL
Professor of Physical Chemistry

Dr. Frederick T. Wall was appointed Dean of the Graduate College on August 1, 1955, and served until September 1, 1963, when he returned to full-time teaching and research in physical chemistry. On September 1, 1964, he will become Professor of Chemistry, University of California Santa Barbara Campus, after twenty-seven years at the University of Illinois. Dr. Wall’s earlier academic experience was at the University of Minnesota, where he also earned his baccalaureate and doctor’s degrees, and at the California Institute of Technology.

Dr. Wall’s prominence as a scientist was established before he undertook the Deanship of the College, and his continuing achievements in his field led to his election to the National Academy of Sciences in 1961. He received the Ameri-
can Chemical Society Award in Pure Chemistry in 1945 and the University of Minnesota Outstanding Achievement Award in 1959.

During Dr. Wall's administration of the Graduate College, the University's reputation for the quality and scope of its research grew nationally and internationally. His election in 1961 to the Presidency of the Association of Graduate Schools of the Association of American Universities was a recognition both of his leadership and the increased eminence of the University's graduate and research program.

The example of Dr. Wall's own scholarly work and his recognized insight into the merit of the work of others inspired confidence in his judgment in the decisions he was called upon to make as Chairman of the Research Board and in the appointments and awards for which he was primarily responsible. Hence, in executing his responsibilities, he encouraged the creative work of the faculty and enhanced their scholarly productivity. The University-wide fellowship competition and the program of faculty summer fellowships, now adopted and admitted by other universities, were instituted under Dean Wall's planning and administration.

The Center for Advanced Study was initiated under his guidance and he brought strong support to making the Digital Computer Laboratory a world-renowned center.

In all ways, Dean Wall has stood for and encouraged high standards and academic excellence through his achievements and service and he has won the admiration and respect of his colleagues both at the University of Illinois and throughout the country.

### PURCHASES

#### Purchases Authorized

(39) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in one category: purchases from Institutional Funds. This term is used here to designate funds received by the University under contracts with the United States Government, contracts with private corporations and other donors, and University revolving funds authorized by law.

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Agency for International Development—</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of laboratory equipment including two microscopes, accessories for centrifuge, pipet washer, two balances, and one dialyzer for the Veterinary College, Mhow, India</td>
<td>Agency for International Development—</td>
<td>Standard Scientific Supply Corp., New York, N.Y.</td>
<td>$ 4,763.20 f.a.s. New York</td>
<td></td>
</tr>
<tr>
<td>Universal testing machine, torsion testing machine, metal hardness tester, impact testing machine, multi-purpose block and cylinder tester, and an automatic cement tester, all complete with accessories for the U.P. Agricultural University, Pant Nagar, India</td>
<td>Agency for International Development—</td>
<td>Tinius Olsen Testing Machine Co., Willow Grove, Pa.</td>
<td>29,000.00 f.a.s. New York</td>
<td></td>
</tr>
<tr>
<td>One quartz spectrophotometer, photoelectric model, with a range of from 210 to 1000 millimicrons, and accessories consisting of absorption cells, gas filament lamps, and electronic tubes</td>
<td>Agency for International Development—</td>
<td>Beckman Instruments, Inc., Fullerton, Calif.</td>
<td>4,604.51 f.a.s. New York</td>
<td></td>
</tr>
<tr>
<td>One lot of miscellaneous welding tools to include welding and cutting outfits, two arc welders and accessories, to serve the dual purpose of teaching aids and construction tools at Njala College in Njala, Sierra Leone</td>
<td>Agency for International Development—</td>
<td>Contractors Trading &amp; Equipment Corp., New York, N.Y.</td>
<td>3,314.60 f.a.s. New York</td>
<td></td>
</tr>
<tr>
<td>One lot of miscellaneous woodworking tools to include four band saws, one planer, one jointer, one sander, one router, one grinder, and 200 sanding belts, to serve the dual purpose of teaching aids and construction tools at Njala College in Njala, Sierra Leone</td>
<td>Agency for International Development—</td>
<td>New World Research Corp., New York, N.Y.</td>
<td>5,189.30 c &amp; f Freetown, West Africa</td>
<td></td>
</tr>
</tbody>
</table>
On motion of Mr. Pogue, these purchases were approved.

**Purchases Recommended**

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University) and purchases from Institutional Funds.

**Purchases from Appropriated Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>one lot of miscellaneous tool supplies including hydraulic jacks, mechanics tools, masons tools, carpenters tools, blacksmiths tools, sheet metal worker tools, plumbers equipment, and electricians tools</td>
<td>Agency for International Development—Sierra Leone</td>
<td>New World Research Corp., New York, N.Y.</td>
<td>$8,509.56</td>
</tr>
<tr>
<td>one lot of miscellaneous machine tools to include one lathe, one milling machine, one drill press, one metal working shaper, and one power hack saw</td>
<td>Agency for International Development—Sierra Leone</td>
<td>Broedhead-Garrett Co., Cleveland, Ohio</td>
<td>$7,479.00</td>
</tr>
<tr>
<td>one oscilloscope, sampling, with timing and dual trace sampling plug-in units, 0.35 nanoseconds rise-time, one nanosecond to 100 microseconds/cm calibrated sweep speed X2 to X100 time expander, i.e., constant dots/cm (note: nanosecond equals one billionth of a second)</td>
<td>Electrical Engineering</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>$3,330.00</td>
</tr>
<tr>
<td>Remodel a stall area in the large barn at the Veterinary Research Farm on South Race Street for use as a laboratory room, remodeling work to include construction of concrete floor, interior walls, and necessary doors, windows, electrical circuits and lighting, heating, and work benches and storage shelves, to be used for research in studying transmissible diseases of swine</td>
<td>Veterinary Medicine</td>
<td>Hazen &amp; Franks Builders Supply, Inc., Tolono</td>
<td>$4,063.00</td>
</tr>
</tbody>
</table>

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>46,000 eleven-part purchase order forms, 10,000 delivery invoice-voucher forms, 8,000 receiving report forms, and 200 third-copy delivery-invoice voucher forms</td>
<td>Business Office, Medical Center</td>
<td>Allied/Exry Business Systems, Chicago</td>
<td>$2,854.98</td>
</tr>
<tr>
<td>120 greenhouse special plant carts</td>
<td>Drug and Horticultural Experiment Station</td>
<td>Jos. T. Ryerson &amp; Son, Inc., Chicago</td>
<td>$8,880.00</td>
</tr>
<tr>
<td>one lot of standard glazed stoneware jars as follows: 1,000 one-gallon capacity with holes near the bottom, 1,000 one-gallon capacity without holes, 750 three-gallon capacity with holes near the bottom, 750 three-gallon capacity without holes, 20,000 chart folders, 20,000 prenumbered master cards, and 2,000 unnumbered master cards</td>
<td>Drug and Horticultural Experiment Station</td>
<td>Bivens &amp; White Co., Oak Park</td>
<td>$5,115.00</td>
</tr>
<tr>
<td>Approximately 60,000 microfilm jackets and processing of approximately 600 rolls of microfilm for the period from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement</td>
<td>Medical Records, Chicago</td>
<td>Crown Office Supply Co., Chicago</td>
<td>$5,136.70</td>
</tr>
<tr>
<td>Approximately 3250 millicuries of radioactive isotopes to be used by the Isotope Laboratory for the period from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement</td>
<td>Research and Educational Hospitals</td>
<td>E. R. Squibb &amp; Sons, Franklin Park</td>
<td>$11,401.85</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
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</tr>
<tr>
<td>One 16 in. by 16 in. by 24 in. steam pressure instrument sterilizer</td>
<td>Research and Educational Hospitals</td>
<td>Wilmot Castle Co., Elmhurst</td>
<td>$ 3,758 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One hoist mechanism to be installed on a University truck to be used in the handling and hauling of refuse and material handling containers</td>
<td>Physical Plant, Medical Center</td>
<td>Stepp Equipment Co., Chicago</td>
<td>$ 3,966 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Statistical analyses and consultative services of health and medical factors in Illinois, the upper midwest, and the nation, as they relate to future planning in all the health professions at the University of Illinois at the Medical Center</td>
<td>Vice President’s Office, Medical Center</td>
<td>Health Information Foundation, Chicago</td>
<td>$ 4,968 f.o.b.</td>
</tr>
<tr>
<td>444 each wall hung cigarette urns and 194 floor smoker stands</td>
<td>Chicago Circle</td>
<td>Bolotin, Inc., Chicago</td>
<td>$ 9,546 f.o.b.</td>
</tr>
<tr>
<td>Four 45 cu. ft. reach-in refrigerators</td>
<td>Biology, Chicago Circle</td>
<td>Edward Don &amp; Co., Chicago</td>
<td>$ 3,456 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>One 50 kw induction furnace for Chicago Circle to replace existing arc furnace located at Navy Pier which is to be traded in</td>
<td>College of Engineering, Chicago Circle</td>
<td>Inductotherm Corp., Rancocas, N.J.</td>
<td>$ 11,092 f.o.b. delivered and set in place</td>
</tr>
<tr>
<td>Furnish and install 1,468 acoustical lockers and 62 fixed panels</td>
<td>Physical Plant, Chicago Circle</td>
<td>General Fireproofing Co., Chicago</td>
<td>$ 89,772 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Print and bind 3,000 copies of <em>Faculty Publications</em>, 1963, approximately 152 pages per copy, trim size 6 in. by 9 in.</td>
<td>Graduate College</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>$ 2,981 f.o.b. delivered</td>
</tr>
<tr>
<td>Fifty-one original photographic prints by Edward Weston</td>
<td>Kranert Art Museum</td>
<td>Cole Weston, Carmel, Calif.</td>
<td>$ 2,750 f.o.b. delivered</td>
</tr>
<tr>
<td>Wood library furniture to expand the Education Library Room in the Main Library; six tables, two card catalog cabinets (sixty trays each), eleven stools, two dictionary stands</td>
<td>Library</td>
<td>Blackwell Wielandy Co., St. Louis, Mo.</td>
<td>$ 2,983 f.o.b. delivered</td>
</tr>
<tr>
<td>One solenoid, super-conducting, for generating fields up to at least 30 kilo-gauss, 2 in. I.D., 3.5 in. O.D., active coil winding length 8 in., guaranteed uniformity of at least 2.5 per cent over the central 4 in. of coaxial length</td>
<td>Physics</td>
<td>Magnion, Inc., Burlington, Mass.</td>
<td>$ 5,150 f.o.b. delivered</td>
</tr>
<tr>
<td>Construct a rigid frame building, 30 ft. by 50 ft. by 8 ft., including concrete foundation and floor, ten box stalls with dutch doors, electrical service, water service and drains at the Veterinary Research Farm on South Race Street, to be used as an experimental animal building, replacing the existing barn on Pennsylvania Avenue which will be removed from its present site</td>
<td>Veterinary Medicine</td>
<td>Hazen &amp; Franks, Builders Supply Inc., Tolono</td>
<td>$ 5,970 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 1,500 copies <em>Italian Tragedy in the Renaissance</em>, by Marvin T. Herrick, approximately 320 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>The North American Press, Milwaukee, Wis.</td>
<td>$ 3,752 f.o.b. delivered</td>
</tr>
<tr>
<td>Print and bind 1,500 copies <em>On the Compositional Genetics of &quot;The Comedy of Errors,&quot;</em> by T. W. Baldwin, approximately 295 pages per copy, trim size 6 in. by 9 in.</td>
<td>University Press</td>
<td>Pantagraph Printing &amp; Stationery Co., Bloomington</td>
<td>$ 4,604 f.o.b. delivered</td>
</tr>
<tr>
<td>Furnish and install steel library shelving and double tier stacks in the Agriculture Library in Mumford Hall</td>
<td>Physical Plant Storeroom</td>
<td>Estey Corn., Red Bank, N. J.</td>
<td>$ 12,476 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
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<tr>
<td>Furnish and install 350 upholstered auditorium chairs with tablet arms in College of Commerce and Business Administration Building</td>
<td>Physical Plant</td>
<td>Illini Supply, Inc., Decatur</td>
<td>$ 9,600.00 delivered and installed</td>
</tr>
<tr>
<td>Twenty-four pieces of machinery equipment consisting of sabre saw kit, electric hammer, drill presses, milling machine, jointer, tool grinder, wood lathe, abrasive belt finishing machine, radial saw, abrasive disc finishing machine, band saw, arbor press, and norton screw jacks</td>
<td>Architecture and Art, Chicago Circle</td>
<td>AAA Saw &amp; Tool Service &amp; Supply Co., Chicago</td>
<td>$3,520.84</td>
</tr>
<tr>
<td></td>
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<td>Chicago Supply &amp; Tool Co., Chicago</td>
<td>497.00</td>
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<td></td>
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<td>Lee Machine Tool Co., Chicago</td>
<td>951.72</td>
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<td>(4,969.56) delivered and installed</td>
</tr>
<tr>
<td>Photographic equipment (154 items) consisting of cameras, enlargers, printers, easels, developing and fixing tanks, safe lights, special lenses, film holders, trays, dryers, mounting press, clock timers, tripods, paper cabinets, print washer, mixing faucets, carriers, slide viewers, light tables</td>
<td>Chicago Circle</td>
<td>Eastman Kodak Stores, Inc., Chicago</td>
<td>875.84</td>
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<td></td>
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<td>Helix, Chicago</td>
<td>779.80</td>
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<td>Malelo Camera Co., Chicago</td>
<td>6,341.88</td>
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<td>Norman-Willette Co., Chicago</td>
<td>428.50</td>
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<td></td>
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<td>Standard Photo Supply Co., Inc., Chicago</td>
<td>707.40</td>
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<td></td>
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<td>Westlund's Camera Shops, Chicago</td>
<td>222.54</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>(9,355.96) delivered and installed</td>
</tr>
<tr>
<td>Seventeen domestic refrigerators and three domestic freezers</td>
<td>Chicago Circle</td>
<td>Frigidaire Sales Corp., Elk Grove Village</td>
<td>3,095.88 delivered and installed</td>
</tr>
<tr>
<td>404 waste receptacles</td>
<td>Chicago Circle</td>
<td>Atco Corp., Chicago</td>
<td>6,726.60 delivered</td>
</tr>
<tr>
<td>One jeep truck, one sweepster rotary broom, and one 96 in. reversible snowplow</td>
<td>Physical Plant, Chicago Circle</td>
<td>Galassi Motor Sales, Inc., Chicago</td>
<td>3,945.00 delivered</td>
</tr>
<tr>
<td>One snowblower</td>
<td>Physical Plant, Chicago Circle</td>
<td>R. H. Lyons Equipment Co., Chicago</td>
<td>3,736.00 delivered and installed</td>
</tr>
<tr>
<td>Forty-six tri-step wash systems, nine four-step wash-wax systems, fifty-two janitor carts, four waste collectors</td>
<td>Physical Plant, Chicago Circle</td>
<td>Daniels Supply Co., Chicago</td>
<td>3,905.40</td>
</tr>
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<td>Wash systems Wash-wax systems Stearns-Imperial Co., Chicago</td>
<td>966.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Janitor carts</td>
<td>2,078.96</td>
</tr>
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<td></td>
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<td>Edward Don &amp; Co., Chicago</td>
<td>728.08</td>
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<td></td>
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<td>Waste collectors</td>
<td>76,832.01 delivered</td>
</tr>
<tr>
<td>Intravenous fluids and administration sets for use in the Research and Educational Hospitals for the period from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement</td>
<td>Pharmacy</td>
<td>Abbott Laboratories, North Chicago</td>
<td>76,832.01 delivered</td>
</tr>
<tr>
<td>One lot of laboratory supplies consisting of 1,200 vials of heparinized capillary tubes, 2,350 gross microscope slides, 30 plastic pipet jars, 576 plastic bottles, and approximately 1,050 cases of borosilicate laboratory glassware</td>
<td>Medical Center Stores</td>
<td>A. S. Aloe Co., Schiller Park</td>
<td>26,250.00 delivered</td>
</tr>
<tr>
<td>Window washing service between July 1, 1964, and June 30, 1965; for the Research and Educational Hospitals, the Neuropsychiatric Institute, and the Staff Apartment Building (Note: This purchase will be made from both Institutional Funds, $1,320.00, and Appropriated Funds, $1,296.00, for a total of $2,616.00.)</td>
<td>Physical Plant, Medical Center</td>
<td>Alex Wasleff Window Cleaning Co., Chicago</td>
<td>1,320.00 delivered</td>
</tr>
<tr>
<td>Print four hundred 4,500 copies of Fundamentals of Aviation and Space Technology, approximately 164 pages per copy, trim size 8 1/4 in. by 11 in., for use in training programs</td>
<td>Institute of Aviation</td>
<td>The Interstate Printers &amp; Publishers, Inc., Danville</td>
<td>3,105.75 delivered</td>
</tr>
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</table>
| | | | f.o.b.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>One microtome with mechanical advance, stereomicroscope, pivoting telescopic mount, collet-type holder, glass knives, and accessory box containing spare parts, for general laboratory work in the Botany Department</td>
<td>Botany</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>$ 3 444.50 f.o.b. delivered</td>
</tr>
<tr>
<td>One centrifuge, high-speed, refrigerated, without rotors and including one GSA head, for general laboratory use in biochemistry</td>
<td>Chemistry and Chemical Engineering</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>2 695.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One gas chromatograph with dual flame ionisation and thermal conductivity detector for graduate class work</td>
<td>Chemistry and Chemical Engineering</td>
<td>Micro-Tek Instruments, Inc., Baton Rouge, La.</td>
<td>3 070.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One special dry box, hermetically sealed, consisting of one each solid metal left end, fluorescent skylight, glove port covers, stand, rack and shelf assembly, and di-train, for use in handling and preparation of lithium, magnesium, beryllium, and aluminum which are pyrophoric in the presence of oxygen and water</td>
<td>Chemistry and Chemical Engineering</td>
<td>Herring Corp., Van Nuys, Calif.</td>
<td>4 842.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One spectrophotometer system, including monochromater with quartz optics, micro cell attachment with magnetic stops, and heatable cell holder with accessories</td>
<td>Chemistry and Chemical Engineering</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>5 776.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One preparative centrifuge, centrifugal forces to 198,000 x gravity, refrigerated, vacuum type with one type 30 rotor, one type SW39L rotor with radiation handle, and one type SW23.2 rotor, to be used in the analysis of phage and antibody proteins by the biochemistry division of the Department of Chemistry and Chemical Engineering</td>
<td>Chemistry and Chemical Engineering</td>
<td>Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>10 579.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One preparative centrifuge, refrigerated, vacuum type with high-capacity fixed-angle rotor, one type 30 rotor, and one radiation handle for a type 39L rotor</td>
<td>Chemistry and Chemical Engineering</td>
<td>Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.</td>
<td>9 747.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One gas chromatograph equipped with thermal conductivity cells with kovar filaments for use in graduate laboratory</td>
<td>Chemistry and Chemical Engineering</td>
<td>Micro-Tek Instruments, Inc., Baton Rouge, La.</td>
<td>2 670.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Fabricate post-tensioning components and welded assemblies for the dynamic load generator consisting of 112 bearing plates and 76 steel bars, 29 ft. 9 in. long, 1½ in. diameter</td>
<td>Civil Engineering</td>
<td>Stressteel Corp., Wilkes-Barre, Pa.</td>
<td>4 294.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Fabricate machine components, eight of each assembly, for dynamic load generator to consist of welding, machining, and chemical plating of various assemblies, material to be furnished by the vendor</td>
<td>Civil Engineering</td>
<td>Atterol Tool Corp., Chicago</td>
<td>14 400.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One lot of wood office furniture for installation in the departmental suites of the new College of Commerce and Business Administration Building, to consist of eleven desks, nine credenzas, four cabinets, two conference tables, eight swivel chairs, forty-one arm chairs, and eight side chairs without arms</td>
<td>College of Commerce and Business Administration</td>
<td>Weber, Hilmer, &amp; Johnson, Chicago</td>
<td>9 992.55 f.o.b. delivered</td>
</tr>
<tr>
<td>Eight power supplies, 0-20 volts, 2 amps at 50°C, regulation .015 per cent</td>
<td>Digital Computer Laboratory</td>
<td>LAMBDA Electronics Corp., c/o Bard Associates, Inc., La Grange</td>
<td>2 634.28 f.o.b. destination</td>
</tr>
<tr>
<td>Four power supplies, 0-40 volts, 2.1 amps at 50°C, regulation .015 per cent</td>
<td>Digital Computer Laboratory</td>
<td>Dee Electric Co., Chicago</td>
<td>5 910.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
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<tr>
<td>Two typewriters, electric, for computer input-output</td>
<td>Digital Computer Laboratory</td>
<td>International Business Machines Corp., Springfield, Il.</td>
<td>$3,483.50 f.o.b. Lexington, Ky.</td>
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<tr>
<td>Two connectors for coupling to computer system</td>
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<td>One type font, in addition to those supplied with typewriters</td>
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<tr>
<td>Calculators, full keyboard, desk type, as follows: Six automatic single entry squaring (Group A) Nine back transfer for transferring results and keyboard entries to storage dials (Group B) Two duplex storage with automatic constant multiplier (Group C) Two automatic multifactor multiplication (AxByC) with twenty-one lower dials (Group D) One memory for repetitive keyboard amounts, with recall (Group E) Two fully-automatic with dual keyboard (Group F)</td>
<td>Educational Psychology and Animal Science</td>
<td>SCM Corp., Champaign, IL; Groups A, B, and C Monroe Calculating Machine Co., Inc., Champaign, IL; Groups D and E Friden, Inc., Champaign, IL; Group F</td>
<td>15,465.00</td>
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<tr>
<td>Less trade-in allowance on four used calculators</td>
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<tr>
<td>One counter system, high-speed, analog-digital, including operational amplifier, analog sample-and-hold circuitry, output register, and self-contained power supply</td>
<td>Electrical Engineering</td>
<td>Adcom Corp., Skokie, IL</td>
<td>3,200.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One milling machine, horizontal, universal, high-speed, high-precision, with collets, chucks, and other accessories, to be used by the Department of Electrical Engineering for microwave component research</td>
<td>Electrical Engineering</td>
<td>Hardinge Brothers, Inc., Chicago, IL</td>
<td>6,258.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One monochromator, special model, with linear wave length gratings of modular design</td>
<td>Electrical Engineering</td>
<td>The Perkin-Elmer Corp., Norwalk, CT</td>
<td>9,602.50 f.o.b. delivered</td>
</tr>
<tr>
<td>One klystron tube, millimeter wave type, mechanically tunable from 66 to 76 Gc, power out 100 mw minimum from 66 to 76 Gc, 200 mw minimum at 71 Gc</td>
<td>Electrical Engineering</td>
<td>Butler Roberts Associates, Inc., Ft. Lauderdale, FL</td>
<td>2,650.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One accessory equipment to augment and expand the configuration of the G-30A computer system located in the Department of Electrical Engineering, including console, line printer, card reader/punch, central processor, card printer, compiler, magnetic tape unit, paper tape unit, memory unit</td>
<td>Electrical Engineering</td>
<td>Control Data Corp., Oak Park, IL</td>
<td>106,080.00 f.o.b. Minneapolis, MN</td>
</tr>
<tr>
<td>One nuclear measurement system for the determination of moisture and density in soil, consisting of a portable scaler, a depth moisture gauge, and a combination density and moisture surface gauge</td>
<td>Forestry</td>
<td>Nuclear-Chicago Corp., Des Plaines, IL</td>
<td>6,895.99 f.o.b. delivered</td>
</tr>
<tr>
<td>500 module chassis and 1,000 side plates for use by Digital Computer Laboratory for design and construction of a high-speed computer under a federal government contract</td>
<td>Physics</td>
<td>Craftsman Sheet Metal, Inc., Franklin Park, IL</td>
<td>2,787.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One solenoid, super-conducting, rated field intensity at center 30,000 gauss, field uniformity over 2 in. axial length, one part in 104 and one power supply for above, 0-25 amp DC output</td>
<td>Physics</td>
<td>Winchester Electronic Laboratories, Winchester, MA</td>
<td>4,550.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One attenuation comparator, frequency range 5 to 310 mc/sec., complete with oscilloscope with sweep range of 10-1000 microseconds, and sweep delay of 0-100 microseconds; pulse amplitude to 900 volts, pulse width 0.5, 1.0 and 2.0 microseconds; and with provision for operation with automatic readout</td>
<td>Physics</td>
<td>MATEK, Inc., Providence, R.I.</td>
<td>6,250.00 f.o.b. Providence, R.I.</td>
</tr>
</tbody>
</table>
Twelve power supplies, transistorized
Twelve power supplies, regulated, variable voltage
Twelve oscilloscopes, wide band, 5 in. Twelve vacuum tube voltmeters
Twelve generators, sine-square wave
One oscilloscope, dual beam, calibrated sweep rate of 0.1 microsecond to 5 seconds per cm, range DC to 22 MC
One oscilloscope, high-speed, 24 kv accelerating potential, sensitivity of 25 mv to 400 v per cm
Two portable scope charts
One viewing hood
One integral induction melting unit, 50 kilowatt, with 600-volt water cooled capacitors, for instructional purposes in the Foundry Laboratory of the Department of Mechanical and Industrial Engineering
One single crystal accessory device, an attachment to an existing diffractometer for the study of crystals, consisting of a 360-degree mounting ring into which a standard goniometer head is mounted
An additional 2,000 copies of Magazines in the Twentieth Century, second edition, by Theodore Peterson, approximately 512 pages per copy, trim size 6 in. by 9 in., to be printed and bound at same time as 2,000 copies approved for purchase by the Board of Trustees February 19, 1964
Print and bind 1,000 copies of The Ecology of North America, by Victor E. Shelford, trim size 6 3/4 in. by 10 in., approximately 632 pages per copy
Print and bind 1,500 copies of Tables of Transitional Frequencies of English Phonemes, by Lee S. Hultzen et al., approximately 229 pages per copy, trim size 6 in. by 9 in. (Note: This purchase will be made from both Institutional Funds, $1,500.00, and Appropriated Funds, $1,457.00, for a total of $2,957.00.)
Print and bind 5,000 copies each:
CONSTITUTIONAL PROBLEMS UNDER LINCOLN, by James G. Randall, approximately 632 pages per copy
Viva Mexico! by Charles M. Flannan, approximately 320 pages per copy
Comic Theory in the Sixteenth Century, by Marvin T. Herrick, approximately 256 pages per copy
Mexican Government in Transition, by Robert E. Scott, approximately 352 pages per copy
Forty-two films, miscellaneous color and black and white
162 films, miscellaneous color and black and white, payment to be in three yearly installments
Ninety films, miscellaneous titles as follows: fifty-nine color, thirty-one black and white
101 films, 16 mm., miscellaneous color and black and white, payment to be in three equal yearly installments
900 dining chairs; 124 dining tables, 36 in. by 72 in.; forty-six dining tables, 48 in. round, for the dining room of the Illinois Street Residence Halls
189 chairs, wrought iron, with special slip seats, for use in the Snack Bar of the Illinois Street Residence Halls
Item: Innerspring mattresses as follows:
- 170 36 in. by 78 in.
- 100 36 in. by 80 in.
- 180 34 in. by 78 in.
- 180 box springs, 54 in. by 78 in.

To be used in the double deck beds in the Illinois Street Residence Halls, Orchard Downs Apartments, and as replacement mattresses in the Busey-Evans Residence Halls.

Fifty mobile delivery cabinets constructed of anodized aluminum and with epoxy sealed joints, size 71 1/2 in. high, 21 1/2 in. wide, and 28 in. deep (front to back), each cabinet designed to accommodate forty pans 16 in. by 28 in.

Silver plated flatware, triple plate quality, bright butler finish, with two extra deposits of silver on tips and backs of bowls and tines, in the following quantities:
- 350 dozen knives, dinner, 9 in., solid handles on stainless steel base
- 500 dozen forks, utility
- 60 dozen forks, salad
- 300 dozen teaspoons, 5 oz.
- 300 dozen spoons, bouillon

Furnish and install hardware and draperies in the Illinois Street Residence Halls as follows:
- Fifty-two pairs, Building A (men) and Building B (women) unit lounges (Group 1)
- Eleven pairs, Building B ground floor corridor windows and offices (Group 2)
- Six pairs snack bar, seminar room, and reference library (Group 3)
- Seventeen pairs recreation rooms and head resident apartments (Group 4)
- 656 pairs, student rooms, Buildings A and B (Group 5)

Furnish and install hardware and draperies in the Illinois Street Residence Halls dining room, linen casement fabric, unlined, in the following sizes:
- Twelve pair 24 ft. wide by 64 ft. long
- Three pair 12 ft. wide by 32 ft. long
- One pair 6 ft. wide by 24 ft. long

1,300 mattresses, 36 in. by 79 in., not less than 4 3/4 in. thick, core to be of latex foam, covering to be 8 oz. aca tacking, for use in the Illinois Street Residence Halls.

Bed linen items to equip the Illinois Street Residence Halls:
- 98 dozen combination mattress pad and cover (Item 1)
- 625 dozen sheets, size 63 in. by 108 in., thread count 140 (Item 2)
- 625 dozen pillow cases, 42 in. by 36 in., thread count 140 (Item 3)
- 2,500 only, blankets, size 62 1/2 in. by 90 in., 90 per cent wool, 10 per cent nylon (Item 4)

1,250 pillows, bed, 20 in. by 26 in. finished size, filled with not less than 1 pound 14 ounces new feathers, for the Illinois Street Residence Halls.

1,570 study lamps, complete with shades, for use in the student rooms in the Illinois Street Residence Halls.
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of lamps and sand urns for use in the lounge areas of the Illinois Street Residence Halls as follows: Fifty-two floor lamps 106 table lamps Four desk lamps Four sand urns</td>
<td>Housing Division</td>
<td>Housing Division</td>
<td>$ 3 352.51</td>
</tr>
<tr>
<td>Two roaster ovens, triple deck, 60 in. by 45 in. by 76½ in., each deck fitted with one intermediate removable shelf, light, and removable rack, for installation in the Illinois Street Residence Halls food service areas</td>
<td>Housing Division</td>
<td>Housing Division</td>
<td>$ 3 551.62</td>
</tr>
<tr>
<td>One mixer, food, eighty-quart capacity, with bowl splash cover, oil dropper, and the following accessories for the Illinois Street Residence Halls: Two eighty-quart stainless steel bowls Two bowl trucks Three stainless steel wire whips Six slicer and shredder plates</td>
<td>Housing Division</td>
<td>Housing Division</td>
<td>$ 2 599.60</td>
</tr>
<tr>
<td>Two food warmers, four compartments each, 22 in. by 30½ in. high, fitted with stainless steel slides, adjustable and removable, for the Illinois Street Residence Halls</td>
<td>Housing Division</td>
<td>Housing Division</td>
<td>$ 5 698.00</td>
</tr>
<tr>
<td>Approximately 125 uniforms for Army Advanced R.O.T.C. students; uniform to include: coat, trousers, cap, two shirts, belt, tie, gloves, and trench coat</td>
<td>Military Property</td>
<td>Military Property</td>
<td>$ 30 673.75</td>
</tr>
<tr>
<td>Approximately 150 uniforms for Air Force Advanced R.O.T.C. students; uniform to include: coat, trousers, cap, two shirts, belt, tie, gloves, top coat, and braud</td>
<td>Office Supply Storeroom</td>
<td>Office Supply Storeroom</td>
<td>$ 22 579.20</td>
</tr>
<tr>
<td>630 (approximately) steel library bookshelves, units, 36 in. wide by 9½ in. deep by 84 in. high, complete with closed back and finished end panels to provide for anticipated requirements for new buildings under construction on the Urbana campus and for Office Supply Storeroom stock; approximately 500 of the estimated total to be delivered in June, August, December, 1964, February and June, 1965, with the balance to be ordered for interim shipments as required</td>
<td>Office Supply Storeroom</td>
<td>Office Supply Storeroom</td>
<td>$ 11 980.80</td>
</tr>
<tr>
<td>720,000 envelopes, 28 lb. brown kraft, gummed flap, open end, clasp, various sizes</td>
<td>Office Supply Storeroom</td>
<td>Office Supply Storeroom</td>
<td>$ 10 319.40</td>
</tr>
<tr>
<td>270,000 envelopes, 20 lb. brown kraft, gummed flap, open end, catalog, various sizes</td>
<td>Office Supply Storeroom</td>
<td>Office Supply Storeroom</td>
<td>$ 22 519.20</td>
</tr>
<tr>
<td>30,000 envelopes, 28 lb. brown kraft, gummed flap, open end, coin, size 3½ in. by 5½ in.</td>
<td>Office Supply Storeroom</td>
<td>Office Supply Storeroom</td>
<td>$ 11 980.80</td>
</tr>
<tr>
<td>1,200,000 envelopes, 20 lb. grant kraft, gummed flap, various sizes</td>
<td>Office Supply Storeroom</td>
<td>Office Supply Storeroom</td>
<td>$ 10 319.40</td>
</tr>
<tr>
<td>The above is an estimated ten-month supply of envelopes</td>
<td>Office Supply Storeroom</td>
<td>Office Supply Storeroom</td>
<td>$ 11 980.80</td>
</tr>
<tr>
<td>One photo enlarger for negatives, 35 mm. to 4 in. by 5 in.</td>
<td>Photography</td>
<td>Log Etronics, Inc., Alexandria, Va.</td>
<td>$ 10 319.40</td>
</tr>
<tr>
<td>One lens, 105 mm., f 5.6</td>
<td>Photography</td>
<td>Log Etronics, Inc., Alexandria, Va.</td>
<td>$ 10 319.40</td>
</tr>
<tr>
<td>One lens, 135 mm., f 3.5</td>
<td>Photography</td>
<td>Log Etronics, Inc., Alexandria, Va.</td>
<td>$ 10 319.40</td>
</tr>
<tr>
<td>One negative carrier 2½ in. square, and one ditto 4 in. by 5 in.</td>
<td>Photography</td>
<td>Log Etronics, Inc., Alexandria, Va.</td>
<td>$ 10 319.40</td>
</tr>
<tr>
<td>Furnish and install in the new Print Shop Building one remelt furnace, two-ton crucible capacity with complete metal drainage, equipped with one under-mold, four scrap trucks, and one eight-inch skimmer</td>
<td>Print Shop</td>
<td>Graphic Arts Equipment Co., Chicago</td>
<td>$ 4 700.00</td>
</tr>
<tr>
<td>One truck, 1964 model, 9,800 lb. gross vehicle weight, with V-8 engine, fourspeed synchromesh transmission, van body 9 ft. long, 8 ft. wide, 7½ ft. high, and hydraulic tail gate lift</td>
<td>Purchasing</td>
<td>Springer Motor Sales, Rantoul</td>
<td>$ 3 349.00</td>
</tr>
</tbody>
</table>
Laboratory furniture as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four storage cabinets</td>
<td>Physical Plant</td>
<td>Metalab Equipment Co., Hicksville, N.Y.</td>
<td>$3,867.90</td>
</tr>
<tr>
<td>Nine standard sectional base units</td>
<td>Physical Plant</td>
<td>Savoy Lumber &amp; Materials Co., Savoy</td>
<td>$19,967.67</td>
</tr>
<tr>
<td>Five sink units and necessary service fixtures and valves</td>
<td>Physical Plant</td>
<td>Thompson Lumber Co., Champaign</td>
<td>$14,017.00</td>
</tr>
<tr>
<td>Eighty-four ft. (approximately) stone for bench tops and back splash trim</td>
<td>Physical Plant</td>
<td>Thompson Lumber Co., Champaign</td>
<td>$5,487.20</td>
</tr>
<tr>
<td>Two chemists desks</td>
<td>Physical Plant</td>
<td>Odman-Hecker &amp; Co., Urbana</td>
<td>$17,897.50</td>
</tr>
</tbody>
</table>

Building materials as required by Physical Plant in small quantities (approximate) during the period July 1, 1964, through June 30, 1965, as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,100 yards (approximately) ready mixed concrete for delivery to job site for use by the Physical Plant Department in various work on the Urbana campus during the period July 1, 1964, through June 30, 1965</td>
<td>Physical Plant</td>
<td>Rhodes Chevrolet, Farmer City</td>
<td>$14,506.00</td>
</tr>
<tr>
<td>179 sheets asbestos board</td>
<td>Physical Plant</td>
<td>Sullivan Chevrolet Co., Champaign</td>
<td>$3,062.02</td>
</tr>
<tr>
<td>100 sheets insulation board</td>
<td>Physical Plant</td>
<td>Courtesy Motor Sales, Inc., Chicago (Ford)</td>
<td>$2,940.00</td>
</tr>
<tr>
<td>320 sheets tempered hardboard</td>
<td>Physical Plant</td>
<td>University Ford, Champaign</td>
<td>$1,940.00</td>
</tr>
<tr>
<td>125 sheets tempered pegboard</td>
<td>Physical Plant</td>
<td>(24,347.02)</td>
<td></td>
</tr>
</tbody>
</table>

Fifteen sedans, 1964 model, four-door, V-8 engine, automatic transmission, less trade-in of 1962 model vehicles of same type, except with 6-cylinder engines

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two station wagons, 1964 model, nine-passenger, V-8 engine, automatic transmission, less trade-in of 1962 model vehicles of same type</td>
<td>Physical Plant</td>
<td>Rhodes Chevrolet, Farmer City</td>
<td>$14,506.00</td>
</tr>
<tr>
<td>One police car, 1964 model, four-door, V-8 engine, automatic transmission, power steering, power brakes, less trade-in of 1963 model vehicle of same type (communications equipment to be transferred from old to new vehicle by the University)</td>
<td>Physical Plant</td>
<td>Sullivan Chevrolet Co., Champaign</td>
<td>$3,062.02</td>
</tr>
<tr>
<td>One sedan, compact, 1964 model, six-cylinder engine, automatic transmission, less trade-in of 1962 model vehicle of same type</td>
<td>Physical Plant</td>
<td>Courtesy Motor Sales, Inc., Chicago (Ford)</td>
<td>$2,940.00</td>
</tr>
<tr>
<td>One police car, 1964 model, V-8 engine, automatic transmission, two-way radio, public address unit, and beacon flasher</td>
<td>Physical Plant</td>
<td>University Ford, Champaign</td>
<td>$1,940.00</td>
</tr>
<tr>
<td>Two utility vehicles, 1964 model, V-8 engine, automatic transmission, less trade-in of 1961 and 1962 model vehicles of the same type</td>
<td>Physical Plant</td>
<td>(24,347.02)</td>
<td></td>
</tr>
</tbody>
</table>

Twenty automobiles, 1964 models, four-door sedans, with V-8 engine, automatic transmission, and standard equipment

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twenty automobiles, 1964 models, four-door sedans, with V-8 engine, automatic transmission, and standard equipment</td>
<td>Physical Plant</td>
<td>Courtesy Motor Sales, Inc., Chicago</td>
<td>$36,980.00</td>
</tr>
</tbody>
</table>

On motion of Mr. Pogue, these purchases were authorized.
The comptroller's report of contracts executed during the period April 1 to 30, 1964.

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>AID/csd-349</td>
<td>Prepare for publication a Resources Handbook outlining problems and procedures in establishing and operating an agricultural college</td>
<td>$25,000.00</td>
<td>February 6, 1964</td>
</tr>
<tr>
<td>The Pillsbury Co.</td>
<td>Effect of water activity characteristics of flour on the performance of cake mixes</td>
<td>$5,900.00</td>
<td>March 16, 1964</td>
</tr>
<tr>
<td>Space Technology Laboratories</td>
<td>Electrical propulsion study of variations in specific charge of a glycerol type working fluid with variation in temperature, conductivity, and viscosity</td>
<td>$10,000.00</td>
<td>September 4, 1963</td>
</tr>
<tr>
<td>Special Dairy Industry Board</td>
<td>Influence of the major fatty acids in milk fat on serum cholesterol levels</td>
<td>$20,500.00</td>
<td>February 1, 1964</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Conduct demonstrations, experimental projects, and institutes in the field of education of gifted children</td>
<td>$1,150.00</td>
<td>March 13, 1964</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Conduct the gyro resonance experiment in a rocket to determine the possibility of controlling inospheric characteristics</td>
<td>$25,000.00</td>
<td>February 1, 1964</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>High-intensity charged particle sources</td>
<td>$74,834.00</td>
<td>February 1, 1964</td>
</tr>
<tr>
<td>United States Air Force</td>
<td>Research in system theory</td>
<td>$51,430.00</td>
<td>May 1, 1964</td>
</tr>
<tr>
<td>United States Army</td>
<td>Development of techniques for military applications in accordance with Confidential Technical Guidelines</td>
<td>$266,667.00</td>
<td>April 1, 1964</td>
</tr>
<tr>
<td>United States Army</td>
<td>Rental of farm machinery, ten items: $57.75 to $701.87</td>
<td>$3,479.00</td>
<td>September 3, 1963</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Nutritive value of the major nutrients of irradiated foods</td>
<td>$42,864.00</td>
<td>March 1, 1964</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Provide training to improve the qualifications of personnel engaged in counseling and guidance of students within grades 7 through 12</td>
<td>$94,245.00</td>
<td>January 2, 1964</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Implications and feasibility of the application of newer media to staff, space, and curriculum problems at a rapidly growing urban university</td>
<td>$66,863.00</td>
<td>March 30, 1964</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Identification and organization of the major topics and literatures in philosophical foundations of education</td>
<td>$104,539.00</td>
<td>July 1, 1964</td>
</tr>
<tr>
<td>United States Department of Health, Education, and Welfare</td>
<td>Investigate the chronic effects of a walking and running exercise program on lower limb circulation in middle-aged and older men</td>
<td>$5,526.00</td>
<td>March 15, 1964</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$ 1,804,962.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Leases**

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Deere Co.</td>
<td>Rental of farm machinery, ten items: $57.75 to $701.87</td>
<td>$3,479.00</td>
<td>September 3, 1963</td>
</tr>
<tr>
<td>International Business Machines Corp.</td>
<td>Rental of office machines, four items: $576.00 to $189,605.00</td>
<td>$199,387.00</td>
<td>March, 1964</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$202,866.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Contract Changes**

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMC Corp.</td>
<td>Compounds to be synthesized and/or evaluated and biological evaluation techniques</td>
<td>$37,750.00</td>
<td>April 3, 1964</td>
</tr>
</tbody>
</table>
With Whom          Purpose                          Amount to be Paid to the University  Effective Date
Moorman Manufacturing Co.  Poultry nutrition                       $ 2 600 00  April 7, 1964
Research Council on Behavior of riveted and bolted 21 000 00  January 1, 1964
Riveted and Bolted Structural Joints of the Engineering Foundation structural joints
United States Air Force Evaluation of tunnel liners 1 069 00  March 11, 1964
AF20(601)-4939
United States Air Force Information processing capability 25 000 00  February 1, 1964
AF33(657)-10659
United States Army Influence of tomato constituents on 449 00  February 18, 1964
DA19-129-QM-1709(N)
United States Atomic Energy Commission Obtaining one millimeter source of 2 613 00  February 28, 1964
AT(11-1)-392
United States Navy Pre-programmed self-instruction and self-programmed individualized education 46 579 00  March 11, 1964
Nonr-3985(04)
Total                                                       $137 060 00

Adjustments Made in 1963-64 Cost-Plus Contracts

With Whom          Purpose                           Amount  Date
George S. Grimmett Twenty-three items: $50.05 deduct  $ 2 345 00  March and
& Co. (Plastering) to $700.00  April, 1964

Summary
Amount to be paid to the University ............................................. $1 942 022 00
Amount to be paid by the University ............................................. 205 211 00

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(41) The Comptroller presented his quarterly report to the Board as of March 31, 1964.

This report was received for record, and a copy has been filed with the Secretary of the Board.

EMPLOYMENT OF AUDITORS

Mr. Swain, for the Finance Committee, presented the following:

For many years, the University has been employing certified public accounting firms for annual audits of the University of Illinois for five-year assignments. The five-year cycle worked out well. Beginning with the audit for the fiscal year ended June 30, 1958, the Board of Trustees authorized the employment of Ernst and Ernst for a three-year period. It was felt that the shorter cycle would enable broader participation of public accounting firms interested in the assignment and, without experience with such a cycle, there was no reason to believe it might not be effective. At the conclusion of the contract with Ernst and Ernst, representatives of that firm reported their experience indicated that a longer period was desirable. The size and complexity of the University records are such that the auditing firm spent excessive amounts of time in the early years of its assignment in becoming familiar with the records and their relationships.

In order to secure more experience with the three-year cycle, Lybrand, Ross Bros., and Montgomery was employed for a three-year period beginning with the audit of the year ended June 30, 1961. Its three-year assignment was completed with the audit of the year ended June 30, 1963. This firm also reported its experience indicates that the three-year cycle is too short to realize the most effective utilization of the auditing firm's services. Staff members of the Business Office also report that the three-year cycle requires excessive staff time in assisting the auditors.

The Finance Committee therefore authorized the Comptroller to determine the interest of Lybrand, Ross Bros., and Montgomery in continuing the audit for
an additional two-year period. The firm has submitted a proposal for the audit of the University and its allied organizations as follows:

(Preceding Year's Fees)

<table>
<thead>
<tr>
<th>Fund</th>
<th>1962 Fees</th>
<th>1963 Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Illinois, including all revenue bond funds</td>
<td>$24,300</td>
<td>$22,300</td>
</tr>
<tr>
<td>State Universities Retirement System</td>
<td>2,300</td>
<td>2,000</td>
</tr>
<tr>
<td>University of Illinois Alumni Association</td>
<td>650</td>
<td>600</td>
</tr>
<tr>
<td>University of Illinois Athletic Association, including the Retirement System</td>
<td>1,100</td>
<td>1,000</td>
</tr>
<tr>
<td>University of Illinois Foundation</td>
<td>1,800</td>
<td>1,500</td>
</tr>
</tbody>
</table>

The Comptroller believes the fees are reasonable in view of the increased volume of financial activities, not only in regular operations but also on construction, and the increased cost of auditing services that has occurred over the last three years.

In accordance with the usual practice, the auditing firm will submit its reports jointly to the Board of Trustees and to the office of the Auditor General. The proposal has the approval of the office of the Auditor General, in accordance with customary procedures.

The Finance Committee recommends the employment of Lybrand, Ross Bros., and Montgomery for the audit of University accounts for the fiscal year ending June 30, 1964.

On motion of Mr. Swain, this recommendation was approved.

**SALARY OR ANNUITY PROGRAM**

Mr. Swain, for the Finance Committee, presented the following:

For many years the Internal Revenue Code offered employees of certain organizations an income tax benefit if a part of their compensation was in the form of a non-forfeitable annuity contract paid for by the employer. Increased attention was paid to this provision when its implications were clarified by the enactment of the Technical Amendments Act of 1958 which modified the Internal Revenue Code.

Under the Internal Revenue Code, the amount paid by the employer for such an annuity is not considered to be taxable income to the employee in the year in which the employer makes such payment. It will represent taxable income to the employee when he receives payments from the annuity, which normally will be after retirement and at a time when his total income is smaller, resulting in a lower tax bracket.

In 1963, the General Assembly amended the Illinois statutes relating to state employees to permit an adjustment in an employee's earnings and the application of the amount of the adjustment to the purchase of an annuity contract for the employee.

Section 166(c), Chapter 127, of the Illinois Revised Statutes, as so amended, reads:

"Each employer as defined in Section 15-106 of the 'Illinois Pension Code,' approved March 18, 1963, as amended, pertaining to the State Universities Retirement System, may permit any employee covered by that System to accept a reduction in earnings or forego an increase in earnings in consideration for which the employer shall pay the amount of the adjustment in earnings to an insurance company or companies selected by the employer to be applied as a premium on an annuity contract under which the employee's rights are non-forfeitable except for failure to pay future premiums. The selection of the insurance company or companies and the purchase of the annuity contracts shall not be subject to 'An Act in relation to state purchasing and contracts,' approved July 11, 1957, as amended.

"Each employer may adopt rules to implement this Act including, but not by way of limitation, (a) the method of filing an election to accept an adjustment in earnings and revocation of the election, (b) the effective date of an election, (c) changes in the amount of the adjustment in earnings, and (d) selection of the insurance company or companies from which the annuity contracts are to be purchased."

Dr. Robert I. Mehr, Professor of Finance and a member of the Urbana-
Champaign Senate Committee on Retirement, Hospitalization, and Insurance, at the request of the University administration, studied the problem of establishing criteria for the selection and approval of insurance companies which the Board of Trustees could consider in offering to acquire annuities for staff members, and has recommended the following set of standards (a copy of his report has previously been submitted to the Finance Committee):

1. The company must have had at least $750 million of life insurance in force in Illinois as of December 31, 1962.
2. The company must have collected at least $20 million of premium in Illinois during 1962.
3. The company must have a net yield on investment in excess of the average for the industry in each of the years 1960 through 1962.
4. The company must be willing to work closely with the University in product design.

Four companies meet these standards. Prudential Insurance Company of America and Continental Assurance Company offer group contracts. The Northwestern Mutual Life Insurance Company and the Massachusetts Mutual Life Insurance Company offer individual contracts in addition to these four. Dr. Mehr recommends that the Teachers' Insurance Annuity Association also be approved for individual contracts serviced by mail. This company was organized by the Carnegie Foundation for the Advancement of Teaching, but is now a separate entity and is now self-sustaining. It operates a companion, but separate, corporation, the College Retirement Equities Fund. Eligibility for insurance and annuities in the Association is limited to employees of colleges, universities, independent schools, and other non-profit, tax-exempt educational and scientific organizations that meet the TIAA requirements. Currently, over 1,200 organizations are cooperating with TIAA, of which approximately one-half are colleges and universities. Because of its efficient operations, and designation as an insurance carrier for college faculty members, a number of University of Illinois faculty presently own TIAA contracts purchased for them by other institutions. It would be to their advantage, in some cases, to continue this relationship, rather than to start a new contract with a new company. Accordingly, Dr. Mehr recommends approval of TIAA-CREF as the fifth company authorized to do business under this arrangement.

Obviously, the University can not do business with all insurance companies. Some restriction is necessary. The smaller the number of insurance companies involved, the more effective can be the liaison between the University, the insurance company, and the staff member. Application of the standards recommended results in only five companies being approved, but it is believed that within these five companies, sufficient variation of programs is available to serve the needs of the faculty.

The Salary or Annuity program has been presented to and discussed with the Senate Committee on Retirement, Hospitalization, and Insurance on each campus and the Employees Advisory Committee to the Board of Trustees of the State Universities Retirement System.

The Finance Committee recommends the adoption of the following rules by the Board of Trustees as contemplated by the Illinois statute, and further recommends that the appropriate University officials be authorized to publicize and implement the same.

Rules Adopted by the Board of Trustees of the University of Illinois to Implement Provisions of Illinois Revised Statutes, Chapter 127, Section 166(c)

1. Any employee of the University who is a participant in the State Universities Retirement System and who desires to make an election to accept an adjustment in earnings pursuant to Section 166(c) of Chapter 127 of the Illinois Revised Statutes shall do so by executing and filing with the University a document in a form approved by the Vice-President and Comptroller and by the Legal Counsel. In the event that more than one such election is filed by an employee, the election bearing the latest date shall be deemed to supersede all previous elections, but no employee may file more than one election in any calendar year. Any such election
so filed may be revoked at any time by the employee upon filing a written revoca-
tion with the University.

2. The initial effective date for any employee's adjustment in earnings here-
under shall be July 1, 1964.

3. The following insurance companies are selected as those from which the
University may purchase the annuity contracts referred to in said Section 166(c)
of Chapter 127 of the Illinois Revised Statutes, and the amount of the adjustment
in each employee's earnings shall be paid to one or more of said companies to be
applied as a premium on an annuity contract or contracts under which such em-
ployee's rights are non-forfeitable except for failure to pay future premiums:

The Continental Assurance Company
The Massachusetts Mutual Life Insurance Company
The Northwestern Mutual Life Insurance Company
Prudential Insurance Company of America
Teachers' Insurance Annuity Association

4. These rules may be amended or supplemented by the Board of Trustees
from time to time.

On motion of Mr. Swain, these recommendations were approved,
and the proposed rules were adopted.

INVESTMENT REPORT

Report of the Finance Committee

(42) Mr. Swain, for the Finance Committee, presented the following changes in
investments of endowment funds for the month of March, 1964:

**Pool**

<table>
<thead>
<tr>
<th>Purchase</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$5,000</td>
<td>U. S. Treasury bonds 4 per cent</td>
<td>2/15/80</td>
<td>$4,925.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20/100 share</td>
<td>Eastman Kodak common stock</td>
<td></td>
<td>25.63</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Miller**

<table>
<thead>
<tr>
<th>Sale</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>200 shares</td>
<td>Abbott Laboratories common stock</td>
<td></td>
<td>$24,379.21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,000 shares</td>
<td>Tampa Electric common stock</td>
<td></td>
<td>25,007.28</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Purchase:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$50,000</td>
<td>U. S. Treasury bonds 4 per cent</td>
<td>10/15/69</td>
<td>$49,906.25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Report of the Comptroller**

The Comptroller reported the following changes in investments of current and un-
expended plant funds, over which he has authority as indicated:

**Current Funds**

Restricted Group (June 20, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$250,000</td>
<td>U. S. Treasury bills</td>
<td>3/26/64</td>
<td>$249,672.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>850,000</td>
<td>U. S. Treasury bills</td>
<td>4/30/64</td>
<td>845,992.92</td>
<td></td>
<td></td>
</tr>
<tr>
<td>700,000</td>
<td>U. S. Treasury bills</td>
<td>7/30/64</td>
<td>691,052.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>500,000</td>
<td>Commercial Credit promissory notes</td>
<td>7/30/64</td>
<td>439,057.29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>300,000</td>
<td>Household Finance promissory notes</td>
<td>9/15/64</td>
<td>293,929.17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Construction Funds**

Assembly Hall (June 23, 1959, and March 17, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$100,000</td>
<td>U. S. Treasury bills</td>
<td>7/16/64</td>
<td>$98,783.39</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Illini Union and Health Center (December 21, 1960)

<table>
<thead>
<tr>
<th>Purchase</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$160,000</td>
<td>U. S. Treasury bills</td>
<td>6/11/64</td>
<td>$158,685.87</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Illinois Street Residence Halls (October 17, 1962)

<table>
<thead>
<tr>
<th>Purchase</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$55,000</td>
<td>U. S. Treasury bills</td>
<td>6/11/64</td>
<td>$54,530.80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ADDITION TO CONTRACT FOR CONSTRUCTION OF THE ADMINISTRATION BUILDING

(43) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of $3,154.13 in the contract with Kuhne-Simmons Company, Inc., Urbana, for construction of the south addition to the Administration Building to provide for modifications in the electrical work and an increased number of lighting fixtures on the third floor, west end, of the new unit. Funds are available in the project budget.
I concur.

On motion of Mr. Pogue, this change in contract was authorized.

EMPLOYMENT OF SPECIAL COUNSEL

(44) A suit has been filed in the Circuit Court of Cook County (63 C 18217) by the Harwald Company, Inc., a manufacturer and distributor of film inspection equipment. The Company was barred from bidding on University business for one year by action of the Board of Trustees on March 20, 1963. The complaint seeks damages for injuries to the plaintiff's reputation and business alleged to have been caused, in part, by reason of the March 20, 1963, Board action, an alleged failure by some of the defendants to exercise due diligence in the pursuit of their various functions at the University, and by actions of some defendants in connection with an opinion given to the University by an engineering firm as to the quality and utility of certain film inspection machines. The named defendants include, among others, the University and three of its employees. Each of the employees has stated that he was performing his University duties on all occasions referred to in the complaint and has requested the University to provide counsel to defend his legal rights in the matter. The Legal Counsel recommends that he be authorized to take such steps as are necessary or appropriate, including the employment of special legal counsel, to defend the University and its employees in the proceedings.
I concur.

On motion of Mr. Swain, this recommendation was approved, and authority was given as requested.

FUTURE BOARD MEETINGS

President Clement announced that the next two meetings will be held in Urbana, Illinois, on June 17 and July 22, 1964. He asked if the Board desired to consider the question of a meeting in August.
It was the consensus of the Board that this decision should be deferred until a later meeting.

ASSOCIATION OF GOVERNING BOARDS

Mrs. Watkins presented a report on the meeting of the Association of Governing Boards of Universities and Colleges held at the University of Nevada on May 14 and 15, which she attended as a representative.
of the Board of Trustees and as a member of the Association's Executive Committee.

**REPORT ON ADMISSIONS TO THE UNIVERSITY OF ILLINOIS AT URBANA FOR SEPTEMBER, 1964**

President Henry and Executive Vice-President and Provost Lanier reported on the enrollment demand at Urbana, and Vice-President Parker on the enrollment demand at the Chicago Undergraduate Division.

Because of the lack of housing accommodations, faculty, and academic space, coupled with an unprecedented number of applications for admission, many qualified applicants will be denied admission to the University of Illinois at Urbana next September.

Present indications are that the Chicago Undergraduate Division can accommodate only two-thirds of the qualified applications for admission in September, 1964.

A summary of the President's report was issued as a public announcement and a copy is filed with the Secretary of the Board for record.

**SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows made by the President; appointments of fellows made by the Dean of the Graduate College; declinations, resignations, and terminations; leaves of absence; sabbatical leaves of absence; retirements.

**APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

**AMIR, AYOUB**, Research Associate in Radiology, College of Dentistry, March 16-August 31, 1964, $700 a month (4-9-64).

**ANDREWS, JAMES H.**, Research Associate in the Institute of Government and Public Affairs, two months from July 1, 1964, $775 a month (4-13-64).

**ARLT, MRS. PHYLLIS B.**, Instructor in Speech and Theatre, ½ time, two months from June 16, 1964, $782.22; this is in addition to her present appointment (4-2-64).

**BABAI, PAUL P.**, Catalog Assistant in the Library, five months from April 1, 1964, $5,700 a year, supersedes (4-1-64).

**BAUER, ANTHONY M.**, Research Assistant in City Planning and Landscape Architecture, two months from June 16, 1964, $933.34 (3-24-64).

**BHARADWAJ, RAMA KANT**, Research Assistant in Entomology, two months from June 16, 1964, $1,022.24 (4-16-64).

**BRADLEY, WAYNE E.**, Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, $7,200 (4-2-64).

**BRADY, U. EUGENE, JR.**, Research Assistant in Entomology, two months from June 16, 1964, $1,000 (4-16-64).

**CARTER, VERNAL J.**, Library Assistant in the Library, one year from September 1, 1964, $5,700 (4-14-64).

**CECE, JOSEPH D.**, Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (4-16-64).

**CHANDRAN, RAMAN SATISA**, Research Assistant in Entomology, two months from June 16, 1964, $1,022.24 (4-17-64).

**CHENG, CHIN-CHUAN**, Instructor in Linguistics, ¼ time, academic year 1964-65, $5,300 (4-9-64).

**CHIANTI, JACK L.**, Clinical Instructor in Medicine, College of Medicine, six months from March 1, 1964, without salary (4-6-64).

**CHU, SHIH-FAN**, Research Assistant in Economics, two months from June 16, 1964, $934 (4-2-64).
CHURCHWELL, CHARLES D., Bookstacks Librarian in the Library, with rank of Instructor, June 15-August 31, 1964, $625 a month, supersedes (4-17-64).

CLAYTON, GEORGE T., Adviser for preregistration for entering freshmen in Architecture, ½ time, June 16-August 4, 1964, $900; this is in addition to his appointment as Associate Professor of Architecture (3-20-64).

COHEN, GERALD, Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (3-26-64).

COWIN, JOHN W., Instructor in Chemistry, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, $1,689 for the period, supersedes previous Summer Session appointment (4-21-64).

DASSO, JEROME J., Instructor in Finance, academic year 1964-65, $9,500 (4-20-64).

DEWEY, BRUCE R., Instructor in Theoretical and Applied Mechanics (C), ½ time, academic year 1964-65, $3,000 (4-17-64).

DICKERSON, ROBERT H., Research Associate in Physics (C), one year from September 1, 1964, $8,000 (4-6-64).

ERNST, EDWARD, Associate Professor of Electrical Engineering (C), two months from June 16, 1964, $1,377.77 a month; this is in addition to his present appointment (4-20-64).

GANS, RENA, Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, $6,000 (4-2-64).

GARDNER, KARLE, Chief of Party, and Adviser to Principal at the Njala College, Sierra Leone, for service under Contract USAID/AFE 132, from February 1 through March 9, 1964, $20,073 a year, and at the Campus Office of AID Projects from March 10 through March 15, 1964, $18,250 a year; and Professor of Nutrition (Dairy Science), indefinite tenure, and Associate Dean of the College of Agriculture, March 16, 1964, through August 31, 1965, $18,250 a year, supersedes (3-26-64).

GOVINDJEE, MRS. RAJNI, Research Associate in Botany, six months from March 1, 1964, $6,500 a year (4-9-64).

HANSON, DONALD D., Associate Professor of Architecture and Chairman of the Department of Architecture, Chicago Undergraduate Division, June 16-August 31, 1964, $3,639; this is in addition to his present appointment as Associate Professor of Architecture, Urbana (4-17-64).

HIELSCHER, FRANK H., Research Assistant in Electrical Engineering (C), two months from June 16, 1964, $977.76 (4-8-64).

HOAR, VICTOR M., JR., Assistant in English, February 1-June 15, 1964, $2,100, supersedes (4-16-64).

HOLLADAY, DEE M., Associate Professor of General Engineering, Chicago Undergraduate Division, nine months from September 16, 1963, $8,800, supersedes (3-26-64).

HUITEMA, ROY, Professor of Chemistry, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, $2,800 for the period (4-21-64).

ISAACS, KENNETH S., Research Associate in Psychiatry, College of Medicine, ½ time, five months from April 1, 1964, $6,000 a year, supersedes (4-13-64).

KORLING, ALFRED C., Instructor in Botany, Summer Session of 1964, June 15-August 8, 1964, $1,334 for the period (4-4-64).

LENNER, LEON M., Research Associate in Biological Chemistry, College of Medicine, four months from May 1, 1964, $625 a month, supersedes (4-6-64).

LEVITOV, EDITH S., Research Assistant in Psychiatry, College of Medicine, four months from May 1, 1964, $583.33 a month, supersedes (4-2-64).

LEWIS, OSCAR, Professor of Anthropology, two months from June 16, 1964, $4,111.10; this is in addition to his present appointment (3-20-64).

LIEM, KAREL F., Visiting Lecturer in Zoology, Summer Session of 1964, June 15-August 8, 1964, $1,700 for the period (4-20-64).

LINDBLAD, NERO R., Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, $8,400 (4-2-64).

LINSTER, RICHARD L., Visiting Lecturer in Physics, Summer Session of 1964, June 15-August 8, 1964, $2,300 for the period (4-20-64).
LOCKE, ROBERT F., Consultant in Immunology, Medical Research Laboratory, Medical Center, Chicago, 1/10 time, March 15-August 31, 1964, $1,500; this is in addition to his appointment as Clinical Assistant Professor of Preventive Medicine, College of Medicine, without salary (4-2-64).

LOISEAUX, PIERRE R., Visiting Lecturer in Law, Summer Session of 1964, June 15-August 8, 1964, $3,000 (4-6-64).

MADDEN, JOHN J., Research Associate in Microbiology, five months from April 1, 1964, $541.67 a month, supersedes (2-26-64).

MAGRALL, ROSE M., Assistant in the Graduate School of Library Science, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (3-24-64).

MATLIN, SAMUEL, Clinical Associate in Medicine, College of Medicine, and in Oral Medicine, College of Dentistry, four months from May 1, 1964, without salary, supersedes previous nonsalaried appointment (4-16-64).

MATTHEWS, MRS. ELIZABETH W., Visiting Lecturer in the Graduate School of Library Science, Summer Session of 1964, June 15-August 8, 1964, $1,800 for the period (4-14-64).

MCGUIRE, FLORENCE F., Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, $6,000 (4-2-64).

MCNEM, JOHN D., Professor of Art, Chicago Undergraduate Division, Summer Session of 1964, 1/2 time, June 19-August 14, 1964, $1,167 for the period, supersedes previous Summer Session appointment (3-24-64).

MICHEL, THOMAS F., Registered Pharmacist in Hospital Pharmacy, College of Pharmacy, March 22-August 31, 1964, $7,200 a year (4-14-64).

MICKLESEN, LEW R., Professor and Head of the Department of Slavic Languages and Literatures, one month from August 16, 1964, $1,888.89; this is in addition to his appointment dated March 25, 1964 (3-31-64).

MILES, HENRY J., Professor of Mathematics, Summer Session of 1964, 55/100 time, June 15-August 8, 1964, $1,434 for the period, supersedes previous Summer Session appointment on 1/2 time (4-1-64).

MOUNT, MELVIN, Research Associate in Physics (C), one year from September 1, 1964, $8,000 (4-6-64).

MORIMOTO, TAKAMITSU, Research Associate in Physiology and Biophysics, one year from September 1, 1964, $6,100 (4-16-64).

MOSER, MRS. KAREN D., Research Assistant in Animal Science (S), April 6-August 31, 1964, $2,094.43 (4-10-64).

MUeller, EUGENE A., Research Associate in the State Water Survey and in the Graduate College, 1/2 time, one year from July 1, 1964, $6,300 (4-2-64).

MUeller, HENRY F., Research Associate in the State Water Survey and in the Graduate College, 1/2 time, one year from July 1, 1964, $4,625 (4-2-64).

MULLEN, JESS, Assistant (Architecture) in the Library, three months from June 1, 1964, $1,400, supersedes (4-16-64).

PHILCOX, MICHAEL E., Research Associate in Geology, one year from September 1, 1964, $6,100 (4-16-64).

PARR, ROBERT F., Research Assistant in Electrical Engineering (C), two months from June 16, 1964, $977.76 (4-14-64).

PIGGOTT, ROBERT W., Cataloger in the Library, with rank of Instructor, three months from June 1, 1964, $508.34 a month (4-20-64).

PINK, ROBERT J., Clinical Assistant in Medicine, College of Medicine, six months from March 1, 1964, without salary (4-9-64).

PITT, CARL A., Adviser for Continuing and Advanced Enrollment, Division of Education, Chicago Undergraduate Division, June 22-August 14, 1964, $2,045; this is in addition to his present appointment (4-21-64).

RADICE, CANDO, Professor of Art, Chicago Undergraduate Division, June 19-August 14, 1964, $2,400; this is in addition to his present appointment (4-21-64).

RAPUSE, ROBERT W., JR., Assistant Professor of Economics, Summer Session of 1964, June 15-August 8, 1964, $1,845 for the period, supersedes previous Summer Session appointment (4-16-64).

RAHJEJRA, KRISHAN LAL, Research Assistant in Veterinary Physiology and Pharmacology, College of Veterinary Medicine, April 16-August 31, 1964, $2,100, superseded (4-16-64).

RAMAN, ARAVAMUDHAN, Research Associate in Metallurgical Engineering (C), June 16-August 31, 1964, $583.33 a month; and one year from September 1, 1964, $7,000 (4-23-64).
RAO, M. R. RAGHAVENDRA, Visiting Scientist in Chemistry, five months from April 1, 1964, $3,750 (4-2-64).

RICHARDSON, JOHN F., Professor of Art, Chicago Undergraduate Division, Summer Session of 1964, ½ time, June 19-August 14, 1964, $1,167 for the period (3-24-64).

ROSS, HERBERT L., Instructor in Business Education, College of Commerce and Business Administration, ½ time, academic year 1964-65, $3,600 (4-20-64).

ROYSTER, RICHARD S., Assistant Professor of General Engineering, Chicago Undergraduate Division, nine months from September 16, 1963, $8,200, supersedes (3-26-64).

SANDY, LESLIE W., Associate Coordinator of School-University Articulation, Office of Admissions and Records, one year from September 1, 1964, $10,500 (4-17-64).

SCHIELD, MRS. SANDRA S., Extramural Loans Librarian in the Library, with rank of Assistant, June 15-August 31, 1964, $1,166.67 (4-10-64).

SCHWARTZ, SUSAN S., Research Assistant in the State Water Survey and in the Graduate College, one year from July 1, 1964, $6,000 (4-2-64).

SHULMAN, HAROLD S., Assistant Professor of Psychology, Summer Session of 1964, ½ time, June 15-August 8, 1964, $1,100 for the period (4-1-64).

SULLIVAN, THOMAS, Research Associate in Vocational and Technical Education, College of Education, to render service during the second semester of the academic year 1963-64, $3,100, supersedes (4-10-64).

TILLEN, ERNEST E., Research Associate in Mathematics, June 16-August 31, 1964, $2,250 (4-1-64).

TOLLE, FRANK W., JR., Research Associate in the State Water Survey and in the Graduate College, 2/10 time, one year from July 1, 1964, $3,000 (4-2-64).

TOLLE, GUSTAVO, Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (4-16-64).

WEBER, HERBERT, Assistant in Physical Education for Men, ½ time, and Research Assistant in Physical Education for Men, ½ time, April 1-June 15, 1964, $1,166.66, supersedes; and Research Assistant in Physical Education for Men, full time, two months from June 16, 1964, $933.32 (4-20-64).

WEBER, HERBERT, Assistant in Physical Education for Men, ½ time, and Research Assistant in Physical Education for Men, ½ time, April 1-June 15, 1964, $1,166.66, supersedes; and Research Assistant in Physical Education for Men, full time, two months from June 16, 1964, $933.32 (4-20-64).

WEBSTER, FRANCIS H., Research Assistant in Food Science (S), three months from June 1, 1964, $1,300.02, supersedes (3-24-64).

WHEATLEY, ROBERT C., Visiting Lecturer in Physics, Summer Session of 1964, June 15-August 8, 1964, $2,100 for the period (4-21-64).

WICKS, EUGENE C., Adviser for preregistration of entering freshmen in Art, ½ time, June 16-August 4, 1964, $600; this is in addition to his present appointment as Assistant Professor of Art (3-20-64).

WILLIAMSON, HAROLD, JR., Instructor in Economics, academic year 1964-65, $9,200 (4-20-64).

WILSON, MRS. ELEANORE, Project Assistant in the State Natural History Survey and in the Graduate College, three months from April 1, 1964, $900 (4-17-64).

WILSON, VELMA K., Adviser for preregistration of entering freshmen in Music, 17/100 time, June 16-August 4, 1964, $410; this is in addition to her present appointment (3-20-64).

WOLFF, JANET M., Clinical Assistant Professor of Preventive Medicine, College of Medicine, five months from April 1, 1964, without salary (4-1-64).

FELLOWS

(The following appointments were made by the President of the University.)

CHAPMAN, HENRY S., Edward L. Ryerson Traveling Fellow in Architecture for 1964-65.)

MOYER, FREDERIC D., Thirtieth Francis J. Plym Fellow in Architectural Engineering for 1964.


(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ALLEN, CHRISTOPHER M., Fellow in Civil Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

ANDERSON, CHARLES A., Teaching Fellow in Music, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

ANDERSON, DEAN F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,880 (4-17-64).

ANDERSON, FLOYD D., Fellow in Speech, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

ANDREW, ALAN, Fellow in Communications, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-24-64).

ARMSTRONG, ROBERT J., Hackett Fellow in Horticulture, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

AUTEN, LAWRENCE J., Knox College Fellow in History, nine months from September 16, 1964, $1,500 (4-1-64).

Baker, Leroy E., National Science Foundation Trainee I in Civil Engineering, one year from September 16, 1964, $2,400 (4-1-64).

Banister, Eric W., Fellow in Physical Education, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Barnett, Leland B., Teaching Fellow in Zoology, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Bengtson, Albert H., National Lead Company (Titanium Division) Fellow in Ceramic Engineering, nine months from September 16, 1964, $1,650 (4-1-64).

Brockstein, Allan J., Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Bromels, Edward, Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

Bromley, Roger, Fellow in English, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).
BROSS, JAMES B., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,310 (4-17-64).

BROWN, EUGENE F., Fellow in Mechanical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

BRUNETTE, CONSTANT E., Fellow in Civil Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

BUETTNER, GRACE M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $3,600 (4-17-64).

BUNGER, MELODY P., Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

BUNGER, MELODY P., Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

BUTTERWORTH, DOUGLAS S., Fellow in Anthropology, nine months from September 16, 1964, $2,400 (4-1-64).

BYARS, ROBERT S., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

CAHILL, MICHAEL E., National Aeronautics and Space Administration Fellow (Trainee) in Astronomy, one year from September 1, 1964, $2,400 (4-15-64).

CARLEY, YVONNE P., General Foods Fellow in Home Economics, nine months from September 16, 1964, $3,000 (3-23-64).

CARLIN, JAMES W., Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

CARLSON, NEIL R., National Aeronautics and Space Administration Fellow (Trainee) in Psychology, one year from September 1, 1964, $2,400 (4-20-64).

CARR, WAYNE E., General Electric Fellow in Physics, nine months from September 16, 1964, $2,500 (4-1-64).

CARTER, OWIN L., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

CASEF, DENNIS J., Fellow in Philosophy, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

CEIDE-ECHI warp, GLORIA, Fellow in Spanish, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

CHAMOT, DENNIS, Walter B. Brown Teaching Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-1-64).

CHARTOFF, JOE, Fellow in Accountancy, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $500 (4-1-64).

CHENNEY, JOSEPH M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,740 (4-17-64).

CHUA, LEON O., Fellow in Electrical Engineering, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

CLEM, JOHN R., United States Steel Foundation Fellow in Physics, nine months from September 16, 1964, $2,100 (4-1-64).

CLENDENEN, R. L., Fellow in Chemical Engineering, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

COLLINS, ARNETTA R., Fellow in Social Work, nine months from September 16, 1964, $1,800 (4-1-64).

COOK, GERALD W., National Science Foundation Trainee I in Chemical Engineering, one year from September 1, 1964, $2,400 (4-3-64).

COULSON, JAMES H., Fellow in Civil Engineering, February 1-June 15, 1965, $900; and two months from June 16, 1965, $450 (4-1-64).

COWELL, MARY J., Fellow in Dance, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

CRAWFORD, DAVID E., Fellow in Music, nine months from September 16, 1964, $1,800 (4-1-64).
CRINER, DOUGLAS E., Teaching Fellow in Economics, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

DABER, MARCIA A., Fellow in English, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

D'ALOQUIN, RICHARD J., Fellow in German, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450, superseded (4-23-64).

DANZIGER, EDMUND J., JR., Fellow in History, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

DAVIS, MARTIN L., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, $2,400 (4-17-64).

DEACON, TOM D. E., Teaching Fellow in French, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

DEERING, RICHARD J., Fellow in Economics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

DEES, JEROME S., Teaching Fellow in English, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

DELLER, RICHARD W., Sloan Foundation Fellow in Mechanical and Industrial Engineering, nine months from September 16, 1964, $3,100 (4-1-64).

DOLLINGER, MICHAEL B., International Business Machines Fellow in Mathematics, nine months from September 16, 1964, $1,800 (4-1-64).

DOLLINS, CHARLES C., National Science Foundation Trainee I in Metallurgy, nine months from September 16, 1964, $1,800 (4-1-64).

DOORNINK, DEAN M., National Science Foundation Trainee I in Mechanical Engineering, one year from September 1, 1964, $3,400 (4-1-64).

DRAAYER, DONALD R., Fellow in Education, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

DRAKE, GEORGE W. J., Fellow in Music, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

DRURY, ROBERT E., Fellow in Horticulture, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

DRYSDALE, WILLIAM H., National Aeronautics and Space Administration Fellow (Trainee) in Aeronautical and Astronautical Engineering, one year from September 1, 1964, $2,600 (4-1-64).

DUNLAP, WILLIAM H., Hackett Teaching Fellow in Agricultural Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

DURAND, DAVID A., Lubrizol Company Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-22-64).

ECKERT, DONALD D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,310 (4-17-64).

EDDY, ROBERT R., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $3,600 (4-1-64).

EDWARDS, RALPH J., Fellow in Agronomy, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

EDWARDS, THOMAS E., National Aeronautics and Space Administration Fellow (Trainee) in Aeronautical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

EILRICH, GARY L., Fellow in Agronomy, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

ELY, RICHARD W., Fellow in Geology, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

EMERSON, MICHAEL W. C., National Science Foundation Trainee I in Civil Engineering, nine months from September 16, 1964, $3,300 (4-16-64).

ERWIN, WILLIAM H., Fellow in Architecture, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

ETTER, WILLIAM C., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, $2,900 (4-22-64).

FAJRIJANIC, PAUL M., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, $2,400 (4-1-64).

FAILON, KEITH A., Teaching Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

FEENEY, JAMES W., Fellow in Sociology, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).
FERRELL, Ray E., Jr., National Lead (Baroid Division) Fellow in Geology, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $375 (4-1-64).

FERRIS, Robert F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,880 (4-17-64).

FLAATE, Kaare S., Fellow in Civil Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

FORBES, Delroy J., Fellow in Civil Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

FOURNEY, L., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

FRADIN, Frank Y., J. F. Ervin Foundation Fellow in Metallurgy, nine months from September 16, 1964, $2,400 (4-9-64).

FRANKLIN, Michael L., Roger Adams Teaching Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-1-64).

FREUND, Lambert B., National Science Foundation Trainee I in Theoretical and Applied Mechanics, one year from September 1, 1964, $2,400 (4-1-64).

FRIEDMAN, Eugene F., United States Public Health Service Predoctoral Fellow in Chemistry, one year from March 1, 1964, $2,000 (3-24-64).

Frost, Stanley H., Shell Company Foundation Fellow in Geology, nine months from September 16, 1964, $2,000 (4-6-64).

Fryman, Richard F., Fellow in Economics, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

GALLAGHER, Joseph P., National Science Foundation Trainee I in Theoretical and Applied Mechanics, one year from September 1, 1964, $2,400 (4-1-64).

Gano, James E., Eli Lilly and Company Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-22-64).

GARDNER, Gene M., Katherine L. Sharp Fellow in Library Science, nine months from September 16, 1964, $500 (4-1-64).

GEBHARDT, Sue F., Fellow in Art, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

GEHLBACH, J., General Foods Fellow in Home Economics, nine months from September 16, 1964, $2,000 (4-22-64).

GERBER, Homer C., National Science Foundation Institute Fellow in Mathematics, one year from September 16, 1964, $4,170 (4-17-64).

GETZ, Benette, Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

GIBSON, William R., Fellow in Animal Science, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

GIVENS, Roger W., Fellow in Physics, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

GOODING, Frederic, Jr., National Science Foundation Institute Fellow in Mathematics, one year from September 16, 1964, $4,740 (4-17-64).

GOODWIN, William A., Fellow in Nuclear Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

GORDON, Donald J., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

GORDON, Michael D., Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-1-64).

GORE, Ernest S., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

GREENAWAY, William K., Bradley University Fellow in Sociology, nine months from September 16, 1964, $1,800 (4-1-64).

GUESS, Suan, Illinois Wesleyan University Fellow in Art, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-10-64).

GUPTA, Jogindar P., Fellow in the Creative and Performing Arts (Architecture), nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).
GUSTAFSON, WILLIAM C., National Science Foundation Trainee II in Civil Engineering, one year from September 1, 1964, $2,600 (4-1-64).

HAFLEY, NORMAN C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,170 (4-17-64).

HALL, LEVAND E., Kendric C. Babcock Fellow in Political Science, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

HALL, MARION A., Fellow in Music, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

HALL, RICHARD S., Teaching Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HALVERSON, ROY K., Teaching Fellow in Communications, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HAMMEL, ARNOLD D., Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HANFT, RAYMOND W., General Atomic Dynamics Fellow in Physics, nine months from September 16, 1964, $2,400 (4-1-64).

HANNULA, THOMAS A., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, $3,200 (4-1-64).

HARPER, HARRIET L., Fellow in Creative and Performing Arts (Speech), nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HARTWELL, GEORGE E., JR., Dow Chemical Company Fellow in Chemistry, nine months from September 16, 1964, $1,900 (4-22-64).

HASKELL, WILLIAM L., Fellow in Physical Education, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HAUCK, RICHARD B., Teaching Fellow in English, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

HAUER, R., Fellow in English, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HAY, ARTHUR J., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

HAYNIE, RICHARD L., Teaching Fellow in French, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HECHT, ROBERT J., Union Carbide Corporation Fellow in Physics, nine months from September 16, 1964, $2,100 (4-1-64).

HERBERGER, LOTUS D., National Science Foundation Institute Fellow in Mathematics, one year from September 1, 1964, $4,170 (4-17-64).

HEUSSMAN, JOHN W., Fellow in Library Science, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

HILL, ROBERTA B., United States Public Health Postdoctoral Fellow in Animal Science, six months from March 1, 1964, $3,400 (3-18-64).

HITE, GERALD E., Fellow in Physics, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

HORIN, TERENCE J., Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HOFFMAN, MARTIN R., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, $2,600 (4-1-64).
HOLT, CLARENCE M., JR., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

HORNVIK, KARE, Fellow in Nuclear Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

HOUCHENS, ALBERT F., Fellow in Mechanical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

HOYT, RONNIE A., National Science Foundation Trainee I in Electrical Engineering, nine months from September 16, 1964, $1,950 (4-6-64).

HSIA, KELLY YU, Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

ISSA, AHMAD DAUOD, Fellow in Finance, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $500 (4-1-64).

JANICE E., Fellow in Geography, nine months from September 16, 1964, $2,200 (4-1-64).

JANICE E., Fellow in Art, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

JONES, ROBERT H., Postdoctoral Fellow in Economics, two months from June 16, 1964, $2,900 (4-10-64).

JORDAN, JAMES W., Fellow in Art, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

JORGENSEN, PAUL C., North Central College Teaching Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).
Kostelnicek, Richard J., Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

Krantz, Paul G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,880 (4-17-64).

Kreeger, Stanley, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,310 (4-17-64).

Krysan, James L., Fellow in Entomology, nine months from September 16, 1964, $2,200 (4-1-64).

Kuehl, Jean A., Fellow in Biology, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Kuyper, David S., Teaching Fellow in Psychology, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

Laderquist, Dennis R., National Aeronautics and Space Administration Fellow (Trainee) in Civil Engineering, one year from September 1, 1964, $3,200 (4-1-64).

Langner, Ernest H., Fellow in Dairy Technology, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

Larson, Myra J., Fellow in Zoology, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Leeper, Alan O., Teaching Fellow in Mechanical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Lee, Peter Shu-Ti, Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1964, $500 (4-1-64).

Leir, Charles M., Sinclair Refining Company Fellow in Chemistry, nine months from September 16, 1964, $1,800 (4-22-64).

Lemay, Harold E., Jr., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

Lenard, Lester M., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

Lenkusz, Frank R., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

Levey, James R., Fellow in Civil Engineering, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

Lilienthal, Paul A., National Aeronautics and Space Administration Fellow (Trainee) in Theoretical and Applied Mechanics, one year from September 1, 1964, $2,400 (4-17-64).

Lloyd, John P., National Science Foundation Trainee I in Agricultural Engineering, one year from September 1, 1964, $2,400 (4-1-64).

Lofgren, Alice L., Fellow in French, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Loken, Julie L., Fellow in Social Work, nine months from September 16, 1964, $1,800 (4-1-64).

Losee, David L., National Aeronautics and Space Administration Fellow (Trainee) in Physics, one year from September 1, 1964, $3,200 (4-1-64).

Loyd, Laymond B., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,740 (4-17-64).

Lucas, Kenneth R., C. S. Marvel Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-22-64).

Luetschen, William E., Hackett Fellow in Agronomy, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

Lunde, Karen A., Teaching Fellow in French, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Lustig, Jeremy, Teaching Fellow in Music, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

MacDougall, Carolyn S., Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-1-64).

Maddox, Joseph V., Fellow in Entomology, nine months from September 16, 1964, $1,800 (4-1-64).

Markham, Douglas D., Teaching Fellow in German, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).
MATZ, CHARLES F., Fellow in Botany, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

MAYBERRY, JOHN P., Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

MCArTHUR, CAROLYN M., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1964, $500 (4-1-64).

MccORmICK, JAMES L., Fellow in Chemical Engineering, September 16, 1964-January 31, 1965, $1,000; and two months from June 16, 1964, $500 (4-1-64).

McDONALD, ROBERT A., Fellow in Art, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

McGLAMERY, MARSHAL D., Fellow in Agronomy, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

MECH, WILLIAM P., Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

MEDROW, ROBERT A., National Science Foundation Trainee in Mechanical Engineering, nine months from September 16, 1964, $2,325 (4-9-64).

MEK, CHARLES C., National Science Foundation Trainee I in Nuclear Engineering, one year from September 1, 1964, $2,400 (4-1-64).

MEINECKE, FRED K., Fellow in Linguistics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Messer, Wayne R., Robert F. Carr Teaching Fellow in Chemistry, February 1-June 15, 1965, $1,000 (4-1-64).

Michael, Frederick W., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, $2,400 (4-1-64).

Mieszl, JOHN L., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

Miller, Ronald E., National Science Foundation Trainee I in Metallurgy, one year from September 1, 1964, $2,900 (4-9-64).

Milligan, David V., National Aeronautics and Space Administration Fellow (Trainee) in Chemistry, one year from September 1, 1964, $3,400 (4-1-64).

Mishken, David J., Lilly Endowment Fellow in Economics, one year from September 1, 1964, $2,500 (4-1-64).

Mitchell, James E., Fellow in Chemical Engineering, September 16, 1964-January 31, 1965, $1,000; and two months from June 16, 1964, $500 (4-1-64).

Monahan, Maurice L., Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Morley, Larry J., National Science Foundation Institute Fellow in Mathematics, one year from September 1, 1964, $4,740 (4-17-64).

MrStik, Vincent, Jr., Fellow in Electrical Engineering, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

Musliner, Walter J., Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-1-64).

Muu, Le Trong, Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

Myers, Sharon L., Fellow in Education, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

NanZeTTA, PHILIP N., Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Neufeldt, V. Alfred, Teaching Fellow in English, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

NieVERTGELT, JURG, Fellow in Mathematics, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

Ning, Robert Y., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

Niss, James F., Fellow in Economics, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

NunNALLY, NELSON R., Fellow in Geography, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

O'Block, Francis R., United States Office of Education Fellow (Trainee) in Education, one year from February 1, 1964, $2,400 (3-20-64).

O'Brien, Timothy J., Fellow in Agronomy, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).
OISHI, Roy K., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

OSTRANDER, W., Teaching Fellow in Music, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

OTTAWAY, Mark C. C., Fellow in Journalism, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

OVERBY, Lacy R., Postdoctoral Fellow (Trainee) in Microbiology, six months from March 16, 1964, $1,200 (4-7-64).

OZANNE, Jerry M., National Science Foundation Trainee I in Theoretical and Applied Mechanics, one year from September 16, 1964, $2,400 (4-1-64).

PALEN, W., Shell Company Foundation Fellow in Chemical Engineering, eleven months from September 16, 1964, $2,000 (4-1-64).

PATTEN, Brown Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-7-64).

PATTERSON, Garry J., National Aeronautics and Space Administration Fellow (Trainee), six months from March 1, 1964, $1,200 (4-7-64).

PATTON, D., Fellow in Geology, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

PAULSON, Gary C., National Science Foundation Trainee I in Ceramic Engineering, one year from September 1, 1964, $4,600 (4-1-64).

PERSHING, Roscoe L., Teaching Fellow in Agricultural Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

PETRIE, John M., Walter B. Brown Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-22-64).

POCKETT, Allan R., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,170 (4-17-64).

POCHAN, John M., Walter B. Brown Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-1-64).

PISCO, Keith F., Gillette-Toni Fellow in Chemistry, nine months from September 16, 1964, $2,500 (4-22-64).

PUCKETT, Reginald T., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-22-64).

RAFAELI, K. G., Fellow in Animal Science, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

RAY, Martin, Fellow in Physics, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

RATZ, Amiram, Teaching Fellow in Food Science, nine months from September 16, 1964, $1,950; and two months from June 16, 1965, $500 (4-1-64).

RICH, Daniel L., Fellow in Civil Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).
RICHARDSON, Judith E., Wright Fellow in Home Economics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

RICHARDSON, Raymond E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,740 (4-17-64).

RINGENBERG, Richard R., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, $2,400 (4-23-64).

ROBERTS, Charles E., Jr., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, $3,000 (4-20-64).

ROBERTSON, C. Warren, Shubert Fellow in Playwriting (Speech and Theatre), nine months from September 16, 1964, $2,500 (4-14-64).

RICHARDSON, Raymonde, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,740 (4-17-64).

Ringenberg, R., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, $2,400 (4-23-64).

ROBERTS, Charles E., Jr., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, $2,400 (4-23-64).

ROOT, Ronald B., National Science Foundation Trainee in Chemical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

ROKUS, Josef W., National Science Foundation Trainee in Electrical Engineering, nine months from September 16, 1964, $1,800 (4-1-64).

ROOT, Ronald B., National Science Foundation Trainee in Chemical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

ROSENTHAL, Michael R., Socony-Mobil Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-22-64).

ROTH, Kenneth R., National Science Foundation Trainee in Aeronautical and Astronautical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

RUBIN, David L., Teaching Fellow in French, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

SAAM, William F., National Aeronautics and Space Administration Fellow (Trainee) in Physics, one year from September 1, 1964, $3,400 (4-13-64).

SABACKY, Milton J., Rohm and Haas Fellow in Chemistry, nine months from September 16, 1964, $1,900 (4-22-64).

SAPIUDDIN, Mohammed, Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800 (4-1-64).

SCHAEFBE, Frederick W., National Science Foundation Trainee in Civil Engineering, one year from September 1, 1964, $2,400 (4-1-64).

SCHENBECK, Franklyn C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $3,600 (4-17-64).

SCHWARTZ, Paul M., National Aeronautics and Space Administration Fellow (Trainee) in Physics, one year from September 1, 1964, $2,400 (4-1-64).

SCHWARTZ, Paul M., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1964, $2,400 (4-1-64).

SEINFELD, Meri, Fellow in Spanish, nine months from September 16, 1964, $1,800 (4-1-64).

SELL, Maurice G., Jr., Procter and Gamble Company Summer Fellow in Chemical Engineering, two months from June 16, 1964, $400 (3-16-64).

SESTIERI, Valeria, Teaching Fellow in Italian, nine months from September 16, 1964, $2,200; and two months from June 16, 1964, $500 (4-1-64).


SHAPIRO, Thomas R., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1964, $500 (4-1-64).

SHAY, Richard N., Fellow in Music, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

SHOEIB, Nagwa K., Fellow in English, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

SHOIB, Stephen C., Teaching Fellow in Classics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-17-64).

SIDDIQUI, Islam A., Wright Fellow in Plant Pathology, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-9-64).

SINCLAIR, Kenneth E., Fellow in Education, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

SINDERMANN, Bernard M., National Aeronautics and Space Administration Fellow (Trainee) in Aeronautical and Astronautical Engineering, one year from September 1, 1964, $2,400 (4-15-64).

SKIERISKI, Theodore C., National Science Foundation Trainee in Mechanical Engineering, one year from September 1, 1964, $3,400 (4-1-64).

SMASHEY, John L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,740 (4-17-64).
SMILEY, MARILYNN J., Fellow in Music, two months from June 16, 1964, $450 (4-1-64).

SMITH, ALLAN J., Fellow in Urban Planning, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

SMITH, EDWARD D., National Aeronautics and Space Administration Fellow (Trainee) in Mechanical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

SMITH, GEORGE H., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $3,600 (4-17-64).

SO, KAM-CHUEN, Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

SOLOMON, DIANE, Fellow in Spanish, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

SPENCEY, KENNETH, Fellow in English, nine months from September 16, 1964, $2,200; and two months from June 16, 1964, $500 (4-1-64).

SPINOSA, FRANK, Teaching Fellow in Music, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

STEINER, WILLIAM G., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, $2,400 (4-1-64).

STONE, ROBERT G., Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-1-64).

STORCH, KAY E., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1964, $2,666.66 (4-1-64).

STURGUL, JOHN R., National Science Foundation Trainee II in Mining Engineering, one year from September 1, 1964, $2,400 (4-1-64).

SWANSON, JOEL L., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, $2,400 (4-17-64).

SWEETMAN, GRAHAM D., Fellow in Business Administration, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

SZENTKIRALYI, ANDRAS, Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

SZURSZESKI, JOSEPH H., Fellow in Physiology, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

TAKIZAWA, BILL H., Teaching Fellow in Geography, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

TASCH, ALOYSIOUS F., National Aeronautics and Space Administration Fellow (Trainee) in Physics, one year from September 1, 1964, $2,600 (4-1-64).

TETZ, GUENTHER, Fellow in Creative and Performing Arts (Art), nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

THODEY, ALAN R., Wright Fellow in Agricultural Economics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

THOMAS, CHARLES G., Fellow in Mathematics, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

TILLING, JAMES R., Charles E. Merriam Fellow in Political Science, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-10-64).

TOWER, ROGER E., National Science Foundation Trainee I in Chemical Engineering, nine months from September 16, 1964, $1,800 (4-1-64).

TRACEY, ROBERT J., Paul V. Galvin Fellow in Electrical Engineering, nine months from September 16, 1964, $2,500 (4-1-64).

TREPTOW, RICHARD S., August Kochs Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-22-64).

TRUITT, CATHERINE C., Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

UNLAND, MARK L., Sun Oil Company Fellow in Chemistry, nine months from September 16, 1964, $2,400; and two months from June 16, 1965, $500 (4-22-64).
Vander Hart, David L., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1964, $500 (4-1-64).

Vander Naal, Amie, Fellow in Spanish, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Van der Voorn, Peter C., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500 (4-1-64).

Vedder, Richard K., Fellow in Economics, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

Vesely, William E., Jr., National Aeronautics and Space Administration Fellow (Trainee) in Nuclear Engineering, one year from September 1, 1964, $2,400 (4-1-64).

Vogenthaler, John L., Fellow in History, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Vold, Barbara S., Fellow in Botany, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Waiteo, Douglas K., Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800 (4-1-64).

Wallace, Linda, Wheaton College Fellow in English, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Wantland, Larry R., Hackett Fellow in Food Science, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $500 (4-1-64).

Ward, William J., Fellow in Chemical Engineering, September 16, 1964-January 31, 1965, $1,000 (4-1-64).

Wedekind, Gilbert L., National Science Foundation Trainee III in Mechanical Engineering, one year from September 1, 1964, $3,300 (4-21-64).

Weikel, Mary A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $3,600 (4-17-64).

Wernik, Ronald A., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, $2,400 (4-3-64).

Wickersheim, Robert D., National Science Foundation Trainee I in Electrical Engineering, nine months from September 16, 1964, $1,800 (4-7-64).

Wilson, Thomas D., James W. Garner Fellow in Political Science, nine months from September 16, 1964, $2,000 (4-1-64).

Wilton, Donald R., National Science Foundation Trainee I in Electrical Engineering, nine months from September 16, 1964, $1,800 (4-9-64).

Winans, Roger M., Teaching Fellow in Economics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Wollman, Jack B., Fellow in Accountancy, nine months from September 16, 1964, $1,800 (4-1-64).

Wright, Gary N., National Science Foundation Trainee I in Nuclear Engineering, one year from September 1, 1964, $2,400 (4-16-64).

Wu, Shu-yau, Fellow in Electrical Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-1-64).

Yarema, Raymond J., National Science Foundation Trainee I in Electrical Engineering, nine months from September 16, 1964, $1,800 (4-3-64).

Young, Donald E., National Science Foundation Trainee I in Electrical Engineering, one year from September 1, 1964, $2,400 (4-16-64).

Zakiame, Mehdi S., Fellow in Civil Engineering, nine months from September 16, 1964, $1,800; and two months from June 16, 1964, $450 (4-1-64).

Zemanek, Janice R., Fellow in Mathematics, nine months from September 16, 1964, $2,000; and two months from June 16, 1964, $500 (4-1-64).

Zumdahl, Steven S., Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1964, $500 (4-1-64).

Resignations, Declinations, and Terminations

Bartram, Harlan G., Assistant Professor of Mathematics, Summer Session of 1964 — declination effective June 15, 1964; and Assistant Professor of Mathematics — resignation effective September 1, 1964.

Bauman, Philip A., Assistant Professor of Electrical Engineering, Summer Session of 1964 — declination effective June 15, 1964.

Bergman, Richard T., Instructor in Radiology, College of Medicine — resignation effective June 1, 1964.

Blevins, Mrs. Marcia C., Assistant Reference Librarian with rank of Instructor — resignation effective September 1, 1964.
Broussard, Louis, Assistant Professor of English, Chicago Undergraduate Division, Summer Session of 1964—declination effective June 19, 1964.
Campbell, Marilyn, Instructor in Audiology, College of Medicine—resignation effective May 1, 1964.
Casten, Sabine, Instructor in Chemistry, Chicago Undergraduate Division, Summer Session of 1964—declination effective June 19, 1964.
Cox, George, Research Associate in Biological Chemistry, College of Medicine—termination effective February 1, 1964.
Cullen, F. Patricia, Instructor in Physical Education for Women—resignation effective September 1, 1964.
Drysdale, William H., National Aeronautics and Space Administration Fellow in Aeronautical and Astronautical Engineering—resignation effective June 1, 1964.
Fitzgerald, James E., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science—resignation effective April 1, 1964.
Flood, Kenneth U., Associate Professor of Business Administration—resignation effective September 1, 1964.
Greenberg, Michael J., Assistant Professor of Zoology—resignation effective September 1, 1964.
Handler, Joel F., Assistant Professor of Law—resignation effective September 1, 1964.
Hawkland, William D., Professor of Law—resignation effective September 1, 1964.
Hutchinson, John W., Associate Professor of Civil Engineering—resignation effective September 1, 1964.
Jewett, Robert A., Associate Professor of General Engineering, Summer Session of 1964—resignation effective June 15, 1964.
King, Ivan R., Associate Professor of Astronomy—resignation effective September 1, 1964.
Lindsey, John M., Assistant Law Librarian with rank of Instructor—resignation effective September 1, 1964.
Lipman, Vivian C., Assistant Professor of Psychology, Chicago Undergraduate Division, Summer Session of 1964—declination effective June 19, 1964.
Martin, Dean F., Assistant Professor of Inorganic Chemistry—resignation effective September 1, 1964.
McCaffrey, Lawrence J., Associate Professor of History in the Division of General Studies—resignation effective September 1, 1964.
Meloy, Carl R., Professor of Chemistry, Chicago Undergraduate Division, Summer Session of 1964—resignation effective June 19, 1964.
Mischeke, Richard E., National Science Foundation Cooperative Fellow in Physics—resignation effective June 1, 1964.
Moyer, James E., Associate Professor of Advertising, Summer Session of 1964—declination effective June 15, 1964.
Nishi, William V., Bookstacks Librarian with rank of Instructor—resignation effective June 1, 1964.
Neumann, Alvin L., Professor of Animal Science—resignation effective July 1, 1964.
Nishida, Mrs. Sakiko, Research Assistant in Nutritional Biochemistry—resignation effective June 1, 1964.
LEAVES OF ABSENCE

BUTWELL, RICHARD, Associate Professor of Political Science — leave of absence, without pay, for the academic year 1964-65, so that he may serve as a consultant to the Rockefeller Foundation in a new program designed to facilitate the development of outstanding departments in the various social sciences at two key Southeast Asian universities.

CRAWFORD, ROBERT B., Assistant Professor of History — leave of absence, without pay, for the academic year 1964-65, so that he may accept a Social Science Research Council grant awarded him for study and research.

DIXON, ROBERT D., Instructor in Mathematics — leave of absence, without pay, for the academic year 1964-65, so that he may accept a position at the Dayton campus of Ohio State University for that period.

FRITH, DONALD E., Associate Professor of Art — leave of absence, without pay, for the academic year 1964-65, so that he may take advantage of a Danforth Foundation Grant awarded him for advanced study at Alfred University.

GAMMILL, HOMER L., Professor of Industrial Psychology, Division of University Extension and Institute of Labor and Industrial Relations — relieved of his regular duties on the campus for a five-week period from July 8 to August 15, 1964, to study management development theories and practices in Great Britain.

KING, BLAIR B., Assistant Professor of History — leave of absence, without pay, for the academic year 1964-65, so that he may accept a Faculty Research Fellowship from the American Institute of Indian Studies for study abroad.
LASHER, SIm, Instructor in Mathematics, Chicago Undergraduate Division—
leave of absence, without pay, for the academic year 1964-65, so that he may
accept a National Science Foundation Fellowship for graduate studies at the
University of Chicago.

MOYER, FREDERIC D., Instructor in Architecture—leave of absence, without pay,
for the first semester of 1964-65, so that he may accept an appointment as the
Thirtieth Francis J. Plym Fellow in Architectural Engineering.

NAGEL, STUART S., Assistant Professor of Political Science—change in his leave
of absence, without pay, for the academic year 1964-65, to include acceptance
of an invitation to be a Senior Specialist at the East-West Center at the
University of Hawaii from May 1 through August 31, 1965, in addition to
his fellowship at the Center for Advanced Study in the Behavioral Sciences
in Palo Alto, California.

PELTASON, JACK W., Professor of Political Science and Dean of the College of
Liberal Arts and Sciences—leave of absence, without pay, for the month
of August, 1964.

PERESSINI, ANTHONY L., Assistant Professor of Mathematics—leave of absence,
without pay, for the academic year 1964-65, so that he may accept a position
on the mathematics staff at Oregon State University for that period.

PESAVENTO, MRS. WILMA W., Assistant Professor of Physical Education for
Women, Chicago Undergraduate Division—leave of absence, without pay,
for the academic year 1964-65.

REMEIKIS, MRS. NIJOLE, Instructor in Endodontics, Department of Applied Materia
Medica and Therapeutics, College of Dentistry—leave of absence, without pay,
for two months from June 1, 1964.

ROHRER, RONALD A., Assistant Professor of Electrical Engineering, Department
of Electrical Engineering and Coordinated Science Laboratory—leave of
absence, without pay, for one year from September 1, 1964, so that he may
accept a National Academy of Sciences-National Research Council Fellowship
offered him for study and research at the Polytechnic Institute of Brooklyn.

SAVAGE, JEROME, Instructor in Art—leave of absence, without pay, for the
academic year 1964-65, so that he may accept a Guggenheim Fellowship for
study and work in England in his field of art.

SCHLOMITI, NICHOLAS C., Assistant Professor of Mathematics, Chicago Under-
graduate Division—disability leave of absence, with full pay, for the
second semester of the academic year 1963-64.

SHANK, MAX C., Professor of Biological Sciences, Chicago Undergraduate
Division—leave of absence, without pay, for the academic year 1964-65, so
that he may accept a Fulbright award for work abroad.

SPARGO, MRS. GLADYS R., Acquisition Assistant in the Library, Chicago Under-
graduate Division—leave of absence, without pay, from June 15 through
August 7, 1964, so that she may attend summer school at the University of
Illinois in Urbana.

STREETER, HARRISON, Instructor in General Engineering, College of Engineering—
leave of absence, without pay, for the academic year 1964-65, so that he may
do graduate work at the State University of Iowa.

SWENSON, GEORGE W., Professor of Electrical Engineering, College of Engineer-
ing, and Research Professor of Astronomy, College of Liberal Arts and
Sciences—leave of absence, without pay, for the academic year 1964-65, so
that he may accept an appointment as Visiting Scientist at the National Radio
Astronomy Observatory.

WILLE, JANE, Consultant in Social Work, with rank of Associate Professor—
leave of absence, without pay, for two months from July 1, 1964.

**SABBATICAL LEAVES OF ABSENCE**

CATTELL, RAYMOND B., Research Professor of Psychology—sabbatical leave of
absence on full pay changed from the first semester of 1964-65 to January
1 through April 30, 1965, has been approved.

SCHLOMITI, NICHOLAS C., Assistant Professor of Mathematics, Chicago Under-
graduate Division—sabbatical leave of absence for the second semester of
the academic year 1963-64 is hereby cancelled, without prejudice. He will be
on disability leave of absence.
REVRETMENT
BRAW, ROGER H., Professor of Soil Fertility, Department of Agronomy, College of Agriculture and Agricultural Experiment Station — retirement effective June 1, 1964.

RECESS AND EXECUTIVE SESSION
President Clement announced that an executive session has been requested and was being ordered for consideration of property acquisitions.

On motion of Mr. Hughes, the Board recessed.

When the Board reconvened in executive session, the same members, officers of the Board, and officers of the University were present as listed at the beginning of these minutes.

The Board considered the following items of business.

PURCHASE OF PROPERTY AT 507 EAST JOHN STREET, CHAMPAIGN
(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees request the Illinois Building Authority to purchase for the University the property at 507 East John Street, Champaign, at a price of $65,000 — in accordance with the Illinois Building Authority Act.

The property consists of a lot approximately 66 feet wide by 168.73 feet deep (11,138 square feet) and is improved with a two and one-half story and basement frame rooming house. The land area will be used for parking. Possession will be delivered not later than July 1, 1964.

The price is within appraisals. The Committee on Buildings and Grounds has also recommended the purchase.

I concur.

On motion of Mrs. Watkins, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

ACQUISITION OF 1306 WEST SPRINGFIELD AVENUE, URBANA
(2) The Board of Trustees has authorized the acquisition of the property at 1306 West Springfield Avenue, Urbana, which is needed for expansion of the Digital Computer Laboratory. The owner refused to sell at a price within the limits of University appraisals and the Board subsequently authorized condemnation proceedings. Suit was filed in the Circuit Court of Champaign County (Case No. 64-L-30).

The owner has now agreed to sell for an award of $39,809.27 for the property with the understanding that possession will be delivered to the University on or before June 10, 1964. The settlement price is $309.27 above the amount previously approved by the Committee on Buildings and Grounds of the Board as a purchase price.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend acceptance of this settlement proposal.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund.

I concur.

On motion of Mr. Swain, this settlement proposal was accepted, and purchase of the property was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

ACQUISITION OF PROPERTIES AT 605 AND 603 EAST DANIEL STREET, CHAMPAIGN
(3) The Board of Trustees has authorized condemnation proceedings for the acquisition of the properties at 605 and 603 East Daniel Street, Champaign, both
owned by the same party. The jury trial for the condemnation of the property at 605 East Daniel Street (Case No. 61-L-175) was set for May 11, 1964; the trial for the acquisition at 603 East Daniel Street (Case No. 63-L-429) had been tentatively scheduled for the week of May 18, 1964.

Immediately prior to selection of the jury for the trial on the 605 East Daniel Street property, the owner indicated willingness to settle both cases for a total award of $193,000, for the two properties on the following basis:

For the property at 605 East Daniel Street, formerly the Cosmopolitan Club property:
1. The value will be fixed at $60,000, payable on possession, which will be delivered to the University on or before July 10, 1964.
2. The owner will remove all improvements prior to the specified possession date.
3. The University will afford access for the owner's vehicles over this lot to the rear of the adjoining property at 603 East Daniel Street until the specified possession date of said adjoining property.
4. The University will reserve three parking spaces on this lot to accommodate the vehicles of the owner used in his business until the specified possession date of the adjoining property, but the University will not be responsible for enforcing observance of the reservation of these spaces.

For the property at 603 East Daniel Street, known as "The Thunderbird":
1. The value will be fixed at $133,000, payable on possession, which will be delivered to the University on or before June 30, 1965.
2. The owner will remove all improvements prior to the specified possession date.

Funds are available in state capital appropriations to the University for 1963-65 from the Universities Building Fund.

The Director of the Physical Plant, the Vice-President and Comptroller, and the Legal Counsel recommend approval of the proposed settlement and I concur.

On motion of Mr. Pogue, the settlement proposed was accepted, and the purchase of the two properties, at the prices indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

PURCHASE OF PROPERTY AT 509 EAST JOHN STREET, CHAMPAIGN

(4) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees request the Illinois Building Authority to purchase for the University the property at 509 East John Street, Champaign, at a price of $53,500—in accordance with the provisions of the Illinois Building Authority Act.

The property consists of a lot approximately 58 feet wide by 168.75 feet deep (9,788 square feet) and is improved with a two and one-half story and basement frame rooming house. The land area will be used for parking. Possession will be delivered not later than August 10, 1964.

The price is within appraisals. The Committee on Buildings and Grounds has been consulted and also recommends the purchase.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Page, Mr. Williamson.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President
The June meeting of the Board of Trustees of the University of Illinois was held in the Illini Union South, Urbana, Illinois, on Wednesday, June 17, 1964, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Wayne A. Johnston, Mr. Theodore A. Jones, Mr. Ray Page, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, and Mr. Kenney E. Williamson. Mr. Irving Dilliard, Mr. Earl M. Hughes, and Governor Otto Kerner were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. Earl W. Porter, Assistant to the President, Mr. Shannon McCune, Consultant to the President and to the Executive Vice-President and Provost, Mr. Vernon L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. R. R. Manchester, Treasurer, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary. Dean Russell N. Sullivan of the College of Law was present during a part of the meeting.
MINUTES APPROVED
The Secretary presented the supplement to the minutes of the meeting
of the Board of Trustees on July 2, 1963, and the minutes of the meet-
ings of the Board of Trustees on September 18, October 26, and
November 23, 1963, press proof copies of which have previously been
sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed
on pages 1 to 411, inclusive, and on pages 745 to 932, inclusive.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recom-
mendations from the President of the University.

PRESIDENT'S REPORT
President Henry presented a report on selected topics of current inter-
est, copies of which were distributed at the meeting, and a copy was
filed with the Secretary of the Board.

ANNUAL OPERATING BUDGET FOR 1964-65
(1) The complete, itemized, operating budget for 1964-65 covering all divisions
of University work, with a condensed analysis and summaries, is submitted for
official action.

The budget is for the fiscal year beginning July 1, 1964, for academic and
administrative appointments beginning September 1, 1964, and for nonacademic
personnel appointments beginning July, 1964. The budget has been prepared by
the Executive Vice-President and Provost and the Vice-President and Comptroller
in accordance with procedures approved by the President. It is based upon recom-
mendations of the deans, directors, and other administrative officers, and has been
reviewed by the President and the University Council. It has also been reviewed
by the Finance Committee of the Board.

I recommend that this budget, covering the allocation of the estimated oper-
ating income from all sources for the year beginning July 1, 1964, as amended and
approved by the Finance Committee, be approved by the Board, and that the
President of the University be authorized, in accordance with the needs of the
University and the equitable interests involved, and within total income: (a) to
accept resignations, (b) to make such additional appointments as are necessary
subject to the provisions of the University Statutes and the Policy and Rules
Relating to Compensation and Working Conditions of Nonacademic Employees,
and (c) to make such changes and adjustments in items included in the budget as
are needed, all such changes to be covered in the Vice-President and Comptroller's
quarterly financial reports, or in reports to the Board by its Secretary, provided
that assignments for new projects or programs and for nonrecurring capital
expenditures in excess of $2,500 shall be presented to the Board for approval.

A copy of the complete budget and of the condensed analysis and summaries
had previously been sent to each member of the Board of Trustees.

Mr. Williamson, Chairman of the Finance Committee, reported that
the Committee had met on June 16, 1964, and had recommended some
changes, and that the budget as now being presented to the Board was
amended accordingly. Mr. Clement, Mr. Johnston, Mr. Pogue, and
Mrs. Watkins also participated in the meeting of the Committee.

The President of the University, the Executive Vice-President and
Provost, and the Vice-President and Comptroller then discussed the
budget and the presentation of the policy recommendations as set forth
in the condensed analysis and summaries. A copy of this document has
been filed with the Secretary of the Board for record.

Following discussion by members of the Board, on motion of Mr.
Williamson, the budget was approved, authority was given as requested
in the President's recommendations, and the required appropriations were made, this action being taken by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent Mr. Dilliard, Mr. Hughes, Mr. Kerner.

The complete budget appears as a supplement to these minutes.

BUDGET OF THE ATHLETIC ASSOCIATION FOR 1964-65

(2) The Director of Intercollegiate Athletics submits, on behalf of the Board of Directors of the Athletic Association, the budget for the Association for 1964-65 which is summarized as follows with comparative figures for the preceding year:

<table>
<thead>
<tr>
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<th>1963-64</th>
<th>1964-65</th>
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<tbody>
<tr>
<td>Income</td>
<td>$1,165,535</td>
<td>$1,297,860</td>
</tr>
<tr>
<td>Appropriations</td>
<td>1,159,730</td>
<td>1,292,445</td>
</tr>
<tr>
<td>Excess of Income</td>
<td>5,805</td>
<td>5,415</td>
</tr>
</tbody>
</table>

The budget has been examined and approved by the Executive Vice-President and Provost and the Vice-President and Comptroller.

I recommend that this budget be approved and that the President of the University be authorized to make such changes and adjustments, including approval of new appointments and acceptances of resignations, as are necessary and recommended by the Board of Directors of the Athletic Association within the total income realized.

A copy of the budget is being filed with the Secretary of the Board for record.

On motion of Mr. Swain, this budget was approved.

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(3) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

- Name: Rosario Bernard LaRose
  - Address: River Forest, Illinois
  - State from Which They Obtained Certificates: District of Columbia
- Name: Robert Newman
  - Address: Olivette, Missouri
  - State from Which They Obtained Certificates: Missouri
- Name: Arthur Henry Peters
  - Address: Belleville, Illinois
  - State from Which They Obtained Certificates: Missouri
- Name: Ralph John Sierra, Jr.
  - Address: Santurce, Puerto Rico
  - State from Which They Obtained Certificates: Puerto Rico

I concur.

On motion of Mrs. Watkins, these certificates were awarded.

ADVISORY COUNCIL OF LIBRARIANS

(4) The Dean of Library Administration recommends the following appointments to the Advisory Council of Librarians for terms of three years beginning September 1, 1964.

Public Libraries
- Eleanor Plain, Librarian, Aurora Public Library, Aurora, to succeed Grace W. Gilman, Director, Lincoln Library, Springfield, whose term is expiring.
  (The other representative of Public Libraries is William W. Bryan, Librarian, Peoria Public Library, Peoria, whose term will expire in 1965.)

College and University Libraries
- George M. Bailey, Executive Secretary, Association of College and Research Libraries, Chicago, to succeed Victoria Hargrave, Librarian, MacMurray College, Jacksonville, whose term is expiring.
  (The other representative of College and University Libraries is Dr. Robert D. Hertel, Director of Libraries, Illinois State University at Normal, whose term will expire in 1965.)
School Libraries
RACHEL WILKES, Librarian, High School and Junior College, Centralia, to succeed Mrs. Imogene Book, Librarian, High School and Junior College, Mt. Vernon, whose term is expiring. (The other representative of School Libraries is Eleanor Youngmire, Supervisor, Oak Park Elementary Schools, whose term will expire in 1965.)

Special Libraries
LORRAINE CIBOCH, Research Librarian, Teletype Corporation, Skokie, to succeed William S. Budington, Assistant Librarian, John Crerar Library, Chicago, whose term is expiring. (The other representative of Special Libraries is Agnes C. Henebry, Librarian, Decatur Herald and Review, whose term will expire in 1965.)

I concur.

On motion of Mr. Johnston, these appointments were approved.

APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY

I concur.

On motion of Mr. Jones, this appointment was approved.

APPOINTMENTS TO THE FACULTY
(6) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. MICHAEL BARR, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of $8,100.
2. I. DAVID BERG, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of $8,200.
3. RICHARD E. BLOCK, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of $10,800.
4. VICTOR A. BLOOMFIELD, Assistant Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of $8,500.
5. ROBERT C. BOSTON, Assistant Manager of Television Station, one-half time, and Supervisor of Television Services with rank of Instructor, one-half time, at an annual salary of $11,000.
6. SIDNEY D. BRAUN, Visiting Professor of French, four and one-half months from September 16, 1964, at a salary of $6,875.
7. DONALD E. CARLSON, Assistant Professor of Theoretical and Applied Mechanics, beginning September 1, 1964, at an annual salary of $8,100.
8. ROBERT W. CARROLL, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of $11,000.
9. GEORGE A. CHAMBERS, Assistant Professor of Educational Administration and Supervision, beginning September 1, 1964, at an annual salary of $8,500.
10. JOHN C. CHATO, Associate Professor of Mechanical and Industrial Engineering, beginning September 1, 1964, at an annual salary of $10,500.
11. NORMAN S. ENDLER, Research Assistant Professor of Psychology, four months from May 1, 1964, at a salary of $4,300.
12. BETTY GLAD, Assistant Professor of Political Science and Coordinator of Extension in International Affairs, Division of University Extension, beginning September 1, 1964, at an annual salary of $11,600.
13. GORDON Z. GREENBERG, Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of $8,200.
14. ROBERT W. HELLMUTH, Visiting Associate Professor of Physics and of Electrical Engineering, for the academic year 1964-65, at a salary of $16,000.
15. THEODORE HERSTAND, Assistant Professor of Speech and Theatre, beginning September 1, 1964, at an annual salary of $8,200.
16. EDWARD F. HESS, JR., Assistant Law Librarian with rank of Assistant Professor, beginning October 1, 1964, at an annual salary of $8,200.

17. CONRAD A. ISTOCK, Assistant Professor of Zoology, beginning September 1, 1964, at an annual salary of $8,000.

18. FREDERIC M. JENKINS, Assistant Professor of French, beginning September 1, 1964, at an annual salary of $8,700.

19. THOMAS C. KING, Chief of Training Section, Office of Research in Medical Education, four-fifths time, and Associate Professor of Surgery, one-fifth time, beginning September 1, 1964, at an annual salary of $17,500.

20. GUY LAPIREVOTTE, Visiting Assistant Professor of French, one year from September 1, 1964, at a salary of $7,500.

21. NOELLE LAPIREVOTTE, Visiting Assistant Professor of French, one year from September 1, 1964, at a salary of $7,500.

22. RUDOLPH A. MARCUS, Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of $18,000.

23. DONALD LEE MILLER, Assistant Professor of Music, School of Music and Division of University Extension, beginning September 1, 1964, at an annual salary of $10,000.

24. JOHN MYHILL, Visiting Research Professor of Mathematics, in the Digital Computer Laboratory, Graduate College, for one year from June 16, 1964, at a salary of $19,000.

25. STANLEY M. NEALEY, Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of $8,000.

26. ERNEST T. PARKER, Associate Professor of Mathematics, beginning September 1, 1964, at an annual salary of $11,000.

27. IAIN C. PAUL, Research Assistant Professor of Physical Chemistry, from May 1, 1964, through June 15, 1964, and from July 16, 1964, through August 31, 1964, at a salary of $2,834; and beginning September 1, 1964, at an annual salary of $8,500.

28. THEODORE A. PAYENS, Visiting Professor of Food Science, Agricultural Experiment Station, from December 21, 1964, through June 19, 1965, at an annual salary of $7,485.

29. WILLIAM H. PIRKLE, Assistant Professor of Organic Chemistry, beginning September 1, 1964, at an annual salary of $7,800.

30. KENNETH PREISS, Assistant Professor of Civil Engineering and Nuclear Engineering, beginning September 1, 1964, at an annual salary of $7,500.

31. JOHN T. RADER III, Assistant Professor of Economics, beginning September 1, 1964, at an annual salary of $10,750.

32. HEYDAR RADJAVI, Assistant Professor of Mathematics, beginning September 1, 1964, at an annual salary of $8,300.

33. MINNAKSUNDARAM RAJAGOPALAN, Visiting Assistant Professor of Mathematics, for the academic year 1964-1965, at a salary of $8,500.

34. DAVID L. ROSENBERG, Clinical Assistant Professor of Psychiatry, College of Medicine, beginning April 1, 1964, without salary.

35. OTTO EUGENE SCHOEN-RENE, Visiting Professor of English, one year from September 1, 1964, at a salary of $15,000.

36. ROBERT L. SPRAGUE, Research Psychologist in Children's Research Center, and Assistant Professor of Psychology, beginning September 1, 1964, at an annual salary of $11,000.

37. WILLIAM B. VAN GROENOU, Visiting Assistant Professor of Industrial Administration, for the academic year 1964-1965, at a salary of $8,000.

38. ROBERT F. WELCH, Assistant Professor of English, beginning September 1, 1964, at an annual salary of $7,500.

39. ROBERT W. WOODY, Assistant Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of $8,100.

40. STANLEY YOUNG, Visiting Associate Professor of Industrial Administration, one year from September 1, 1964, at a salary of $11,000.

**Appointments of Noncitizens to Indefinite Tenure Positions**

The following recommendations for appointments on indefinite tenure of non-
citizens were reviewed by a committee consisting of the Executive Vice-President and Provost, the Acting Dean of the Graduate College, and the dean of the college concerned in accordance with the policy and procedure authorized by the Board of Trustees for consideration of such appointments. The Committee has concurred in the recommendations.

1. **Janez Peklenik**, Professor of Mechanical and Industrial Engineering, beginning September 1, 1964, at an annual salary of $12,650.
2. **George A. Shim**, Professor of Physical Chemistry, beginning September 1, 1964, at an annual salary of $16,000.

On motion of Mr. Pogue, these appointments were confirmed.

**DIRECTORSHIP OF THE ILLINOIS HISTORICAL SURVEY**

(7) The Acting Dean of the Graduate College recommends the appointment of Dr. Robert M. Sutton, Professor of History and Associate Dean of the Graduate College, as Director of the Illinois Historical Survey on one-half time, effective September 1, 1964, to succeed Mrs. Marguerite Jenison Pease, who is retiring this year. Professor Sutton will continue as Associate Dean of the Graduate College on one-half time during 1964-65.

His area of specialization is state and local history and in conjunction with his administrative duties, he has continued to teach courses in the history of Illinois and to do research in that area.

The Executive Vice-President and Provost concurs.

I recommend approval.

On motion of Mr. Page, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF ANIMAL SCIENCE, URBANA**

(8) The Dean of the College of Agriculture and Director of the Agricultural Experiment Station and the Cooperative Extension Service in Agriculture and Home Economics recommends the appointment of Dr. Robert O. Nesheim, presently Manager of the Livestock Feed Research Department of the Quaker Oats Company, as Professor of Animal Science on indefinite tenure and Head of the Department of Animal Science beginning July 15, 1964, at an annual salary of $19,500 on a twelve months' service basis.

This appointment is to fill the vacancy created by the resignation of Professor O. Burr Ross, who is leaving the University of Illinois to be Vice-President for Agricultural Sciences and Dean of the College of Agriculture at Oklahoma State University.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur in this recommendation.

I recommend approval.

On motion of Mr. Swain, this appointment was approved.

**HEADSHIP OF THE DEPARTMENT OF PHYSICAL EDUCATION FOR MEN, URBANA**

(9) The Dean of the College of Physical Education recommends the appointment of Dr. Earle F. Zeigler as Professor on indefinite tenure and Head of the Department of Physical Education for Men beginning September 1, 1964, at an annual salary of $14,500 on an academic year service basis.

The appointment of Professor Zeigler, presently a member of the faculty, as Head of the Department was initiated by a special search committee. He will succeed Professor Chester O. Jackson, who has been serving as Head of the Department since 1958 and who has asked to be relieved of the administrative duties as Head so that he can devote full time to teaching and research.

C. K. Brightbill, Professor and Head of the Department of Recreation and Municipal Park Administration, Chairman; T. K. Cureton, Professor of Physical Education for Men; Laura J. Huelster, Professor and Head of the Department of Physical Education for Women; H. E. Kenney, Professor of Physical Education for Men and Manager of Facilities, College of Physical Education; Douglas R. Mills, Professor of Physical Education for Men and Director of Athletics; T. J. Nugent, Associate Professor of Physical Education for Men and Director of the Division of Rehabilitation-Education Services.
The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur. I recommend approval.

On motion of Mr. Pogue, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF SPEECH AND THEATRE, CHICAGO UNDERGRADUATE DIVISION
(10) The Dean of the College of Liberal Arts and Sciences and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. R. Victor Harnack, presently Associate Professor of Speech at the University of Colorado, as Professor of Speech on indefinite tenure and Head of the Department of Speech and Theatre at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of $14,500 on an academic year service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur. I recommend approval.

On motion of Mrs. Watkins, this appointment was approved.

HEADSHIP OF THE DEPARTMENT OF SYSTEMS ANALYSIS AND DESIGN, CHICAGO UNDERGRADUATE DIVISION
(11) The Dean of the College of Engineering and the Vice-President for the Chicago Undergraduate Division recommend the appointment of Dr. Robert E. Machol, presently Vice-President for Systems of Conduktor Corporation, as Professor on indefinite tenure and Head of the Department of Systems Analysis and Design in the College of Engineering at the Chicago Undergraduate Division beginning September 1, 1964, at an annual salary of $17,500 on a twelve months' service basis.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost concur. I recommend approval.

On motion of Mr. Johnston, this appointment was approved.

SABBATICAL LEAVES OF ABSENCE, 1964-65
(12) I recommend that the following members of the staff be given sabbatical leaves of absence during the academic year 1964-65 in accordance with the provisions of the University of Illinois Statutes and on the terms and for the periods indicated. This recommendation is supplementary to the applications recommended to the Board of Trustees on March 18 and May 20, 1964.

Beulah A. Hunzicker, Assistant Professor of Home Economics, College of Agriculture, first semester, full pay.

Hiram Paley, Assistant Professor of Mathematics, College of Liberal Arts and Sciences, first semester, one-half pay.

Nicholas C. Scholomiti, Assistant Professor of Mathematics, Chicago Undergraduate Division, second semester, full pay.

On motion of Mr. Johnston, these leaves were granted, as recommended.

ADMISSION REQUIREMENTS IN THE COLLEGE OF LAW
(13) The Urbana-Champaign Senate recommends several changes in requirements for admission to the College of Law, effective June 1, 1965. The major change is for a minimum admission requirement of a bachelor's degree from an approved undergraduate college.

The changes recommended have flexibility to facilitate the change-over to the new admission requirement and to deal with exceptional cases. The revisions will bring the College of Law in line with the requirements of other major law schools in this country.

Submitted herewith is a complete statement of all changes proposed, including the present and the new requirements, and a copy is being filed with the Secretary of the Board for record.
The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.

I recommend approval.

Dean Russell N. Sullivan of the College of Law was present at the meeting and discussed in some detail the reasons for the proposed change.

On motion of Mr. Swain, this recommendation was approved.

AMENDMENTS OF UNIVERSITY STATUTES

(14) At its April 15, 1964, meeting the Board of Trustees stated its tentative approval of revisions in Sections 6, 38, and 39 of the University Statutes originated by the Senates, with the exception of certain modifications thereof proposed by the Board, and directed that the advice of the University Senates be sought on the modifications.

On May 19, 1964, the Chicago Undergraduate Division Senate expressed its approval of the modifications proposed by the Board.

On May 25, 1964, the Urbana-Champaign Senate defeated a motion to adopt the Board's modifications and passed motions which (a) requested an opportunity for further consultation with the Board of Trustees (or a committee thereof) for the purpose of arriving at a consensus which would reflect the principles of the amendments adopted by the three Senates; (b) designated a Committee of the Senate for such purpose; and (c) suggested that the Board invite the corresponding Committees on Academic Freedom from the other Senates to join in such consultations.

On June 3, 1964, the Medical Center Senate also defeated a motion to approve the Board's proposed modifications and passed motions requesting further consultations in essentially the manner suggested by the previous action of the Urbana-Champaign Senate.

In accordance with the request of the Urbana-Champaign and the Medical Center Senates, I recommend that (1) further consultation be arranged with the designated committees, including the Committee on Academic Freedom of the Chicago Undergraduate Division; (2) the liaison committee of the Senate Coordinating Council also be requested to participate in the consultation as provided for in Section 7(d) of the University Statutes, and that (3) the matter be referred to the Committee on General Policy for further action.

On motion of Mrs. Watkins, the President's recommendations were approved.

CONSOLIDATION OF OFFICE OF INSTRUCTIONAL RESEARCH AND OFFICE OF INSTRUCTIONAL TELEVISION INTO AN OFFICE OF INSTRUCTIONAL RESOURCES AT URBANA-CHAMPAIGN

(15) The Executive Vice-President and Provost recommends that an Office of Instructional Resources be established to replace the Office of Instructional Research and the Office of Instructional Television at the Urbana-Champaign campus. The new Office will assume the responsibilities presently assigned to its two predecessors and will in addition provide a wider range of instructional services to faculty members, departments, and colleges.

The Office of Instructional Resources will be broadly concerned with the improvement of the instructional program—especially at the undergraduate level—through assisting the faculty in the increased use of newer techniques and media and through studies of the influence upon academic achievement of other factors in the University environment within and outside the classroom.

The need to improve the quality of collegiate instruction in the face of mounting enrollment, and probably without commensurate increases in faculty and funds, makes it imperative to use as fully and as effectively as possible the
newer instructional resources such as television, programmed instruction, films, graphic presentation, and other audio-visual techniques. The Office of Instructional Resources will assist faculty members in the use of these media and in evaluating their effectiveness.

In addition to studies of instructional methods and course content, the new Office will sponsor research on the relationship of academic achievement and choice of vocation to the characteristics of students (geographic, educational, psychological, and socio-economic), to characteristics of instructors, and to characteristics of the extracurricular environment.

The Director of the Office of Instructional Resources at Urbana-Champaign will administer that Office under the general supervision of the Executive Vice-President and Provost. He will also have University-wide staff responsibility for coordinating such functions on all campuses of the University, and for advising the Executive Vice-President and Provost concerning policies and plans in this area.

It is recommended also that Professor Charles J. McIntyre, at present Director of the Office of Instructional Television, be named Director of the Office of Instructional Resources at Urbana-Champaign, with the additional responsibilities just described.

I concur.

On motion of Mr. Johnston, these recommendations were approved.

CENTER FOR INTERNATIONAL COMPARATIVE STUDIES

(16) In consultation with the departments concerned, the Acting Dean and the Executive Committee of the Graduate College recommend that there be established in the Graduate College a Center for International Comparative Studies. The Center will supplement programs previously established and for which funds have been provided in state appropriations for the current biennium (1963-64). The earlier programs and the new Center will also be supported over a period of five years by a grant received from the Ford Foundation.

The purpose of the proposed Center will be to provide a framework within the University for stimulating and supporting comparative research of a functional and problem-oriented nature along cross-cultural, cross-national, and cross-regional lines. Its central function will be to develop means of encouraging such research and criteria for supporting it, including appropriate arrangements for released time for faculty research and for financing overseas travel for research scholars. Preference for support will be given to research programs that involve the training of graduate students.

A detailed description of the functions of the Center is submitted herewith and a copy is being filed with the Secretary of the Board for record.

The officers on the three campuses concerned have been consulted. The Director of International Programs and the Executive Vice-President and Provost concur in the recommendation.

I recommend approval.

On motion of Mrs. Watkins, this recommendation was approved.

CENTER FOR INSTRUCTIONAL RESEARCH AND CURRICULUM EVALUATION

(17) The College of Education recommends that the name of its present Office of Educational Testing be changed to "Center for Instructional Research and Curriculum Evaluation," effective September 1, 1964.

The new name would denote more accurately the interests and activities of the staff members of the Office of Educational Testing. Its functions have always been broader in scope than educational testing per se, and the proposed designation would emphasize the major purposes for which educational and psychological tests are used in educational research.

The proposed Center for Instructional Research and Curriculum Evaluation would have a relatively small permanent staff—as the Office of Educational Testing now has—but it would have the cooperation of many faculty members in departments throughout the College of Education, and in other colleges, who are interested in curricular innovation or in the improvement of teaching. The Center would provide the technical assistance needed for testing the effectiveness
of curriculum changes in various school or college subjects, and for determining the teaching methods best suited to the presentation of such materials to students.

The Acting Dean of the Graduate College and the Executive Vice-President and Provost recommend approval of the change in name and expansion in program of the Office of Educational Testing.

I concur.

On motion of Mr. Williamson, this recommendation was approved.

**ESTABLISHMENT OF A SURVEY RESEARCH LABORATORY**

(18) The Acting Dean of the Graduate College recommends that a Survey Research Laboratory be established by the University of Illinois as a separate unit of the Graduate College. The functions of the Survey Research Laboratory will be to: (1) plan, conduct, and process survey operations for University research projects; and, to carry out this function, to create an operating survey organization with facilities for maintaining and interviewing probability samples of the population of the state of Illinois; (2) conduct and promote research in survey methods; (3) provide a means for training undergraduate and graduate students in survey methods; and (4) act as a data repository for survey and other data on the state of Illinois.

Such a laboratory will serve to coordinate and facilitate the large number of University projects which currently use survey methods and will promote research on questions which can only be answered through the use of surveys. Its need stems from the growing use of the survey method as a tool of investigation employed in many different areas of the University. Knowledge of the use of this tool and of the associated facilities has become essential if undergraduate and graduate students in most of the social sciences and related applied fields are to receive a well-rounded education.

Until now, the University has possessed no central laboratory for maintaining survey operations, for collecting survey data, or for storing research data in a form readily available to faculty members and students. This type of laboratory exists at the Universities of Michigan and Wisconsin, but there is none at present in the state of Illinois.

The operations of the Survey Research Laboratory will be conducted by faculty members who hold departmental appointments. Primary administrative responsibility will rest with a Director and an Executive Committee. The Executive Committee will consist of those faculty members directly responsible for the major sections of the Laboratory (sampling, field operations, coding, and data storage), together with additional appointees from the faculties of the various departments of the University of Illinois most dependent upon the facilities of the Laboratory for their research activities. These additional faculty appointees will be named by the Dean of the Graduate College on recommendation of their department heads. The Director will be appointed biennially by the Board of Trustees on recommendation of the President, after nomination by the Dean of the Graduate College with the concurrence of the Executive Committee of the Laboratory. The Director of the Laboratory will serve as a member of the Executive Committee.

It is intended that the groundwork of the Laboratory will be laid during the forthcoming summer and academic year. During this period, a so-called master sample of the population of Illinois will be developed and field force of interviewers will be established and trained in all areas encompassed by the master sample. During this same period, plans would be completed for a perpetual data repository. Such repository would seek to develop an inventory of data needed in studies carried out by University faculty, and would maintain data relating to the business conditions and welfare of the State of Illinois.

A major function of the Laboratory will be to educate graduate and undergraduate students in survey techniques. Students will be given an opportunity to work under general faculty supervision and will be involved closely with the operational phases of a survey project. In addition, graduate students will be able to carry out dissertation projects using the resources of the Survey Research Laboratory. Faculty members will offer departmental courses drawing upon the resources of the Laboratory.

It is anticipated that the Survey Research Laboratory will be ready for regular operations by September, 1965.
This proposal has been approved by the Executive Committee of the Graduate College, the University Research Board, and the Executive Vice-President and Provost.

I concur.

On motion of Mr. Jones, this recommendation was approved.

HOSPITAL-MEDICAL-SURGICAL INSURANCE POLICIES FOR STUDENTS AND STAFF

Bids have been received on the hospital-medical-surgical insurance programs for staff and students for one year from September 1, 1964, with the right reserved to renew such insurance annually thereafter upon mutual agreement between the Carrier and the University. A schedule of the bids is submitted herewith and a copy is being filed with the Secretary.

The Vice-President and Comptroller recommends award of a contract for the same benefits as the current program to the Continental Assurance Company, 310 South Michigan Avenue, Chicago, the lowest bidder, at the following rates:

<table>
<thead>
<tr>
<th>Staff Insurance</th>
<th>Monthly Premium to be Paid to Company</th>
<th>Present Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee</td>
<td>$3.64</td>
<td>($3.51)</td>
</tr>
<tr>
<td>Employee and Dependents</td>
<td>9.59</td>
<td>(9.40)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Student Insurance</th>
<th>Premium Per Semester to be Paid to Company</th>
<th>Premium Per Quarter to be Paid to Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbana Undergraduate Division</td>
<td>Chicago Medical Center</td>
<td></td>
</tr>
<tr>
<td>Student</td>
<td>$9.38 ($9.20) $7.34 ($7.20) $5.50 ($5.50)</td>
<td></td>
</tr>
<tr>
<td>Spouse</td>
<td>12.34 (12.10) 9.94 (9.75) 7.44 (7.30)</td>
<td></td>
</tr>
<tr>
<td>Child or Children</td>
<td>8.80 (8.63) 7.08 (6.95) 5.30 (5.20)</td>
<td></td>
</tr>
</tbody>
</table>

The excess over the cost of the coverage will be adequate to defray the administrative expenses of the programs. Since the bids are only slightly more than under the present contract, no increase in the fees charged to students and staff is necessary.

On motion of Mr. Johnston, this contract was authorized.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations from the University General Reserve:

Urbana-Champaign
1. College of Fine and Applied Arts:
   Department of Art............................................. $4,526
2. Physical Plant Department:
   Remodeling in the Mining and Metallurgy Laboratory and moving costs
   for the Department of Art.................................... 5,377
   Remodeling for School of Music at 1205 West Nevada Street, Urbana,
   to provide practice rooms.................................... 8,375
   Remodeling for School of Music at 1205½ West Nevada Street,
   Urbana, to develop classroom and office space for piano instruction... 10,100
   Remodeling at 1007 and 1007½ South Wright Street, Champaign, for
   use as a Center for Linguistics and various area studies groups... 11,040
   Remodeling in the Natural History Building to provide research space
   for graduate students and in Harker Hall to provide space for
   courses in the School of Life Sciences........................ 17,580
   Remodeling on the second floor of the Mining and Metallurgy Labora-
   tory to provide office space for the Nuclear Engineering Program... 19,270

Total................................................................. $76,268

I concur.
On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACTS FOR CONSTRUCTION OF DYNAMICS TEST LABORATORY**

(21) The Director of the Physical Plant Department and the Vice-President and Comptroller recommend award of contracts for construction of the Dynamics Test Laboratory for the Department of Civil Engineering, the award in each case being to the lowest bidder:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>$173,340</td>
</tr>
<tr>
<td>Deductible alternates</td>
<td></td>
</tr>
<tr>
<td>Omission of lab cabinets</td>
<td>$-3,200</td>
</tr>
<tr>
<td>Omission of ceramic wall</td>
<td>$-410</td>
</tr>
<tr>
<td>and floor tile in two</td>
<td></td>
</tr>
<tr>
<td>rooms</td>
<td></td>
</tr>
<tr>
<td>Electrical</td>
<td>$16,342</td>
</tr>
<tr>
<td>Plumbing</td>
<td>$7,855</td>
</tr>
<tr>
<td>Heating and Air Conditioning</td>
<td>$5,656</td>
</tr>
<tr>
<td>Ventilating</td>
<td>$4,981</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$208,174</td>
</tr>
</tbody>
</table>

It is also recommended that a combined contract be awarded to F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign, in the amount of $10,637 being the total of the amounts bid by that Company on heating and air conditioning and on ventilating work.

Funds are available from the Universities Building Fund and from the Research Contract Reserve. The latter source will be reimbursed if a construction grant is received from the National Science Foundation.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of all bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Page, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACT FOR CONSTRUCTION OF UTILITY EXTENSIONS TO EAST CHEMISTRY BUILDING**

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $36,879 to the J. A. Julian Company, Chicago, the lowest bidder, for extension of steam service to the East Chemistry Building Addition.

Funds are available in the state capital appropriations to the University for 1963-65 and have been released.

I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACTS FOR COOLING TOWERS FOR ADMINISTRATION BUILDING**

(23) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of cooling towers on the Admin-
istration Building for air conditioning the new addition, the present building, and providing additional capacity for future air conditioning of other buildings in the immediate area, the award in each case to the lowest bidder.

General — Kuhne-Simmons Company, Inc., Champaign .................. $ 59,624
Base bid ................................................. $ 60,000
Deductive alternates for:
Omission of job office........................................ −165
Omission of temporary sign.................................... −136
Omission of temporary power.................................... −75

Electrical — Square Deal Electrical Contracting, Inc., Urbana ........... 12,890

Plumbing — F. R. Inskip, an individual doing business as Inskip Plumbing, Heating, and Air Conditioning Company, Champaign .................. 6,860

Heating — Bellis and Miller, Inc., Champaign .......................... 63,551

Total ........................................................ $142,925

Funds are available in state capital appropriations to the University from the Universities Building Fund, subject to release.

Submitted herewith is a report from the Physical Plant Department, including a schedule of bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

CONTRACTS FOR MINOR BUILDING ALTERATIONS AND REPAIRS

(24) The Director of the Physical Plant and the Vice-President and the Comptroller recommend authorization of cost-plus contracts with the following contractors for minor building alterations, repairs, and construction work for the period July 1, 1964, through June 30, 1965.

General — Dean Evans Company, Champaign

Electrical — William H. Brunkow, an individual doing business as Brunkow Electric Company, Champaign

Plumbing — Willis H. and W. C. Thomas, a partnership doing business as Thomas Plumbing and Heating Company, Urbana

Heating, Piping, Refrigeration, and Automatic Temperature Control Systems — Reliable Plumbing and Heating Company, Champaign

Ventilation and Distribution Systems for Conditioned Air — Reliable Plumbing and Heating Company, Champaign

It is also recommended that a combined contract be awarded to Reliable Plumbing and Heating Company, Champaign, for heating, piping, refrigeration, and automatic temperature controls and for ventilation and distribution systems for conditioned air, since this Company submitted identical bids for each category of work.

These contracts are for work which does not justify the cost of preparing separate drawings and specifications and of separate bidding procedures on each project. The several contractors bid on percentages to be added to actual material, labor, and subcontract costs, depending in many cases on the size of the particular division of work with specified limits of four ranges.

Work will be done as ordered by the Physical Plant Department and will be paid for on the basis of the actual cost of each job plus contractors' fees. A schedule of bids taken showing the percentages to be added for work to be executed under these cost-plus contracts is submitted herewith, and a copy is being filed with the Secretary of the Board for record as the basis for the contract awards recommended. No assignment of funds is requested and each job will be covered by a contract change order charged against funds allocated for the project.

It is further recommended that the Vice-President and Comptroller be authorized to approve orders under these contracts up to $25,000 on each project provided that any orders exceeding this amount shall be submitted to the Board.
of Trustees for approval in advance, in accordance with previous practice and
authorization.
I concur.

On motion of Mr. Williamson, these contracts were awarded, and
authority was given as requested, by the following vote: Aye, Mr.
Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain,
Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr.
Hughes, Mr. Kerner.

**CONTRACT FOR PLASTERING, PLASTER PATCHING
AND REPAIRS, AND ACOUSTICAL WORK**

(25) The Director of the Physical Plant and the Vice-President and Comptroller
recommend award of a cost-plus contract to George S. Grimmett, doing business
as George S. Grimmett and Company, Springfield, the lowest bidder, for plastering,
plaster patching and repairs, and acoustical work during the fiscal year ending
June 30, 1965, on the basis of a contractor's fee of 13.9 per cent of all actual job
costs as determined by itemized billing.
I concur.

On motion of Mr. Johnston, this contract was authorized by the
following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page,
Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; ab-
sent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

**CONTRACTS FOR REMODELING IN DENTISTRY-MEDICINE-
PHARMACY BUILDING**

(26) The Director of the Physical Plant and the Vice-President and Comptroller
recommend award of contracts for remodeling in the first unit of the Dentistry-
Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

<table>
<thead>
<tr>
<th>Description</th>
<th>Contractor</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>Heller Construction Company, Inc., Chicago</td>
<td>$25,252</td>
</tr>
<tr>
<td>Laboratory Equipment</td>
<td>Duralab Equipment Corporation, Chicago</td>
<td>$27,974</td>
</tr>
<tr>
<td>Plumbing</td>
<td>Reid Mechanical Contractors, Inc., Chicago</td>
<td>$8,222</td>
</tr>
<tr>
<td>Heating and Process Piping</td>
<td>Ashland Plumbing and Heating Company, Chicago</td>
<td>$7,964</td>
</tr>
<tr>
<td>Ventilating</td>
<td>Hedmark Sheet Metal Company, Inc., Glen Ellyn</td>
<td>$19,595</td>
</tr>
<tr>
<td>Pipe Covering and Insulation</td>
<td>W. J. Donahoe Company, Chicago</td>
<td>$1,455</td>
</tr>
<tr>
<td>Electrical</td>
<td>Midwest Interstate Electrical Construction Company, Chicago</td>
<td>$7,220</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$97,682</td>
</tr>
</tbody>
</table>

This work will include rehabilitating the west half of a student laboratory
(Biochemistry Room 304) by installation of new partitions, laboratory furniture,
improvement of the lighting level and mechanical ventilation, installation of
resilient flooring, and painting. The remodeling is a continuation of remodeling
in this area which was completed during the 1961-63 biennium.

It is further recommended that all contracts other than the contract for gen-
eral work be assigned to the contractor for that work, making the total of his
contract price $97,682; and that an agreement be entered into with Heller Con-
struction Company, Inc., for the assignment of these other contracts for $1,793
which amount is included in the contract price, being the amount bid by that
Company for service charge for supervision of other contracts assigned to the
general contractor.

Funds for this work are available in the state capital appropriations to the
University for 1963-65.

Submitted herewith is a schedule of all bids received and a copy is being
filed with the Secretary of the Board for record.
I concur.

On motion of Mrs. Watkins, these contracts were awarded, as
recommended, by the following vote: Aye, Mr. Clement, Mr. Johnston,
Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

EXTENSION OF EASEMENT AT CARTER-PENNELL FARM

(27) The Central Illinois Public Service Company has an easement for electric power transmission lines along the public roads adjoining the University's Carter-Pennell farm near Rankin in Vermilion County. The Company needs to install a heavier line and requests an easement to install three anchor wires on University property. The area of the easement is about one-seventh of an acre. Two of the anchors will be on non-tillable land, and most of the area around the third anchor can be farmed. The Company will pay $150 for the easement.

The Dean of the College of Agriculture and the Vice-President and Comptroller consider this compensation adequate and recommend adoption of the following resolution granting an easement.

Resolution

Be It, And It Hereby Is Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and the Secretary of this Board of Trustees be, and they hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this Corporation such instruments of conveyance, contract, or other document or documents as to them may seem necessary or desirable in order to grant to Central Illinois Public Service Company, an Illinois corporation, hereinafter referred to as "Grantee," its successors and assigns, the right to construct, operate, patrol, and maintain a transmission line, including poles, anchors and necessary fixtures and wires attached thereto, over and upon the land hereinafter described, for the transmission of electrical energy and communication such line to form a part of an electrical transmission and telephone system to be owned and operated by the said Grantee its successors, or assigns, extending from the lands owned by the said Grantee and the structures thereon in Vermilion County, Illinois, to other lands and structures located beyond the lands hereinafter described, and also to remove or trim all brush and trees on the said land within Fifty Feet (50') of the said transmission line, together with the right of access to the said land. Any damage to any property of the Grantor, its assigns or tenants, caused by the employees of the Grantee, its successors or assigns, shall be promptly paid by the said Grantee, its successors or assigns. The land of the Grantor over which this grant is given and the location of the line to be constructed thereon, are described as follows:

TRACT I:
The North One Hundred Feet (N. 100') of that part of the Southwest Quarter (SW ¼) of the Northeast Quarter (NE ¼) of Section Eleven (Sec. 11) which lies East of Brook Creek and the West Four Hundred Twenty Five Feet (W. 425') of that part of the Southeast Quarter (SEg) of the Northeast Quarter (NEq) of Section 11 which lies North of the North line of Carter's Second West Addition to the Original Town of Rankin, Illinois, all in Township Twenty-Three North (T.23.N.), Range Fourteen West (R.14.W.) of the Second Principal Meridian (2nd P.M.), Vermilion County, Illinois.

This grant is made to grant the right to place One (1) anchor Nine Hundred Sixty-five Feet (965') North of the South line of the Northeast Quarter (NEq) of the said Section 11 and 1350 feet West of the East line of the said Section 11. Also, One (1) anchor to be placed 1070 feet North of the South line of the Northeast Quarter (NEg) of the said Section 11 and 1320 feet West of the East line of the said Section 11. Also, Two (2) anchors to be placed 1210 feet, more or less, North of the South line of the Northeast Quarter (NEq) of the said Section 11 and 1140 feet West of the East line of the said Section 11.

TRACT II:
The North Twenty-Five Feet (N. 25') of the West One Hundred Fifty Feet (W. 150') of the Northwest Quarter (NWg) of the Northwest Quarter (NWq) of Section Twelve (Sec. 12) in Township Twenty-Three North (T.23.N.), Range Fourteen West (R.14.W.), of the Second Principal Meridian
(2nd P.M.), Vermilion County, Illinois, which lies South of the South line of the Public Highway which extends East and West along the North line of the said Section 12.

This grant also includes the right to place One (1) pole One Foot (1') South of the South line of the above mentioned Public Highway and 142 feet East of the center line of State Highway Route #49. One (1) anchor to be placed 20 feet South of the said pole.

The Grantee herein agrees to move, at its own expense, the anchors listed above, upon request of Grantor, and due to relocation of said Brook Creek bed, to a location which is mutually agreeable between Grantee and Grantor.

This easement to cease to be in effect if said transmission line is abandoned.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner.

EMPLOYMENT OF ENGINEERS

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of Sodemann and Associates, Champaign, Illinois, for engineering services in planning the paving of Peabody Drive east of Goodwin Avenue in front of the Veterinary Medicine Building at the standard fee based on Schedule B of the minimum fees of the Illinois Society of Professional Engineers. Funds are available in the Physical Plant budget. The Committee on Buildings and Grounds and the Advisory Committee on Architectural and Engineering Services have been consulted and recommend approval.

I concur.

On motion of Mr. Johnston, this recommendation was approved.

EMPLOYMENT OF SPECIAL COUNSEL

(29) The Legal Counsel has been authorized to employ special counsel in the vicinity of Du Quoin, Illinois, to represent the University in a case before the Court of Claims filed by Ora Metcalf, an employee of Marshall Browning Hospital in Du Quoin, and in which case (by an amended complaint) the University is being sued for $5,000 for an alleged loss of hearing resulting from a demonstration conducted by the University Extension Division.

I request confirmation of this authorization.

On motion of Mr. Swain, the President's action was confirmed.

DIXON SPRINGS AGRICULTURAL CENTER

(30) The Dean of the College of Agriculture and Director of the Agricultural Experiment Station and the Cooperative Extension Service in Agriculture and Home Economics reports a reorganization of the Dixon Springs Experiment Station, and, recommends changing its name to "Dixon Springs Agricultural Center of the University of Illinois."

I have approved the recommendations and report my action for the record. A text of the reorganization plan is submitted herewith, and a copy is filed with the Secretary of the Board for the record.

On motion of Mrs. Watkins, the President's actions were confirmed.

PURCHASES

Purchases Authorized

(31) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

The recommendations are presented in one category: purchases from Institutional Funds. This term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other donors, and University revolving funds authorized by law.
On motion of Mr. Johnston, these purchases were approved.

Purchases Recommended

The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University); and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, foundation grants, and grants from corporations and other donors, and University revolving funds authorized by law.

Purchases from Appropriated Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One 70 mm. x-ray camera to be furnished and installed on an x-ray image amplifier in the Department of Radiology</td>
<td>Radiology, Medical Center</td>
<td>North American Philips Co., Inc., Evanston</td>
<td>$3,165.00 delivered and installed</td>
</tr>
<tr>
<td>Furnish, deliver, and set in place in buildings at Chicago Circle, 3,065 office chairs consisting of 940 wood armchairs, 814 upholstered side chairs, 671 upholstered swivel chairs, 211 posture chairs, 80 upholstered chairs without arms, and 349 wood conference chairs, upholstered seat</td>
<td>Chicago Circle</td>
<td>Milwaukee Chair Co., Milwaukee, Wis.</td>
<td>$129,190.39 delivered and set in place</td>
</tr>
<tr>
<td>Furnish and install 263 pieces of steel office furniture consisting of 46 desks, 12 tables, 7 credenzas, 46 files, 122 chairs, 26 stools, and 4 typing stands, all for use in the Library Building at Chicago Circle</td>
<td>Library, Chicago Circle</td>
<td>E &amp; I Cooperative Service, Inc., Garden City, N.Y.</td>
<td>$25,033.84 delivered and set in place</td>
</tr>
<tr>
<td>Furnish and set in place optical laboratory equipment complete with auxiliary accessories, consisting of one spectrophotograph, medium quartz; two wave length spectrometers; one interferometer; one abbe refractometer; one raman spectrophotograph</td>
<td>Physics, Chicago Circle</td>
<td>Engins Equipment Co., Chicago</td>
<td>$4,042.59 delivered and set in place</td>
</tr>
</tbody>
</table>

Purchases from Institutional Funds

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of laboratory equipment and supplies for export to Thailand</td>
<td>Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)</td>
<td>LaPine Scientific Co., Chicago</td>
<td>$3,043.61 f.a.s. New York, N.Y.</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies including constant temperature water baths, pipette and washing accessories, balance, microscope, ovens, and assorted laboratory accessory items</td>
<td>Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)</td>
<td>Schaer Scientific Co., Chicago</td>
<td>$3,079.35 f.a.s. New York, N.Y.</td>
</tr>
<tr>
<td>Two electrocardiographs and accessories consisting of six transducers, two preamplifiers, one accessory kit, and twenty-four rolls of recording paper</td>
<td>Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)</td>
<td>Hewlett-Packard Co., Palo Alto, Calif.</td>
<td>$5,083.20 f.o.b. Waltham, Mass.</td>
</tr>
<tr>
<td>One lot of laboratory equipment and supplies including microscopes and optical accessories, laboratory glassware, water still, and laboratory accessories</td>
<td>Agency for International Development (Faculty of Medicine-Chiangmai Hospital, Thailand)</td>
<td>LaPine Scientific Co., Chicago</td>
<td>$3,894.23 f.a.s. New York, N.Y.</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Furnish and install a double beam infrared spectrophotometer for use in wave length range 2.5 to 50 microns (4000 to 200 cm⁻¹) with a high resolution and accuracy in the entire range, for the Department of Physics at Chicago Circle</td>
<td>Physics, Chicago Circle</td>
<td>Beckman Instruments, Inc., Lincolnwood</td>
<td>$25,283.30</td>
</tr>
<tr>
<td>Furnish and deliver drafting equipment consisting of one theodolite, four optical transits, one soil augur, one optical level, one lot twenty-two drafting machines, one stadia rod, for departments at Chicago Circle</td>
<td>Chicago Circle</td>
<td>National Survey Instruments, Inc., Chicago</td>
<td>$4,461.25</td>
</tr>
<tr>
<td><strong>Three gasoline-powered material handling trucks and one electric-powered material handling truck</strong></td>
<td>Chicago Circle</td>
<td>West Coast Machinery Co., Stockton, Calif.</td>
<td>$5,273.50</td>
</tr>
<tr>
<td><strong>Eighty wood ladders, thirty-six stage platforms, twenty-two extension planks, eight steel safety ladders, two aluminum safety ladders, four aluminum step ladders, for use at Chicago Circle</strong></td>
<td>Chicago Circle</td>
<td>A To Z Equipment Co., Chicago</td>
<td>$163.60</td>
</tr>
<tr>
<td><strong>One industrial tractor and accessories</strong></td>
<td>Physical Plant, Chicago Circle</td>
<td>Herman Miller, Inc., Chicago</td>
<td>$24,106.00</td>
</tr>
<tr>
<td><strong>One lot of grounds maintenance equipment consisting of: one power sweeper, two professional type power mowers, two two-wheel tractors, two battery powered sweepers, one roller, one renovator, one lawn mower sharpener, four grass trimmers, one power sprayer, two reed-type lawn mowers, two rotary mowers, four electric hedge trimmers, six garden hose reels, fourteen sprinklers</strong></td>
<td>Physical Plant, Chicago Circle</td>
<td>Artim Equipment Co., Inc., Hammond, Ind.</td>
<td>$3,700.00</td>
</tr>
<tr>
<td><strong>Furnish, deliver, and set in place thirteen pieces of machine equipment, consisting of one grinder, one pipe and bolt threading machine, one saw, one jointer, one shaper, one tenoner, one drill press, and six machine and pipe vises</strong></td>
<td>Physical Plant, Chicago Circle</td>
<td>Chicago Precision Supply Corp., Schiller Park</td>
<td>$142.49</td>
</tr>
<tr>
<td><strong>Note: This purchase will be from both Institutional Funds, $502,49, and Appropriated Funds, $5,407.45, for a total of $5,909.94.</strong></td>
<td></td>
<td></td>
<td>(6,756.00)</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Furnish, erect, and install 674 double-tier steel lockers, 12 in. by 18 in. by 72 in., and 76 enclosure panels for Chicago Circle Engineering and Science Laboratories</td>
<td>Physical Plant, Chicago Circle</td>
<td>Lyon Metal Products, Inc., Chicago</td>
<td>$10,136.02 delivered and installed</td>
</tr>
<tr>
<td>One transmitter, AM, 5 kw, complete with all necessary transmission lines, branching and phasing equipment, and control units, less trade-in of old transmitter equipment</td>
<td>Radio Station</td>
<td>Radio Corp. of America, Camden, N.J.</td>
<td>$34,861.70 f.o.b. delivered</td>
</tr>
<tr>
<td>One truck, fork lift, gasoline operated, $46 in. collapsed height, 12,000 pound capacity, less trade-in of twenty-year-old fork lift truck, to be used by the Physical Plant in jobs on the Urbana campus</td>
<td>Physical Plant</td>
<td>R. E. Common Equipment Co., Peoria</td>
<td>$9,849.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Furnish and install 238 upholstered auditorium type chairs with tablet arms in the lecture room of the Library addition</td>
<td>Physical Plant</td>
<td>The Franklin-Lee Co., Chicago</td>
<td>$7,021.00 f.o.b. delivered and installed</td>
</tr>
<tr>
<td>Furnish and apply asphalt and limestone chips to be used for resurfacing and sealing streets, drives, and parking lots on the Urbana campus, as follows: 6,380 gallon (approximately) M.C.O. asphalt primer; 270 ton (approximately) 5/8 limestone chips; 17,000 gallons (approximately) PA-1 asphalt; 480 ton (approximately) limestone chips</td>
<td>Physical Plant Storeroom</td>
<td>Parro Construction Corp., Urbana</td>
<td>$9,969.00 f.o.b. delivered and applied</td>
</tr>
<tr>
<td>University police clothing, including fitting of items as follows: 392 shirts; 7 overcoats, reefer style; 46 uniform jackets; 96 uniform trousers; 72 caps</td>
<td>Physical Plant Storeroom</td>
<td>Gerber Manufacturing Co., Mishawaka, Ind.</td>
<td>$5,127.60 f.o.b. delivered</td>
</tr>
<tr>
<td>Hospital and medical professional liability insurance for three years at limits of $200,000/500,000 covering the Chicago and Urbana risk; premium is payable on an annual installment basis of $12,127 for Chicago and $1,197 for Urbana.</td>
<td>Research and Educational Hospitals, Health Services, Veterinary Medicine</td>
<td>Arthur Gottschalk, Peoria, Mishawaka, Ind.</td>
<td>$40,884.00 total three-year premium</td>
</tr>
<tr>
<td>Veteraninian liability insurance, $5,000 per claim, $15,000 aggregate; annual installment of $304</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Purchases from Institutional Funds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One electron microscope and image intensifier system, less trade-in of one used microscope</td>
<td>Aeromedical Laboratory, Medical Center</td>
<td>The Perkin-Elmer Corp., La Grange</td>
<td>$37,190.00 delivered and installed</td>
</tr>
<tr>
<td>One photomicroscope and accessories</td>
<td>Anatomy, Medical Center</td>
<td>Matheson Scientific, Inc., Chicago</td>
<td>$5,674.49 delivered</td>
</tr>
<tr>
<td>Twenty dental air turbine units</td>
<td>Fixed Partial Prosthodontics</td>
<td>Star Dental Manufacturing Co., Inc., Philadelphia, Pa.</td>
<td>$4,608.00 delivered</td>
</tr>
<tr>
<td>One flow detector, one flow monitor, and one 11 in. recorder</td>
<td>Pharmacology (Medicine)</td>
<td>Packard Instrument Co., Inc., La Grange</td>
<td>$7,900.00 delivered</td>
</tr>
<tr>
<td>One spectrophotometer with accessories</td>
<td>Medicine</td>
<td>Matheson Scientific, Inc., Chicago</td>
<td>$6,263.00 delivered</td>
</tr>
<tr>
<td>One lot of laboratory supplies, including two refrigerated centrifuges, eighty bottles of petroleum ether reagent, eighty bottles of acetone reagent, eighty bottles of methyl alcohol absolure reagent, eighty bottles of xylene reagent, eighty cans of ether anaerous reagent, five cases of wash bottles, twenty-four pro-pipettes</td>
<td>Physiology, Medical Center</td>
<td>Matheson Scientific Co., Chicago</td>
<td>$5,377.40 delivered</td>
</tr>
<tr>
<td>Dental laboratory service for the Prosthodontics Clinic consisting of the processing of artificial teeth in plastic and the furnishing of removable partial denture castings, for the period beginning July 1, 1964, through June 30, 1965, and may be renewed for one year by mutual agreement</td>
<td>Prosthodontics Clinic, Medical Center</td>
<td>Major-Monroe Dental Laboratory, Chicago</td>
<td>$19,436.16 delivered</td>
</tr>
<tr>
<td>Item</td>
<td>Department</td>
<td>Vendor</td>
<td>Cost</td>
</tr>
<tr>
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</tr>
<tr>
<td>Porcelain denture teeth as requested by the Prosthodontics Clinic from July 1, 1964, through June 30, 1965</td>
<td>Prosthodontics Clinic, Medical Center</td>
<td>D. L. Saslow Co., Inc., Chicago</td>
<td>$ 4 672.68 delivered</td>
</tr>
<tr>
<td>One lot of approximately 243,000 sterile disposable hypodermic syringes and 199,000 hypodermic needles; this represents the estimated requirement from July 1, 1964, through June 30, 1965, subject to renewal for one year by mutual agreement</td>
<td>Medical Center Stores</td>
<td>Colonial Hospital Supply Co., Chicago</td>
<td>22 378.99 delivered</td>
</tr>
<tr>
<td>Approximately 480 cases sterile disposable operating room packs</td>
<td>Medical Center Stores</td>
<td>Convertors, Inc., Newark, N.J.</td>
<td>40 972.76 delivered</td>
</tr>
<tr>
<td>300 cases sterile disposable obstetrical packs</td>
<td>Pharmacy Stores, Medical Center</td>
<td>The Upjohn Co., Chicago</td>
<td>2 889.43 delivered</td>
</tr>
<tr>
<td>60 cases sterile disposable lithotomy sheets</td>
<td>Hospital Pharmacy</td>
<td>Ampoules, Inc., Hudson, Ohio</td>
<td>9 502.99 delivered</td>
</tr>
<tr>
<td>120 cases sterile disposable laparotomy sheets</td>
<td>Agricultural Economics</td>
<td>Bertram Construction, Grafton, Wis.</td>
<td>4 040.00 f.o.b. delivered and erected</td>
</tr>
<tr>
<td>This represents a twelve months' supply, subject to renewal for one year by mutual agreement</td>
<td>Pharmacy Stores, Medical Center</td>
<td>The Upjohn Co., Chicago</td>
<td>2 889.43 delivered</td>
</tr>
<tr>
<td>504 bottles (500 CC each) lipomul I.V., a high carbohydrate dietary supplement used in pre- and post-operative care; this is an estimated six months' supply</td>
<td>Hospital Pharmacy</td>
<td>Ampoules, Inc., Hudson, Ohio</td>
<td>9 502.99 delivered</td>
</tr>
<tr>
<td>One unit dose dispensing system consisting of one hypule filling and sealing machine, five hypule applicators, one cipule sealing machine, and one dropule pipetting jig</td>
<td>Agricultural Economics</td>
<td>Bertram Construction, Grafton, Wis.</td>
<td>4 040.00 f.o.b. delivered and erected</td>
</tr>
<tr>
<td>Furnish and erect one silo, 18 ft. by 60 ft., poured concrete, including foundation at the University of Illinois Wright Farm No. 4 located at Malta, to be used for corn silage for livestock feeding research being conducted by the Department of Agricultural Economics</td>
<td>Animal Science</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>2 932.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One titrator, dual, recording with one 2.5 ml burette and one combination electrode, for use in the nonaqueous titration of CO2 in primene by the Department of Animal Science</td>
<td>Animal Science</td>
<td>Perkin-Elmer Corp., La Grange</td>
<td>4 993.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One spectrophotometer, infrared, recording, including three cells for liquid sampling, four boxes chart paper, two pen heads, five sodium chloride windows, and two demountable cell mounts, for general laboratory work in the Department of Animal Science</td>
<td>Chemistry and Chemical Engineering</td>
<td>Philips Electronic Instruments, Chicago</td>
<td>4 640.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One 12215 constant potential x-ray generator and control, 50 KV-50 MA, adaptable for x-ray spectrograph with tube housing, shutters, filter selector disc, and rectifiers</td>
<td>Chemistry and Chemical Engineering</td>
<td>W. H. Kessel &amp; Co., Chicago</td>
<td>5 772.49 f.o.b. delivered</td>
</tr>
<tr>
<td>One microscope, photo stand with built-in automatic camera and accessories</td>
<td>Chemistry and Chemical Engineering</td>
<td>Alpha Scientific Laboratories, Inc., Berkeley, Calif.</td>
<td>4 543.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One spectrometer, electron spin resonance type for class instruction in the Department of Chemistry and Chemical Engineering</td>
<td>Chemistry and Chemical Engineering</td>
<td>Picker X-Ray Corp., Chicago</td>
<td>3 190.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Two cameras, x-ray, with 77 mm. camera diameter plus accessories, non-integrating</td>
<td>Chemistry and Chemical Engineering</td>
<td>St. Louis, Mo.</td>
<td>42 400.00 f.o.b. delivered</td>
</tr>
<tr>
<td>Fabricate machine components consisting of a decay chamber, a soil container, and a base plate, for the Dynamic Load Generator to be built by the Civil Engineering Department for soil studies under a United States Air Force contract</td>
<td>College of Commerce and Business Administration</td>
<td>Weber, Hilmer, &amp; Johnson, Chicago</td>
<td>7 486.39 f.o.b. delivered</td>
</tr>
</tbody>
</table>

Lounge furniture for use in the Faculty Lounge of the new Commerce Building | 1256 BOARD OF TRUSTEES [June 17]
<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furnish services and materials for photographic optical effects and titles as requested for the period from June 19, 1964, through June 30, 1965</td>
<td>University of Illinois Committee on School Mathematics Film Project</td>
<td>Zapel Studios, Inc., Chicago</td>
<td>$14,635.50</td>
</tr>
<tr>
<td>Two basic electronic chassis including power supply, eight digit readout with memory, automatic decimal point, and mode indicator, one crystal oscillator and related circuitry</td>
<td>Coordinated Science Laboratory</td>
<td>Computer Measurements Co., c/o Pivan Engineering, Chicago</td>
<td>5,509.16</td>
</tr>
<tr>
<td>One plug-in frequency range module</td>
<td>Coordinated Science Laboratory</td>
<td>The Technical Material Corp., Mamaroneck, N.Y.</td>
<td>6,714.96</td>
</tr>
<tr>
<td>One plug-in function module</td>
<td>Digital Computer Laboratory</td>
<td>Radio Corp. of America, Chicago</td>
<td>4,217.50</td>
</tr>
<tr>
<td>Two linear power amplifiers</td>
<td>Digital Computer Laboratory</td>
<td>Hardinge Brothers, Inc., Chicago</td>
<td>7,072.00</td>
</tr>
<tr>
<td>350 special transistors, Federal No. 2N215</td>
<td>Digital Computer Laboratory</td>
<td>Hughes Aircraft Co., Chicago</td>
<td>56,200.00</td>
</tr>
<tr>
<td>350 special transistors, Federal No. 2N1485</td>
<td>Digital Computer Laboratory</td>
<td>Microdiodes</td>
<td></td>
</tr>
<tr>
<td>One lathe, high precision, complete with collets and accessories to be used by the Digital Computer Laboratory for research in integrated circuits</td>
<td>Digital Computer Laboratory</td>
<td>Motorola Semiconductor Products, Inc., Chicago</td>
<td>40,750.00</td>
</tr>
<tr>
<td>200,000 microdiodes</td>
<td>Digital Computer Laboratory</td>
<td>Transistors</td>
<td></td>
</tr>
<tr>
<td>25,000 high-speed transistors</td>
<td>Digital Computer Laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30,000 medium-speed transistors</td>
<td>Digital Computer Laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One milling machine, horizontal universal, with complete set of collets and accessories to be used by Digital Computer Laboratory in machining of components for integrated circuits</td>
<td>Digital Computer Laboratory</td>
<td>Hardinge Brothers, Inc., Chicago</td>
<td>5,745.25</td>
</tr>
<tr>
<td>123,000 resistors, metal oxide film, ½ watt at 70°C, 2 per cent tolerance, tinned copper leads</td>
<td>Digital Computer Laboratory</td>
<td>Corning Glass Works, Chicago</td>
<td>12,858.00</td>
</tr>
<tr>
<td>1,200 connectors, electronic, 44 contact, taper pin</td>
<td>Digital Computer Laboratory</td>
<td>Methode Electronics, Inc., Chicago</td>
<td>4,380.00</td>
</tr>
<tr>
<td>One jigmill, precision boring and milling machine, 48 in. horizontal travel, table size 35 in. by 48 in., complete with preselected automatic speed changing mechanism for use by the Physics Department in precision jig boring and medium duty precision milling on large surfaces</td>
<td>Physics</td>
<td>Luther &amp; Pedersen, Inc., Chicago</td>
<td>55,570.00</td>
</tr>
<tr>
<td>One oscilloscope dual-trace, 0-50 mc, signal delay feature, sweep range 0.1 microsecond/cm to 5 seconds/cm, 7 nanoseconds rise time</td>
<td>Physics</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>2,585.00</td>
</tr>
<tr>
<td>One scope-cart, portable on rollers</td>
<td>Physics</td>
<td>Indianapolis Machinery Co., Inc., Indianapolis, Ind.</td>
<td>4,350.00</td>
</tr>
<tr>
<td>Rebuild one universal milling machine and rental of a replacement milling machine during the period of rebuilding</td>
<td>Physics-Betatron</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>3,520.00</td>
</tr>
<tr>
<td>One oscilloscope, sampling type</td>
<td>Physics-Betatron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One timing plug-in unit</td>
<td>Physics-Betatron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One dual trace plug-in unit</td>
<td>Physics-Betatron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One scope-cart, mobile</td>
<td>Physics-Betatron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two probes</td>
<td>Physics-Betatron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fifteen modular system power supplies, each self-contained, solid state, providing six independent DC voltages for operating high-speed solid state logic circuits</td>
<td>Physics-Betatron</td>
<td>Edgerton, Germeshausen, &amp; Grier, Inc., Boston, Mass.</td>
<td>18,750.00</td>
</tr>
</tbody>
</table>
### BOARD OF TRUSTEES

[June 17]

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three lots (596 tons total) straw, wheat, and/or oats</td>
<td>Veterinary Clinical Medicine, Dairy Science, Animal Science</td>
<td>Roy E. Rigdon, Ridge Farm</td>
<td>$1,700.00</td>
</tr>
<tr>
<td>General Chemical Stores</td>
<td>Mallinckrodt Chemical Works</td>
<td>St. Louis, Mo.</td>
<td>$5,175.00</td>
</tr>
<tr>
<td>11,904 pints acetone reagent grade; 8,488 pints methyl alcohol anhydrous reagent; 6,144 pints chloroform reagent; 10,080 pounds ether, anhydrous reagent in 1 pound cans; 2,160 pounds ether U.S.P. in five-pound cans; 4,608 pints benzene reagent A.C.S.; an estimated one-year supply in the General Chemical Stores to be shipped on a monthly basis in quantities of approximately one-twelfth of the amounts shown</td>
<td>Library</td>
<td>Bro-Dart Industries, Newark, N.J.</td>
<td>$2,670.35</td>
</tr>
<tr>
<td>Fifteen cases, card catalog, fifteen tray, wood, complete with top cornice units and leg base units</td>
<td>Library</td>
<td>Blum's Office Machines, Champaign</td>
<td>$6,170.15</td>
</tr>
<tr>
<td>Thirty-one typewriters, manual, 12 in. carriage, 92 character, including four dead keys</td>
<td>Library</td>
<td>The Buckstaff Co., Oakkosh, Wis.</td>
<td>$17,312.12</td>
</tr>
<tr>
<td>Library furniture and shelving for the Physical Education Library and the Rare Book Room in the seventh addition to the Library as follows: 234 chairs, sixty-one tables, four desks, two counters, miscellaneous library equipment (Group A) Eleven card catalog cases (Group B) Fifty-six ranges of wood shelving (Group C) Seventeen exhibit cases (Group D)</td>
<td>Library</td>
<td>The Franklin-Lee Co., Chicago</td>
<td>$7,600.00</td>
</tr>
<tr>
<td></td>
<td>Library</td>
<td>C. S. Brown &amp; Co., Wauwatosa, Wis.</td>
<td>$14,264.00</td>
</tr>
<tr>
<td></td>
<td>Library</td>
<td>Michaels Art Bronze Co., Covington, Ky.</td>
<td>$8,109.00</td>
</tr>
</tbody>
</table>

(Note: This purchase will be made from both Institutional Funds, $30,948.61, and Appropriated Funds, $16,335.51, for a total of $47,285.12.)

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furniture for student rooms in Orchard Downs: Group 1 600 single beds 200 student desks with trapezoidal tops 235 student desks with rectangular tops</td>
<td>Housing Division</td>
<td>Joerns Furniture Co., Stevens Point, Wis.</td>
<td>$6,066.20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S. Buckman Furniture &amp; Supply, Spring Valley Group 2</td>
<td>$11,524.50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Group 2</td>
<td>$76,530.70</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>1,560 gallons paint, interior, to be used by Housing Division paint crew in maintenance and redecorating jobs in campus housing units maintained by the Housing Division in Urbana</td>
<td>Housing Division</td>
<td>Bacon &amp; Van Buskirk Glass Co., Champaign</td>
<td>$3,831.70</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>Four cash registers, heavy duty, equipped with the following features: change computation buttons for twenty-five cents, fifty cents, and $1.00, six-department totals, one tax total, two cashier totals with individual locks, one non-resetable auditor total, automatic transaction and customer counter, removable change trays and automatic change dispensers; less trade-in of one cash register with change mechanism</td>
<td>Housing Division</td>
<td>The National Cash Register Co., Danville</td>
<td>$11,014.20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Lounge furniture for use in the various lounges and the snack bar of the Illinois Street Residence Halls

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>113 library chairs with arms brushed chrome frames, naugahyde upholstery</td>
<td>Office Supply</td>
<td>S. Buckman Furniture &amp; Supply Co., Chicago</td>
<td>$4,136.96</td>
</tr>
<tr>
<td>2,244 wastebaskets, metal, various sizes and colors, for Office Supply Storeroom stock to meet the anticipated requirements for the buildings under construction at Urbana</td>
<td>Office Supply</td>
<td>Acro-Adroit, Inc., Chicago</td>
<td>$6,161.76</td>
</tr>
<tr>
<td>5,328 ring binders, three-ring, various sizes, for Office Supply Storeroom stock; an estimated ten to twelve months' supply</td>
<td>Office Supply</td>
<td>G &amp; G Film Corp., Champaign</td>
<td>$7,500.00</td>
</tr>
<tr>
<td>Professional services to produce a thirteen and one-half minute sound-on-film color movie, including ten release prints, devoted to the subject of the nature and organization of a modern university library; film to be used to help in recruiting students for careers in librarianship</td>
<td>Office of Public Information</td>
<td>Malloy Lithographing, Inc., Ann Arbor, Mich.</td>
<td>$3,662.00</td>
</tr>
<tr>
<td>Print and bind 1,500 copies of Advances in Neuroendocrinology, by Andrew V. Nalbandov, approximately 540 pages per copy, trim size 6 3/4 in. by 10 in.</td>
<td>University Press</td>
<td>Addressograph-Multigraph Corp., Peoria</td>
<td>$5,565.63</td>
</tr>
<tr>
<td>Furnish and install one duplicator, offset, to accommodate 11 in. by 14 in. stock, equipped with an attachment to permit printing of two colors simultaneously, chain delivery and receiv-</td>
<td>University Press</td>
<td>General Electric Co., St. Louis, Mo.</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>578 chairs, classroom, square metal frame, upholstered seat and back with foam rubber padding, for classrooms in the new Commerce Building</td>
<td>Physical Plant</td>
<td>S. Buckman Furniture &amp; Supply Co., Spring Valley</td>
<td>$11,621.06</td>
</tr>
<tr>
<td>Labor, material, and supervision to install acoustical tile in corridors of Garner and Weston Residence Halls at Urbana</td>
<td>Physical Plant</td>
<td>Harlan E. Moore &amp; Co., Champaign</td>
<td>$10,035.00</td>
</tr>
<tr>
<td>Services of engineer for inspection and supervision of overhaul of turbine-generators and other associated equipment at the Abbott Power Plant, as required for the period July 1, 1964, through June 30, 1965</td>
<td>Physical Plant</td>
<td>General Electric Co., St. Louis, Mo.</td>
<td>$15,000.00</td>
</tr>
<tr>
<td>450 chairs, movable, tablet arm type, for classroom use in the new Commerce Building</td>
<td>Physical Plant</td>
<td>S. Buckman Furniture &amp; Supply Co., Spring Valley</td>
<td>$8,239.50</td>
</tr>
<tr>
<td>Three truckloads (approximately 6,990 gallons) synthetic floor finish to be delivered to the Physical Plant Storeroom, one load to be delivered in July, 1964, with options for one load in October, 1964, and another option for one load for delivery in March, 1965</td>
<td>Physical Plant</td>
<td>Huntington Laboratories, Inc., Decatur</td>
<td>$11,393.70</td>
</tr>
<tr>
<td>282 fixtures, fluorescent, six reflector fixtures, fourteen strip fixtures, and 142 hangers for installation by Physical Plant personnel on Urbana campus</td>
<td>Physical Plant</td>
<td>Graybar Electric Co., Inc., Peoria</td>
<td>$6,984.54</td>
</tr>
</tbody>
</table>

On motion of Mr. Johnston, these purchases were authorized.
## COMPTROLLER'S REPORT OF CONTRACTS

(32) The Comptroller's report of contracts executed during the period May 1 to 31, 1964.

### With Whom

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>The McGraw Wildlife Foundation</td>
<td>Tolerance studies on <em>Tilapia</em> fishes</td>
<td>$1 800</td>
</tr>
<tr>
<td>United States Air Force AF-AFOSR-7-64</td>
<td>Comprehensive study of the theory and circuitry of systems with mind-like behavior</td>
<td>90 658</td>
</tr>
<tr>
<td>United States Air Force AF29(601)-6369</td>
<td>Sands subjected to dynamic and rapid loading to high-stress levels</td>
<td>22 000</td>
</tr>
<tr>
<td>United States Army DA-ARO-D-31-124-G543</td>
<td>Surface and fracture energies of solids</td>
<td>52 045</td>
</tr>
<tr>
<td>United States Navy Nonr-3985(07)</td>
<td>Investigation of photoplasticity techniques and subsequently examine the elasticplastic states of stress and strain of the tip of a crack</td>
<td>24 300</td>
</tr>
</tbody>
</table>

**Total** $190 803

### Leases

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Amount to be Paid by the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allis-Chalmers Manufacturing Co.</td>
<td>Rental of farm machinery: one tractor</td>
<td>$469</td>
</tr>
<tr>
<td>Massey-Ferguson, Inc.</td>
<td>Rental of farm machinery: one No. 6 wagon</td>
<td>20</td>
</tr>
</tbody>
</table>

**Total** $489

### Contract Changes

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Amount to be Paid to the University</th>
<th>Effective Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Aeronautics and Space Administration NaG13-59</td>
<td>Flow-mechanism and heat transfer in separated flows</td>
<td>$90 000</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration NaG376</td>
<td>Underlying processes and techniques of low pressure measurement</td>
<td>101 860</td>
</tr>
<tr>
<td>State of Illinois Department of Conservation</td>
<td>Fisheries research</td>
<td>32 500</td>
</tr>
<tr>
<td>United States Air Force AF19(604)-4940</td>
<td>Analysis of severe thunderstorms</td>
<td>5 995</td>
</tr>
<tr>
<td>United States Air Force AF19(604)-7411</td>
<td>Basic physics of shock wave phenomena</td>
<td>2 287</td>
</tr>
<tr>
<td>United States Army DA-11-022-ORD-1175</td>
<td>Alloys of the transition elements</td>
<td>655</td>
</tr>
<tr>
<td>United States Army DA-11-022-ORD-1987</td>
<td>Electrochemistry of fused salts</td>
<td>349</td>
</tr>
<tr>
<td>United States Army DA-11-022-ORD-2691</td>
<td>Dislocations and point defects</td>
<td>807</td>
</tr>
<tr>
<td>United States Army DA-11-022-ORD-3442</td>
<td>Protection against corrosion</td>
<td>954</td>
</tr>
<tr>
<td>United States Army DA-31-124-ARO-D-65</td>
<td>Dislocations and point defects</td>
<td>35 000</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AF(11-1)-890</td>
<td>Mechanism of radiation-induced addition of tritium to carbon-carbon double bonds</td>
<td>11 000</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-891</td>
<td>Chemical reactions of energetic atoms produced by nuclear recoil or by heterogeneous flash photolysis</td>
<td>21 028</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1016</td>
<td>Pattern recognition and data handling problems arising in the analysis of bubble chamber photographs of high-energy particle events</td>
<td>200 000</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AF(11-1)-1199</td>
<td>Studies of rainout of radioactivity in Illinois</td>
<td>53 000</td>
</tr>
<tr>
<td>United States Atomic Energy Commission AT(11-1)-1204</td>
<td>Physical, chemical, and biological equilibria in natural waters</td>
<td>21 647</td>
</tr>
</tbody>
</table>
UNIVERSITY OF ILLINOIS

With Whom
United States Department of Health, Education, and Welfare
PH 43-62-467
United States Federal Housing Administration
HA(1964) Rh-872
United States Navy
Nobr-88058
United States Navy
Nobr-89229
Total

Purpose
Medical supervision, control, and coordination of clinical evaluation studies in cancer chemotherapy
Factors that influence the quality of site design of multi-family housing projects and investigation of single-family housing
Fatigue studies on plain plate or welded plate specimens
Radiolocation directed toward system problems

Amount to be Paid to the University
$ 7,535
23,227
56,000
200,102

April 14, 1964
April 22, 1964
March 25, 1964
May 4, 1964

Adjustments Made in 1963-64 Cost-Plus Contracts

With Whom
George S. Grimmett & Co.
(Plastering)

Purpose
Twenty-one items: $305.86 deduct to $825.00

Amount
$ 2,833

Date
April and May, 1964

Summary
Amount to be paid to the University ...........................................
$1,054,749

Amount to be paid by the University ...........................................
3,322

This report was received for record.

REPORT OF THE EXECUTIVE COMMITTEE

The Executive Committee submits the following report:

Meeting of the Executive Committee of the Board of Trustees of the University of Illinois
June 1, 1964

On call of the Chairman, and pursuant to due notice, a meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held in the offices of Skidmore, Owings, and Merrill, Architects, 30 West Monroe Street, Chicago, Illinois, on Monday, June 1, 1964, beginning at 4:00 p.m.

The following, constituting all members of the Committee, were present: Mr. Howard W. Clement, Chairman, Mr. Wayne A. Johnston, Mrs. Frances B. Watkins.

Also present were, from the University: Mr. Earl M. Hughes of the Board of Trustees, President David D. Henry, Vice-president and Comptroller H. O. Farber, Mr. C. S. Havens, Director of the Physical Plant, Mr. James E. Osborn, Business Manager for the Chicago Colleges, Mr. J. Fred Knight, Purchasing Agent at the Chicago Undergraduate Division, Mr. James J. Costello, Legal Counsel, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, and Mr. A. J. Janata, Secretary of the Board and Clerk of the Committee; and from the firm of Skidmore, Owings, and Merrill: Mr. Walter A. Netsch, Jr., Mr. Fred W. Kraft, and Mr. Ralph Youngren.

The purpose of the meeting was to consider recommendations for the purchase of classroom and lecture room seating and tables for the buildings under construction at Chicago Circle. Mr. Farber and Mr. Havens made introductory statements concerning the bids taken on the classroom and lecture room furniture. A tabulation of the proposals received was distributed to the members of the Committee and a copy was filed with the Clerk of the Committee for the record.

The bid proposals were on three groups of equipment: (A) classroom seating, (B) lecture room seating, and (C) lecture center tables. Mr. Netsch and Mr. Youngren presented the recommendations of Skidmore, Owings, and Merrill and exhibited samples of all of the items of equipment on which bids were received.

The Executive Committee acted separately on each group.

On motion of Mrs. Watkins, the Committee voted to authorize the purchase of the classroom seating from the General Fireproofing Company, Youngstown, Ohio, and Chicago, Illinois, at a total price of $91,357.48.

On motion of Mr. Johnston, the Committee voted to authorize the purchase of lecture room seating from Herman Miller, Inc., Zeeland, Michigan, and Chicago, Illinois, for a total price of $126,530.70.
On motion of Mr. Johnston, the Committee voted to authorize the purchase of the continuous lecture center tables from Herman Miller, Inc., at a price of $7,680. These actions were taken by votes of record as follows: Aye, Mr. Clement, Mr. Johnston, Mrs. Watkins, no, none; absent, none.

The Committee adjourned.

WAYNE A. JOHNSTON
FRANCES B. WATKINS
HOWARD W. CLEMENT, Chairman

INVESTMENT REPORT
Report of the Finance Committee
(33) The Finance Committee reported the following changes in investments of endowment funds for the month of April, 1964:

Cole Living Trust
Sale
$ 2 000 State of California 3 per cent 11/1/85 $ 1 785 80
2 000 New York City 3.60 7/1/80 1 946 00
2 000 Spokane S/D 81 3 1/1/85-72 1 796 80
Purchase
$ 4 000 Federal Land Bank 4⅞ per cent 2/20/78-73 $ 3 955 00
110 shares Pacific Gas & Electric 6 per cent 1st Pfd 3 478 75
Dickerson
Sale
276 rights American Telephone and Telegraph $ 575 80
Purchase
6 shares American Telephone and Telegraph comm. $ 600 00
Garner
Sale
6/10 share Royal Dutch Petroleum (20-G) $ 25 20
Ceramic-Metal Reactions
Sale
500 shares Avnet Electronics Corporation common $ 8 250 08
Pool
Sale
1 right American Telephone and Telegraph $ 1 96
Purchase
$ 8 000 U. S. Treasury bonds 4 per cent 2/15/80 $ 7 860 00
46 shares American Telephone and Telegraph comm. 4 600 00

Report of the Comptroller
The Comptroller reports the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

Current Funds
Restricted Group (June 20, 1962)
Purchase
$ 300 000 U. S. Treasury bills 7/30/64 $ 297 018 67
1 000 000 First National C/D* 9/29/64 1 000 000 00
100 000 U. S. Treasury bills 9/30/64 98 284 42
500 000 Montgomery Ward Credit notes 10/15/64 489 881 94
1 000 000 First National C/D* 10/30/64 1 000 000 00
Construction Funds
Assembly Hall (June 23, 1959, and March 17, 1962)
Purchase
$ 50 000 U. S. Treasury bills 8/13/64 $ 49 424 75
*Certificates of Deposit of the First National Bank of Chicago.
Purchase

$295,000 U.S. Treasury bills 5/14/64 $294,208.66
$306,000 U.S. Treasury bills 6/18/64 $304,155.84

Purchase

$125,000 U.S. Treasury bills 7/23/64 $123,913.06

Purchase

$200,000 U.S. Treasury bills 5/14/64 $199,297.00
$215,000 U.S. Treasury bills 6/18/64 $213,512.20
$220,000 U.S. Treasury bills 7/15/64 $217,870.40
$220,000 U.S. Treasury bills 8/13/64 $217,237.04
$220,000 U.S. Treasury bills 9/17/64 $216,384.12
$150,000 U.S. Treasury bills 10/15/64 $147,239.75
$220,000 U.S. Treasury bills 10/31/64 $215,367.29
$200,000 U.S. Treasury bills 11/30/64 $195,141.50
$185,000 U.S. Treasury bills 12/31/64 $179,918.05
$220,000 U.S. Treasury bills 1/31/65 $169,596.68
$150,000 U.S. Treasury bills 2/28/65 $144,919.83
$565,000 U.S. Treasury notes 3½ per cent 5/15/65 $564,293.75
$1,071,000 U.S. Treasury notes 3½ per cent 8/13/65 $1,067,987.81

Purchase

$80,000 U.S. Treasury bills 6/18/64 $79,539.82

Purchase

$65,000 U.S. Treasury bills 7/16/64 $64,437.75

Purchase

$53,000 U.S. Treasury bills 7/16/64 $52,541.55

Purchase

$58,000 U.S. Treasury bills 6/18/64 $57,669.37

Sinking Funds

Purchase

$1,000 U.S. Treasury bills 2/28/65 $968.21

Purchase

$74,000 U.S. Treasury bills 9/17/64 $72,804.53
$74,000 U.S. Treasury bills 2/28/65 $72,520.59
$72,000 U.S. Treasury notes 3½ per cent 8/13/65 $71,820.00

On motion of Mr. Williamson, this report was received for record, and the Committee's actions were confirmed.

NUCLEAR ENGINEERING LABORATORY

(35) With the approval of the Committee on Buildings and Grounds, the former Metallurgy Laboratory adjacent to the Ceramics Building which has been assigned to the nuclear engineering program has been renamed Nuclear Engineering Laboratory and this matter is being reported for record.

This report was received for record.

NAMING OF RESIDENCE HALLS

(36) The Housing Division recommends the following names for the Illinois Street Residence Halls and the Graduate Student Residence Halls on Green Street:
Illinois Street Residence Halls, Women’s Building — Ruth A. Wardall Hall. Ruth A. Wardall, 1877-1936; Professor and Head of the Department of Home Economics, 1921-36.

Ruth A. Wardall was born July 28, 1877, at Tolono, Illinois. She was an Alumna of the University of Illinois, receiving the degrees of Bachelor of Arts in 1903 and Master of Arts (in Home Economics) in 1907. She served as Professor and Head of the Department of Home Economics at the University of Illinois from September, 1921, until April, 1936, when she resigned because of ill health. She died in July, 1936.

Prior to coming to Illinois, Miss Wardall had served as Head of the Departments of Home Economics at South Dakota State College, Ohio State University, and at the State University of Iowa. She achieved national recognition in her work as a teacher of home economics and as an administrator. She is especially remembered for her high ideals, her fine professional and personal character, and her loyalty to the University.

Illinois Street Residence Halls, Men’s Building — Edgar Jerome Townsend Hall. Edgar Jerome Townsend, 1865-1955; Professor and Head of the Department of Mathematics, 1905-29; Dean of the former College of Science, 1905-13.

Edgar J. Townsend was born February 2, 1865, in Litchfield, Michigan. He graduated from Albion College with the degree of Bachelor of Philosophy in 1890 and received the degree of Master of Philosophy from the University of Michigan in 1891. Nine years later he received the degree of Doctor of Philosophy from the University of Göttingen.

Dr. Townsend joined the faculty of the University of Illinois as Assistant Professor of Mathematics in 1893. In 1895 he became an Associate Professor and Professor in 1905. He served as Head of the Department of Mathematics from 1905 until he retired in 1929. During the period 1905-13 he was also Dean of the former College of Science and at various times served for short periods as Acting President of the University during absences of President Edmund J. James.

His life at Illinois started during the period when John Milton Gregory, the retired first Regent of the University, was still living and ended shortly before the present President of the University began his administration. Professor Townsend died July 8, 1955.

Graduate Student Residence Halls — Arthur Hill Daniels Hall. Arthur Hill Daniels, 1865-1940; Professor of Philosophy, 1899-1934; Dean of the Graduate School, 1919-33; Acting President, 1933-34.

Arthur H. Daniels was born in East Medway (now Millis), Massachusetts, October 19, 1865. He graduated from Olivet College, Michigan in 1887 with the degree of Bachelor of Arts and received the degrees of Bachelor of Divinity from Yale University in 1890 and of Doctor of Philosophy from Clark University in 1893.

He came to the University of Illinois in 1893 as an Instructor in Philosophy, became an Assistant Professor in 1895 and Professor in 1899. He was Head of the Department of Philosophy for many years. His other administrative duties included those of Acting Dean of the College of Liberal Arts and Sciences for four different periods; Assistant Dean and Acting Dean of the Graduate School; and from 1921-1933, Dean of the Graduate School. He served as Acting President of the University for one year from July, 1933 and retired in 1934. He died in April, 1940, leaving a record of distinguished and dedicated service to the University of Illinois.

The recommendations of the Housing Division are supported by the departments concerned, viz., Home Economics, Mathematics, and the Graduate College. As is customary, the Executive Committee of the University Council has also been consulted, and concurs.

I recommend approval.

Mr. Pogue reported that the Committee on Buildings and Grounds had reviewed these recommendations and supports them.

On motion of Mr. Pogue, the recommendations were approved.

Names of Buildings at Chicago Circle

(37) The Vice-President for the Chicago Undergraduate Division and his Aca-
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demic Advisory Committee recommend that buildings under construction at Chi
cago Circle be named as follows:

Classroom Buildings — Abraham Lincoln, Stephen A. Douglas, Lorado Taft,
Daniel Burnham, Jane Addams, Ulysses S. Grant, and Thomas Jefferson. Func-
tional names are not feasible since these buildings all serve the same purpose. The
names have been selected from a long list of statesmen and contributors to the arts
and to social progress identified with the history of Illinois and of Chicago.

Administration and Staff Building — University Hall
Lecture Center — Lecture Center
Illini Union — Illini Union
Engineering and Science Laboratories — Science and Engineering Laboratories

I recommend approval.

Mr. Pogue reported that the Committee on Buildings and Grounds
had reviewed these recommendations and supports them.

On motion of Mr. Swain, the recommendations were approved.

MEMORIAL TO FRANCES MYERS BAUER

Mr. Swain read the following and moved its adoption:

Resolution

WHEREAS, since the last meeting of the Board of Trustees of the University
of Illinois, Fran Myers Bauer who has covered the meetings of the Board for her
newspaper, The News-Gazette, has passed on; and

WHEREAS, her record shows that she was a great friend of the University and
a dedicated newspaper woman over many years and one who has ably reported
our proceedings for approximately forty years;

Now Therefore Be It Resolved in recognition of her contribution to our great
University and her great interest in the University of Illinois, we, the Board of
Trustees, hereby express our deep sorrow upon her passing as she will be greatly
missed by all of us.

This resolution was unanimously adopted.

DEGREES CONFERRED IN JUNE, 1964

The Secretary presented for record the following lists of degrees con-
ferred on candidates at the Medical Center campus on June 11, 1964,
and on the other dates indicated, and on candidates at the Urbana-
Champaign campus on June 13, 1964, in accordance with the authoriza-
tion of the Board of Trustees.

Summary

Honorary Degrees, conferred at Urbana:
Doctor of Fine Arts .................................................. 1
Doctor of Music ..................................................... 1
Doctor of Science .................................................... 1
Total, Honorary Degrees ........................................ (3)

Degrees in the Graduate College, conferred at Urbana:
Doctor of Philosophy ................................................ 162
Doctor of Education ................................................. 20
Doctor of Musical Arts ............................................ 1
Master of Arts ....................................................... 146
Master of Science ................................................... 390
Master of Music ..................................................... 10
Master of Education ................................................. 107
Master of Social Work .............................................. 44
Master of Fine Arts .................................................. 8
Master of Laws ........................................................ 1
Master of Architecture .............................................. 7
Master of Accounting Science ................................. 19
Master of Business Administration ............................. 17
**Degrees in Law, conferred at Urbana:**
- Bachelor of Laws .................................................. 59

**Degrees in Veterinary Medicine, conferred at Urbana:**
- Bachelor of Science .................................................. 41
- Doctor of Veterinary Medicine ..................................... 39

**Baccalaureate Degrees, conferred at Urbana:**
- Bachelor of Science, College of Agriculture .................... 211
- Bachelor of Science, College of Engineering .................... 365
- Bachelor of Arts, College of Liberal Arts and Sciences .......... 634
- Bachelor of Science, College of Liberal Arts and Sciences ....... 316
- Bachelor of Science, College of Education .......................... 219
- Bachelor of Science, College of Commerce and Business Administration .......... 289
- Bachelor of Science, College of Journalism and Communications .... 69
- Bachelor of Architecture, College of Fine and Applied Arts ...... 62
- Bachelor of Fine Arts, College of Fine and Applied Arts ........ 59
- Bachelor of Music, College of Fine and Applied Arts .......... 3
- Bachelor of Science, College of Fine and Applied Arts .......... 30
- Bachelor of Arts, College of Physical Education .................. 1
- Bachelor of Science, College of Physical Education ............. 62

**Total, Baccalaureate Degrees:** .................................... (2,365)

**Total, Degrees Conferred at Urbana:** .............................. (3,462)

**Honorary Degrees, conferred at Chicago:**
- Doctor of Arts .................................................. 1

**Degrees in the Graduate College, conferred at Chicago:**
- Doctor of Philosophy .................................................. 15
- Master of Science .................................................. 38

**Total, Graduate College** ........................................... (53)

**Degrees in Dentistry, conferred at Chicago:**
- Bachelor of Science .................................................. 50
- Doctor of Dental Surgery ............................................ 83

**Total, Dentistry** .................................................. (133)

**Degrees in Medicine, conferred at Chicago:**
- Bachelor of Science in Occupational Therapy ....................... 14
- Doctor of Medicine .................................................. 182

**Total, Medicine** .................................................. (196)

**Degrees in Nursing, conferred at Chicago:**
- Bachelor of Science .................................................. 42

**Degrees in Pharmacy, conferred at Chicago:**
- Bachelor of Science .................................................. 48

**Total, Degrees Conferred at Chicago** ................................ (473)

**Total, Urbana and Chicago** ......................................... (3,935)

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**Degrees Conferred at Urbana**

**HONORARY DEGREES**

**Degree of Doctor of Music**

MARIAN ANDERSON, D.Mus., D.F.A.
UNIVERSITY OF ILLINOIS

Degree of Doctor of Fine Arts

LUDWIG MIÈS VAN DER ROHE, D.Eng., LL.D.

Degree of Doctor of Science

WILLIAM ALBERT NOYES, JR., D.è.s. Sc., Doctorat Honoris Causa, University of Paris; D.Sc.

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Accountancy

ARTHUR DAVID KARLIN, B.S., New York University, 1961; M.S., 1962

In Agricultural Economics

DARREL A. NASH, B.S., Colorado State University, 1958; M.S., Montana State College, 1960

In Agronomy

HARRY LEE MOTTO, B.S., Purdue University, 1957; M.S., 1959
EUGENE GLEN SIEMER, B.S., M.S., Colorado State University, 1950, 1961
WILLIAM JOEL STARNES, B.S., Purdue University, 1958
FRANK DUANE WHISLER, B.S., M.S., West Virginia University, 1957, 1958

In Animal Science

RIEMOND HENRY RIPPEL, JR., B.S., M.S., Southern Illinois University, 1959, 1960

In Biophysics

DANIEL RUBINSTEIN, B.S., M.S., 1958, 1960
RONALD JOSEPH SWALLOW, B.S., 1956

In Botany

MARGARET KAIN BALBACH, A.B., Emmanuel College, 1946; A.M., Radcliffe College, 1950
DONALD ALVIN LEVIN, B.S., M.S., 1960, 1962
THOMAS NORWOOD TAYLOR, A.B., Miami University, 1960

In Business

SHAWKI HUSSIEN ABDALLAH, B.Com., M.Com., Cairo University, 1952, 1958
SAHIB MOHAMED ABDELLA, B.Com., Cairo University, 1957; M.S., 1962
NAZIR AHMAD ANSARI, B.Com., M.Com., Banaras Hindu University, 1955, 1957
JACK CRAIG ROUTSON, B.S., M.S., University of Colorado, 1947, 1948
DANIEL ALAN WREN, B.S., M.S., University of Missouri, 1954, 1960

In Ceramic Engineering

JAMES FREDERICK BENZEL, B.Cer.E., Georgia Institute of Technology, 1957; M.S., 1963
CHARLES KRUMBACH RUSSELL, B.S., M.S., 1951, 1953

In Chemical Engineering

RICHARD BERT AUST, B.S., Carnegie Institute of Technology, 1960; M.S., 1962
LEONARD SELWYN COHEN, B.S., Tufts University, 1957; M.S., Massachusetts Institute of Technology, 1959
RICHARD LARRY MERSON, B.S., University of California (Berkeley), 1960; M.S., 1962

In Chemistry

SONIA RUTH ANDERSON, B.S., University of Nebraska, 1961
GILBERT WITTEN BURTON, B.S., University of California (Berkeley), 1958
SHIRLEY SHAO-LING CHEN, B.S., National Taiwan University, 1960; M.S., Ohio University, 1961
MELVIN LEE FARMER, A.B., Harvard College, 1960
WILLARD WAYNE HARRISON, A.B., A.M., Southern Illinois University, 1958, 1960
WARREN WOOD LANIER, JR., B.S., University of Georgia, 1959; M.S., 1961
Thomson Melville Latta, A.B., Princeton University, 1960; M.S., 1962
Brian Russ O’Connor, B.S., Massachusetts Institute of Technology, 1960
Alan Newton Scott, B.Mus., A.B., Northwestern University, 1951, 1958; M.S.,
1962
Allan Rudolph Stein, B.S., University of Alberta, 1960
Jacob John Uebel, A.B., Carthage College, 1959; M.S., 1961
Jack Alan Winstead, B.S., University of Kentucky, 1954; M.S., Oklahoma State
University, 1959

In Civil Engineering
Amos Atlas, B.S., Ingenieur, Technion, Israel Institute of Technology, 1951, 1952;
M.S., 1958
Ronald Eugene Bucknam, A.B., B.S., Tufts University, 1958, 1959; M.S., 1960
Jorge Isaac Bustamante, Civil Engineer, National Autonomous University of
Mexico, 1956; M.S., 1957
Bernard Anthony Donnellan, B.E., University College (Dublin), 1955; M.S.,
University of Alberta, 1959
Stewart Willard Johnson, B.S., South Dakota State College, 1956; A.B., Uni-
versity of Maryland, 1961; M.S., 1962
Vangalampalayam Chellappagounder Kulandaiswamy, B.Eng., Andhra Uni-
versity, 1951; M.Tech., Indian Institute of Technology, 1956
Walter Parker Moore, Jr., A.B., B.S., Rice Institute, 1959, 1960; M.S., 1962
Sundaresa Ramaseshan, B.Eng., University of Madras, 1957; M.S., 1961
Dennis Henry Saip, B.S., M.S., 1955, 1959
Donald Roy Sherman, B.S., M.S., Case Institute of Technology, 1957, 1960

In Communications
Herbert Goodrich, B.S., City College of New York, 1948; A.M., Pennsylvania
State University, 1950
Thomas Henry Guback, A.B., Rutgers, the State University, 1958; M.S., 1959

In Dairy Science
Evan Earl Jones, B.S., Colorado State University, 1960; M.S., 1962
Frank Alwin Verley, B.S., University of Connecticut, 1959; M.S., 1960

In Economics
George Franklin Currie, A.B., Wilberforce University, 1949; A.M., 1951
Warren Clayton Hall, Jr., B.S., A.M., University of Missouri, 1954, 1955
Wayne James Larson, Ph.B., A.M., University of North Dakota, 1955, 1956
Eugene Albert Philippus, B.S., M.S., 1958, 1960
Larry Gene Sontz, A.B., College of Wooster, 1958; A.M., 1961
Fa-Chun Shen, LL.B., National Wu-Han University, 1944; A.M., University of
California (Los Angeles), 1951
Thomas Martin Stevenson, Jr., A.B., A.M., Southern Illinois University, 1956,
1959

In Education
George Brander, Jr., A.B., Yale University, 1948; M.S., 1953
Kazutaka Furuhata, A.B., A.M., University of Tokyo, 1954, 1956
William Thomas Hale, A.B., Bates College, 1953; Ed.M., 1954
Sayed Ahmed Osman, A.B., Cairo University, 1952; M.S., 1961
Paul Liming Schwada, B.S., Northeast Missouri State Teachers College, 1938;
Th.B., Olivet Nazarene College, 1941; A.M., University of Chicago, 1943

In Electrical Engineering
Herbert Marvin Barnard, B.S., M.S., Texas A & M University, 1955, 1960
Kenneth Edward Batcher, B.S., Iowa State University of Science and Technol-
ogy, 1957; M.S., 1962
Shih-Mei Cheng, B.S., National Taiwan University, 1957; M.S., 1961
James Edward Degenford, B.S., M.S., 1960, 1961
Ralph Richard Hodges, Jr., B.S., M.S., 1955, 1957
In English
RONALD EUGENE BUCKALEW, A.B., College of Wooster, 1957; A.M., 1959
PAULINE SUE DRAWVER, A.B., A.M., University of Oklahoma, 1939, 1940
GEORGE ROBERT GUFFEY, B.S., Bowling Green State University, 1958; A.M., 1960
HELEN ELLIS HAWORTH, A.B., Rollins College, 1949; A.M., 1952
MARY ALICE HEAGARTY, A.B., Seton Hill College, 1958; A.M., 1960
ROBERT CARL JOHNSON, A.B., Monmouth College, 1959; A.M., 1960
RONALD CONANT JOHNSON, A.B., A.M., 1952, 1957
MARGARET CLARE SCHLAEGER, A.B., A.M., 1955, 1957

In Entomology
REINHART ALBERT BRUST, B.S., M.S., University of Manitoba, 1959, 1960
EARL ALFRED STADELBACHER, A.B., Southern Illinois University, 1956

In Food Science
MASANOBU JANADO, B.Agr., Miyazaki University, 1958; M.Agr., Kyoto University, 1960
MURRAY JAYE, B.S.A., University of Georgia, 1959; M.S., 1961

In Geography
JAMES ROBERT MCDONALD, A.B., Antioch College, 1955; A.M., 1956

In Geology
PETER ALEXANDER CARR, A.B., University of Toronto, 1959
REGINALD HUGH GRICE, A.B., A.M., University of Cambridge, 1949, 1954
SAMUEL SHEH-SHUE LEUNG, B.S., National Taiwan University, 1957; M.S., 1960
WILLIAM ALLISON MENLEY, B.Eng., M.S., University of Saskatchewan, 1956, 1960
JAMES HERBERT SHEA, B.S., M.S., University of Wisconsin, 1958, 1960

In History
DAVID ROGER WRONE, B.S., A.M., 1958, 1959

In Horticulture
NAH H. ÖZEROL, Agr. Engr., Ankara University, 1956; M.S., 1960

In Library Science
MOHAMED MOHAMED EL-HADI, A.B., Cairo University, 1957; M.S., 1960
LAUREL ANN GROTZINGER, A.B., Carleton College, 1957; M.S., 1958
JESSIE CARNEY SMITH, B.S., Agricultural and Technical College of North Carolina, 1950; A.M., Michigan State University, 1956; A.M., George Peabody College for Teachers, 1957

In Mathematics
EDWARD STUART EBY, B.S., M.S., 1956, 1957
STANLEY PHILLIP GODDER, B.S., Washington University, 1958; M.S., 1960
ANN HARRIS THRUG, A.B., A.M., 1960, 1960
JINGYAL FUK, B.S., Kent State University, 1956; M.S., 1959
JAMES FREDERICK PHelan, B.S., United States Naval Academy, 1940; M.S., 1950
LENA CHANG PFW, B.S., M.S., 1958, 1960
ALLAN STANLEY REHM, B.S., M.S., 1958, 1959
KEITH AYLWIN ROWE, A.B., University of Toronto, 1953; M.S., University of Wisconsin, 1956
WILSON EUGENE SINGLETON, B.S., Black Hills Teachers College, 1952; M.S., Oklahoma State University, 1960

In Mechanical Engineering
MEHDI NEJAD BAHADORI, Diploma, Teheran University, 1956; M.S., University of Wisconsin, 1959
DANIEL GENE BARR, B.S., M.S., 1959, 1961
JOHN OTTO BECKER, B.S., M.S., 1960, 1961
CHEN FAN, B.S., National Taiwan University, 1954; M.S., 1958
STEPHAN ANTHONY KONZ, B.S., M.B.A., University of Michigan, 1956, 1956; M.S., State University of Iowa, 1960
JUIN SHENG YU, B.S., National Taiwan University, 1957; M.S., Kansas State University, 1961

In Metallurgical Engineering

In Microbiology
PETER KARL HOLMES, A.B., Bowdoin College, 1956; A.M., Wesleyan University, 1958

In Mining Engineering
ROBERT WALTER HEINS, B.S., M.S., University of Missouri School of Mines and Metallurgy, 1949, 1950
GIUSEPPE ENRICO RATTI, Doctor in Mining Engineering, Polytechnical School of Turin, 1959

In Nuclear Engineering
ROBERT LOUIS HIRSCH, B.S., 1958; M.S.E., University of Michigan, 1959

In Physical Education
FLORENCE PATRICIA CULLEN, B.S., Illinois State University at Normal, 1945; A.M., State University of Iowa, 1954
BRUCE JACK NOBLE, B.S., A.M., Michigan State University, 1956, 1957
JOHN TALBOT POWELL, Diploma, Loughborough Training College, 1948; M.S., 1957
KARL GEORGE STOEDEFAELKE, B.S., M.S., University of Wisconsin, 1952, 1956

In Physics
DAVID CHARLES AILION, A.B., Oberlin College, 1956; M.S., 1958
FRANK ANDREW FRANZ, B.S., Lafayette College, 1959; M.S., 1961
DAVID WALTER HAFEMEISTER, B.S., Northwestern University, 1957; M.S., 1960
KAY KEIJI KANAZAWA, B.S., University of California (Los Angeles), 1957; M.S., 1959
HERBERT WAYNE KUEHNE, B.S., M.S., 1954, 1956
DAVID NIEMAN PIPKORN, B.S.E., Princeton University, 1958; M.S., 1960
JAMES DAVID SIMPSON, B.S., Massachusetts Institute of Technology, 1959; M.S., 1961
NELSON STEIN, B.S., City College of New York, 1957; M.S., 1958
WAYNE EARL TEFFT, A.B., University of Kansas, 1956; M.S., 1958
TAEK-DOON YOON, B.S., M.S., Seoul National University, 1953, 1955; M.S., Southern Illinois University, 1956

In Physiology
EDWARD JOSEPH DEVILLEZ, B.S., Xavier University, 1959; M.S., University of Miami, 1961
MARSHALL GENE ELZINGA, A.B., Hope College, 1960; M.S., 1963

In Plant Pathology
DAVID SERGE WYSONG, B.S., M.S., Colorado State University, 1959, 1961

In Political Science
ALVIN DAVID SOKOLOW, B.S., A.M., 1956, 1958
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In Psychology

JOHN EDWARD HUNTER, B.S., University of New Mexico, 1961; A.M., 1963
GERALDINE JOAN KOMOSA PIORKOWSKI, B.S., A.M., 1958, 1961
PETER HANS SCHÖNEMANN, Vordiplom, University of Munich, 1956; Hauptdiplom, University of Gottingen, 1959
JOHN HENRY THOMPSON, A.B., Fresno State College, 1960

In Sanitary Engineering

NILAY CHAUDHURI, B.Eng., University of Calcutta, 1953; M.Eng., Jadavpur University, 1961
CALVIN PO CHUEN POON, B.S., National Taiwan University, 1958; M.S., University of Missouri, 1960

In Sociology

BRUCE KENT ECKLAND, B.S., A.M., 1957, 1960

In Spanish

MARION PERRY HOLT, A.B., Wofford College, 1949; A.M., Vanderbilt University, 1950

In Speech

TURNER WILSON EDGE, A.B., University of Delaware, 1955; A.M., Cornell University, 1957
GEORGE ALBIN REMINGTON, A.B., A.M., 1946, 1952
HADDON WILLIAM ROBINSON, A.B., Bob Jones University, 1951; M.Th., Dallas Theological Seminary, 1955; A.M., Southern Methodist University, 1960

In Theoretical and Applied Mechanics

WILLIAM BENJAMIN BICKFORD, B.S., M.S., Kansas State University, 1960, 1961
RONALD BERT CARR, B.S., Oregon State University, 1960; M.S., Virginia Polytechnic Institute, 1963
ROBERT MILLARD JONES, B.S., M.S., 1960, 1961
JOHN ALGIMANTAS KASUBA, B.S., Rutgers, the State University, 1960; M.S., 1961
ALPHIA EUGENE KNAPP, B.S., M.S., Kansas State University, 1951, 1961
VERNE LOUIS ROBERTS, B.S., University of Kansas, 1960; M.S., 1961
GEORGE EARL SLIFTER, B.C.E., Manhattan College, 1960; M.S., 1962
GEORGE TAKASHI TAOKA, B.S., Oregon State College, 1958; M.S., 1960
DALE BRUCE Taulbee, B.S., M.S., Michigan State University, 1958, 1960

In Veterinary Medical Science

EDWIN IVAN PILCHARD, D.V.M., Michigan State University, 1947; M.S., 1959

In Zoology

JACQUES BERGER, B.S., Pennsylvania State University, 1955; M.S., 1958

Degree of Doctor of Education

In Education

DONALD WAYNE BUCKFORD, B.S., Western Illinois University, 1946; Ed.M., 1953
DAVID FRANKLIN BYRNE, B.S., M.S., 1948, 1949
JAMES DUDLEY, A.B., M.S., Southern Illinois University, 1951, 1957
ROBERT L. EVANS, B.S., Northern Illinois University, 1950; M.S., 1951
DALE G. HARDMAN, B.S., Brigham Young University, 1943; A.M., University of Chicago, 1951
ROBERT LEE JOZWIAK, B.S., Miami University, 1953; Ed.M., 1957
WILLIAM MATTHIAS, JR., A.B., Eureka College, 1950; Ed.M., 1952
CAROLYN MAE NEAL, A.B., A.M., San Francisco State College, 1951, 1960
ROBERT ANDREW PRINGLE, A.B., Lake Forest College, 1950; A.M., 1955
GEORGE WESLEY PRUITT, B.S., University of Missouri, 1955; Ed.M., 1958
MICHAEL EDWARD SESTAK, B.S., M.S., Western Illinois University, 1952, 1953
RONALD WILLIAM SIMCOX, A.B., Aurora College, 1956; Ed.M., Miami University, 1959
ARTHUR ROBERT WILLIAMSON, B.Ed., Keen Teachers College (New Hampshire), 1951; A.M., Ball State Teachers College (Indiana), 1957

In Music Education
WAYNE ORION AURAND, A.B., State College of Iowa, 1948; M.Mus., University of Michigan, 1949
WILLIAM VERNON ESTES, A.B., George Pepperdine College, 1951; Ed.M., University of Missouri, 1957
ROBERT FRANCIS KING, Jr., B.S., Ohio State University, 1945; M.Mus., Eastman School of Music, 1950
THOMAS ELBERT NEICE, B.S., Western Illinois University, 1950; M.S., 1958
WARREN HENRY SCHUETZ, B.S., M.S., 1948, 1949
ROBERT CLIFFORD SMITH, B.S., M.S., 1952, 1955

Degree of Doctor of Musical Arts
WILLIAM HUNTER HEILES, B.Mus., Oberlin College, 1958; M.Mus., 1961

Degree of Master of Arts

In Anthropology
MARGUERITE MARIE VERLEY, A.B., 1959

In Art Education
SHARON LAPPIN LUMSDEN, B.F.A., 1957

In Art History
VIRGINIA ANN LAMBERT BODINE, B.S., Bradley University, 1962

In Classics
HENRY EUGENE CHARLES, A.B., 1960
PHILIP CLARENCE DUST, A.B., Saint Mary of the Lake Seminary, 1959; B.S., Eastern Illinois University, 1961

In Economics
ARTHUR EUGENE ABRASSART, B.S., Illinois Institute of Technology, 1963
KEITH HERBERT JOHNSON, B.S., 1963
CHARLES RANDOLPH WILLIAMS, A.B., Southern University, 1961

In Education
DANIEL CHARLES EIERDAM, A.B., 1959
NUANPEN KOSOLSRETH, A.B., Chulalongkorn University (Thailand), 1954; Ed.M., College of Education (Bangkok), 1960
GEORGE WILLIAM KRIEGER, A.B., City College of New York, 1961
MARCIA GERRIB WEBER, A.B., 1961

In English
LESLIE EDWARD BURNS, A.B., University of Chicago, 1962
VIKTORS GEISLERS, A.B., Illinois Wesleyan University, 1962
MARIE CHRISTINE HENNEDY, B.S., St. John's University, 1962
MICHAEL ANDREW HOLLINGTON, A.B., University of Cambridge, 1963
PETER LEONHARD JOHNSON, A.B., 1963
ALBERT DAVID LAW, Jr., A.B., Wayne State University, 1962
LINDA PRITCHARD, A.B., University College of Wales, 1963
GAIL ANN THOMAS REEVE, B.S., Illinois State University at Normal, 1961
LEON FRANCIS SELTZER, A.B., Temple University, 1962
SERMCHIT SINHASENI, A.B., A.M., Chulalongkorn University (Thailand), 1955, 1959
NAOMI SUCONICK, A.B., University of Pennsylvania, 1963
GERALD FRANCIS TIETZ, B.S., 1960
RUTH LOUISE WIDMANN, A.B., University of Wisconsin, 1963

In French
PETER RICHARD CALDWELL, A.B., Washburn University, 1961
ELIZABETH ANN CRABTREE, A.B., 1963
JUDITH ANN DIVER, A.B., Purdue University, 1962
DAVID LEE RUBIN, A.B., University of Tennessee, 1962
ANDREE PELLEGRIN SLACK, A.B., 1963
ANN LUCINDA WALBRIDGE, A.B., Shimer College, 1962
CONSTANCE KAY WOLTER, A.B., Lindenwood College, 1963

In Geography

DAVID MYRON TENNY, A.B., 1962

In German

BARBARA JANE BLOOMER, A.B., St. Olaf College, 1956

In History

VICTOR BAHMET, A.B., 1957
JUDITH HEWETT BEISNER, A.B., Millikin University, 1962
JOHN EDWARD BELL, A.B., Roosevelt University, 1958
NANCY LOU DAWSON, B.S., Kent State University, 1961
RICHARD BLAKE ELROD, A.B., Lincoln University (Missouri), 1963
ROBERT AUGUST JUNGMANN, A.B., Lake Forest College, 1958
ZABULONI KABAZA, A.B., Wheaton College, 1963
THOMAS JAMES KRAL, A.B., Carleton College, 1963
MY CHUONG PHAN, A.B., 1962
THOMAS BURTON RAINBIRD, A.B., University of Florida, 1962
RONALD DEANE RIEFVELD, A.B., Wheaton College (Illinois), 1959; B.D., Bethel Theological Seminary, 1962
MARLON TIMOTHY TUCKER, A.B., David Lipscomb College, 1963
SUCHITA VUTHISATHIRA, A.B., Clark University, 1962
MICHAEL WINTERS WHALON, A.B., Bowdoin College, 1963

In Labor and Industrial Relations

YOZO DOSHO, A.B. in Law (Political Science), A.B. in Law (Public Law), University of Tokyo, 1955, 1957
HENRY WILLIAM HEUNEMANN, A.B., Seton Hall University, 1958
KARL JOHN KLEIN, A.B., Aurora College, 1962
WARREN R. NIELSEN, B.S., University of Utah, 1962
HERBERT THEODORE ROSBY, B.S., Wisconsin State College (Stevens Point), 1961
HOWARD JOSEPH RUNYAN, Jr., A.B., Grinnell College, 1955

In Linguistics

MITZI SUSAN GROPPER, A.B., Harpur College, 1962
RONALD WAYNE LANGACKER, A.B., 1963

In Mathematics

FINIS DUDLEY AKIN, B.S., Memphis State College, 1958
JOSEPH AUSTIN APPLEBAUM, A.B., Columbia University, 1963
SHARON LEE BROWN, B.S., General Beadle State Teachers College, 1955
SIDNEY CLAIR BUFFINGTON, A.B., State College of Iowa, 1960
CHALRES PATRICK COLLORE, B.S., Wisconsin State College (Stevens Point), 1959
STANLEY COTTER, A.B., A.M., University of California (Berkeley), 1956, 1957
RICHARD CUTTS, B.S., Wisconsin State College (Stevens Point), 1960
FRANCIS EDWIN EKDAHL, B.S., Northern Michigan College, 1960
GUS LEE FRANKLIN II, B.S., Eastern Kentucky State College, 1959; M.S., Indiana University, 1960
ROY EVAN GARLAND, B.S., Millersville State College, 1953
SANDRA SISSON GOSSOM, B.S., Murray State College, 1960
GEORGE VINCENT GRIMES, A.B., St. Joseph's College (Pennsylvania), 1955
JEAN HALL, B.S., University of London, 1959
MARIE TEREASE HANK, A.B., St. Mary's College (Indiana), 1962
RICHARD ROMAN HARTMAN, B.A.E., B.S., A.M., University of Minnesota, 1944, 1951, 1961
WILLIAM JOSEPH HERBER, B.S., University of Notre Dame, 1958; M.S., University of Washington, 1959
BOARD OF TRUSTEES

ROBERT WALTER JOHES, B.S., University of Southern Mississippi, 1956
CHARLES HARLAN JOSEPHSON, A.B., Augustana College (South Dakota), 1954
ZAVEN ALBERT KARIAN, A.B., American International College, 1962
MARVIN WILLIAM KARLIN, B.S., University of Arizona, 1953; Ed.M., University of California (Los Angeles), 1955
JONATHAN ELMER KNAUPP, B.S., Oregon State University, 1960
GERALD ADRIAN LEHMANN, B.S., M.A.T., Michigan State University, 1955, 1960
JOHN FRANK LUCAS, B.S., Wisconsin State College (Stevens Point), 1960
RONALD DEAN MOEHLIS, A.B., State College of Iowa, 1959
RICHARD FREDRICK MONNARD, B.S., Illinois State University at Normal, 1960
CECIL PAUL MURRAY, B.S., Pennsylvania State College (California), 1960
NORMAN NEIBUHR NELSON, B.S., Eastern Oregon College, 1959
JAMES PARK PAIGE, A.B., Hastings College, 1960
HARRY CLARENCE ROSENBERG, A.B., A.M., Colorado State College, 1956, 1957
RICHARD LEWIS ROSENBERG, A.B., Rutgers, the State University, 1959
WILLIAM GEORGE ROUGHEAD, JR., B.S., M.S., Illinois State University at Normal, 1958, 1958
SHEILA PHYLLIS RYAN, B.S., Le Moyne College, 1960
SISTER MARY KRYSTIN FELLIN, A.B., Mount St. Scholastica College, 1955
SISTER M. ST. MARGARET PUMPHRET, A.B., Regis College, 1960
ALTON LOYD SMITH, B.S., Middle Tennessee State College, 1958
NEAL RICHARD WAGNER, A.B., University of Kansas, 1962
RICHARD CHARLES WEIMER, B.S., Pennsylvania State College (California), 1960
HOYAL BURNICE WEST, A.B., Berry College, 1955; A.M., George Peabody College for Teachers, 1958
JACK WILLIAM WILKINSON, B.S., Northeast Missouri State Teachers College, 1960
OWEN EDWARD WRZESZCZ, B.S., Northern Illinois University, 1960
JACK WILLIAM WILKINSON, B.S., Northeast Missouri State Teachers College, 1960

In Philosophy

KUANG TIN FAN, A.B., 1961
KEITH EDWARD HALBACH, B.S., Northwestern University, 1962

In Political Science

RICHARD ELLIOT ANDERSON, B.S., 1957
YUNG HO PARK, A.B., Montana State University, 1960

In Psychology

RICHARD ALLEN AVNER, B.S., Georgia Institute of Technology, 1961
ALFRED BRUCE CARLSON, A.B., Vanderbilt University, 1960
DAN DEREN, B.S., Pennsylvania State University, 1960
WILLIAM JOSEPH HIGGS, A.B., University of Nebraska, 1960
RICHARD HENRY MADSEN, JR., A.B., Brigham Young University, 1958
ROBERT BOOTH MCCALL, A.B., DePauw University, 1962
WILLIAM FRANKLIN MCDONALD, B.S., University of Notre Dame, 1958
L. MICHAEL NEWMAN, B.S., Wayne State University, 1962

In Russian

TAMARA PERSIDSKII KULIIKAUSKAS, B.F.A., 1961
PETER FOWLER HOFFINS PRIEST, A.B., 1962
LAURENCE RAYMOND RICHET, A.B., 1963
ANNA TYSOMSENKO, A.B., 1961
KENNETH BERNELL WURZBURGER, A.B., 1962

In Social Sciences

PATRICK EDWARD REA, B.S., 1963
DOUGLAS LLOYD SCHAEPFER, B.S., Northwestern University, 1963

In Sociology

JAMES ROGERS CONRAD, A.B., 1962
BRYAN SIDNEY GREEN, A.B., University of Exeter, 1958
Ermosini Pergioudaki John, A.B., MacMurray College, 1957
Helen Constantine Lambakis, A.B., 1958

In Spanish
Vito Nicholas Benivegna, B.S.S., Fairfield University, 1957
Edward Eros Borsoi, B.S., University of Bridgeport, 1959
German Dario Carrillo Sarmiento, Licenciado, Universidad Pedagogica de Colombia, 1960
Modesto Mario Diaz Hernandez, A.B., Colby College, 1962
Alan Garfinkel, A.B., 1963
Milo Charles Pierce, A.B., Michigan State University, 1958
Ruth Mary Rogers, A.B., University of Kansas, 1962
Jane Urban Taylor, A.B., Northwestern University, 1962
Gail Jeanette Thorstenson, A.B., Monmouth College, 1962
Thomas Washington, Jr., A.B., 1961
Joan Marfan Zonderman, A.B., Rutgers, the State University, 1962

In Speech
George Ann Adams, A.B., Denison University, 1962
Margo Georgia Calamaras, A.B., University of Wisconsin, 1962
Linda Jean Evans, A.B., 1962
Harry Noel Gilbert, A.B., LaVerne College, 1958
Richard Masato Kataoka, A.B., 1962
David Harry Kieserman, A.B., New Jersey State Teachers College (Montclair), 1958
Anthony Eric Lincoln, A.B., Carleton College, 1959
Joan Louise Safran, A.B., Barat College of the Sacred Heart, 1963
Sister Mary Lucille Collins, A.B., St. Xavier College, 1962

In the Teaching of English
Lynn Vitek Baker, A.B., Lake Forest College, 1963

In the Teaching of Social Studies
Howard Martin Bers, A.B., 1963

In the Teaching of Speech
William Ross Atchison, B.S., Pennsylvania State College (Clarion), 1961
Rose Ann Lemak, A.B., Elmhurst College, 1961

Degree of Master of Science

In Accountancy
Oscar Whitfield Broome, Jr., A.B., Duke University, 1962
Talaat Abdel-Rahman El-Shazly, B.Com., Cairo University, 1960
Shashana Herschler Schaar, B.S., Millikin University, 1961
Kenneth Ira Solomon, B.S., 1963
Volker Wittmann, Diploma, Technical University of Darmstadt, 1961

In Advertising
Alan Donald Fletcher, A.B., University of Georgia, 1962
Rogelio Pasimio Olivares, A.B., Ateneo de Manila, 1959
Eleanor Madge Strickland, A.B., University of Georgia, 1963
Philip Harry Wenz, B.S., 1962

In Aeronautical and Astronautical Engineering
Fred Dan Fernandes, B.S., 1963
Ralph Barry Gilbert, B.S., 1962
Thomas James McDaniel, B.S., 1962
Curtis Franklyn Vail, B.S., 1962
William Veljovich, B.S., 1962

In Agricultural Economics
Gottfried Ablasser, Diplom-Ingenieure, University of Vienna, 1962
Carlos Vender-Drogueutt, Ingeniero Agronomo, Pontificia Universidad Catolica de Chile, 1960
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<th>Field</th>
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<th>University</th>
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<td>DOUGLAS LEROY BOSWORTH, B.S., Iowa State University, 1962</td>
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<td>ROSCOE LOUIS PERSHING, B.S., Purdue University, 1962</td>
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<tr>
<td>Agronomy</td>
<td>ANTHONY AKINOLA AGBOOLA, B.S., 1963</td>
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<td>EDWARD JAMES DUNPHY, B.S., 1962</td>
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<td>RALPH JEROME EDWARDS, B.S., 1955</td>
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<td>GERALD KIDDER, B.S., University of Southwestern Louisiana, 1961</td>
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<td>MICHAEL ANTHONY KIRKMAN, B.S., University of Nottingham, 1961</td>
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<td>WILLIAM OLIVER MCLRATH, B.S., 1959</td>
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<td>CLYDE FRANK SMITH, B.S., 1960</td>
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<td>Animal Science</td>
<td>RICHARD LEE HUSTON, B.S., 1961</td>
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<td>ERNEST DURWARD MAYFIELD, Jr., B.S., Southwest Texas State College, 1961</td>
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<td>DONALD LESTER MEYER, B.S., 1961</td>
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<td>VIRGIL MARLOWE ROYSENDALE, B.S., 1957</td>
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<td>GERALD THOMAS SHELING, B.S., 1963</td>
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<tr>
<td>Architectural Engineering</td>
<td>DAVID GLENN CHAMP, B.Arch., 1962</td>
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<td>STUART KALMAN JACOBSON, B.Arch, 1963</td>
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<td>RICHARD GRANVILLE LAXEN, B.Arch., 1963</td>
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<td>JAMES EDWARD SIMON, B.Arch, 1963</td>
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<td>Biology</td>
<td>SANDRA LOU BRESSLER, B.S., Albright College, 1960</td>
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<td>FRANK HILL HEDGES III, B.S., University of Miami, 1962</td>
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<td>SISTER MARION JOHNSON, A.B., St. Francis Xavier College for Women, 1960</td>
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<td>JERROLD HOWARD ZAR, B.S., Northern Illinois University, 1962</td>
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<td>Botany</td>
<td>WILLIAM ROBERT KLESSE, B.S., 1962</td>
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<td>HOWARD HARRISON ROTHMAN, B.S., City College of New York, 1961</td>
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<td>Biophysics</td>
<td>KENNETH ROBERT DOOLEY, B.S., Purdue University, 1961</td>
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<td>DALE BRIAN ENGQUIST, B.S., 1963</td>
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<td>JUDITH ANN REIGHARD, B.S., Otterbein College, 1962</td>
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<td>EDWARD SPENCER WISE, B.S., Virginia Polytechnic Institute, 1936</td>
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<td>Ceramic Engineering</td>
<td>CHARLES MARTIN ASLAKSEN, B.S., 1963</td>
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<td>LAWRENCE LEE MARTIN, B.S., 1963</td>
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<td>JERRY ALLEN MOSEBARGER, B.S., 1963</td>
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<td>WILLIAM HOWARD PAYNE, B.S., 1963</td>
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<td>PAUL JAMES ROEDER, B.S., 1963</td>
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<td>Chemical Engineering</td>
<td>RONALD LEE CLENDENEN, B.S., University of California (Berkeley), 1960</td>
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<td>RICHARD WALLACE LYNCH, B.S., University of California (Berkeley), 1962</td>
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<td>MATTHEW JOHN REILLY, B.S., Carnegie Institute of Technology, 1962</td>
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<td>Chemistry</td>
<td>HERMAN DAVID AXELROD, B.S., University of California (Los Angeles), 1963</td>
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<td>ALLAN CLIFFORD BUCHHOLZ, B.S., University of Massachusetts, 1962</td>
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<td>FU-MING CHEN, B.S., Tonghai University, 1960</td>
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<td>JOSEPH CHARLES DECK, B.S., Duquesne University, 1960</td>
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<td>THOMAS PATRICK Doherty, A.B., Municipal University of Omaha, 1962</td>
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<td>JOE DOUGLAS DRULINE, B.S., University of Arizona, 1962</td>
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</table>
Robert William Green, B.S., University of California (Los Angeles), 1956
Ronald Ervin Hacker, B.S., Indiana University, 1962
Linda Lou Kranch, B.S., Elizabethtown College, 1962
Ronald Frederick Lambert, B.S., Columbia University, 1962
Harold Eugene LeMay, Jr., B.S., Pacific Lutheran College, 1962
Jane Yoshie Miyashiro, A.B., University of Hawaii, 1958; A.M., Radcliffe College, 1959
Bruce Malcolm Monroe, A.B., Wabash College, 1962
James Lee Moore, B.S., University of Washington, 1959
Richard Arthur Muesing, B.S., Mankato State College, 1960
Linda Hard O'Connor, B.S., Bucknell University, 1961
Darryl Keith Reach, B.S., Northern Illinois University, 1963
Marie Louise Robinson, A.B., Albion College, 1963
Carol Ann Rurak, B.S., University of Massachusetts, 1962
Ronald Carl Thorkentson, A.B., Monmouth College, 1962
William LoChridge Wells, B.S., University of Kentucky, 1962

In City Planning

Herbert Raymond Haar, Jr., B.S.C.E., Virginia Polytechnic Institute, 1949
Bir Bal Malik, B.Arch., Indian Institute of Technology, 1958

In Civil Engineering

Gordon Francis Anderson, B.S., University of Alberta, 1962
Don Paul Armstrong, B.S., 1963
Daniel George Barney, B.S., United States Military Academy, 1961
Joseph Anthony Beben, B.S., United States Military Academy, 1957
Charles DeForrest Bigelow, B.S., University of Texas, 1954
Jerry Dee Brand, B.S., 1963
Robert Leon Carter, B.S., University of Nebraska, 1963
Bernard John Casey, A.B., St. Joseph's College (Indiana), 1962; B.S., 1963
Owen Sinclair Cecil III, B.S., Carnegie Institute of Technology, 1963
David Arthur Clarke, B.S., United States Military Academy, 1958
Bruce Mitchell Cowan, B.S., United States Military Academy, 1961
Bo Franklyn Craddock, B.S., United States Military Academy, 1958
Le Trieu Dau, Engr. Diploma, French Naval Academy, 1957
David Clement Escbic, B.S., Wisconsin State College and Institute of Technology, 1963
Mohammed Javad Eskandani, B.S., University of Tennessee, 1961
Delroy Jeftah Forbes, B.S., Illinois Institute of Technology, 1964
Jay Clifford Franz, B.S., United States Military Academy, 1959
Richard Holt Gates, B.S., United States Military Academy, 1960
John Charles Glennon, B.S., 1963
Mohamed Fayyik Abd El-Razzak Honeedy, B.C.E., Cairo University, 1959
Claude Henry Hurley, B.S., 1963
Youssef Khatoun, B.S., University of Texas, 1963
Orlando Arthur Krueger, B.S., 1951
John Young Lai, B.S., University of the Philippines, 1962
Dong Woo Lee, B.E., Chosun University, 1959
Yiu-Chung Li, B.A.Sc., University of Toronto, 1963
Charles Robert Marek, B.S., 1963
James Edward McNeill, B.C.E., North Carolina College of the University of North Carolina, 1956
Richard Albert Miles, B.S., Utah State University of Agriculture and Applied Science, 1961
John Lewis Mooney, B.S., Drexel Institute of Technology, 1962
John Douglas Mulliken, B.S., Bradley University, 1962
Farhad Naghib, B.S., 1963
Robert LeRoy Nickerson, B.S., Bucknell University, 1958
Richard Eugene Norton, B.C.E., Rensselaer Polytechnic Institute, 1960
Edward Spencer Perry, B.S.E., Princeton University, 1956
Richard Louis Plambeck, B.S., 1963
Quentin D. Quigley, B.S., Oklahoma State University of Agriculture and Applied Science, 1950
BOARD OF TRUSTEES

[June 17]

COLIN BARRY MACDONALD REED, A.B., University of Cambridge, 1963
JACK HERBERT RIDER, B.C.E., University of Delaware, 1962
JOHN LYNDON ROSENBLAD, B.S., University of Texas, 1963
JAMES BURSE ROYCE, B.S., United States Military Academy, 1961
WILLIAM EUGENE SELTZ, B.S., United States Military Academy, 1961
JOHN ARTHUR TREMORE, B.S., 1962
EMILE WILLIAM JOHN TROUP, B.S., Northeastern University, 1962
WILLIAM AUSTIN WELSH, JR., B.S., Swarthmore College, 1961
RICHARD ROY WHITNEY, B.S., 1963
ROBERT FRANCIS ZIELINSKI, B.S., United States Military Academy, 1961

In Commercial Teaching
VELMA GRACE AMLING, A.B., Valparaiso University, 1958
PEGGY ANN ENGELHARDT, B.S., MacMurray College, 1962

In Dairy Science
WILLIAM ALLEN APPELBAUM, B.S., Cornell University, 1962
SAMUEL ROBERT ATAI, B.S., 1963
HAROLD LELAND KINCAID, B.S., 1962
KUWITAKE KOYAMA, B.S., Hokkaido University, 1959

In Dairy Technology
N. R. SUNDARARAJAN, B.S., University of Madras, 1956

In Economics
ABD ALLAH ABD EL-HALIM-AHMED ABO-BAKER, B.Com., Ain Shams University, 1960
MICHAEL AUBREY STEVENSON BLURTON, B.Com., Sir George Williams University, 1962
EDWIN TREMAIN BRADLEY, Jr., B.S., University of Rhode Island, 1962
RICHARD JOHN DEERING, B.S., Carroll College (Wisconsin), 1963
WILLIAM LYNN HOLMES, B.S., 1963
PHAN HUY KIEM, B.S., 1962
MABID ALI MOHAMED MAHMOUD, B.Com., Cairo University, 1960
JOHN BLAIR McMANUS, B.S., Auburn University, 1961
NICHOLAS MICHAS, A.B., University of Alberta, 1963
LAMNAY EVAN STREETER, A.B., Oberlin College, 1962
MELVILLE ZACUTA WOLFSON, B.S., Louisiana State University (New Orleans), 1963

In Education
BARBARA BISBEE CLARK, A.B., Rockford College, 1957
JOHN ROMNEY PYPER, A.B., Brigham Young University, 1961

In Electrical Engineering
JAMES CHARLES AGUE, B.S., 1963
JOHN JERRY ARMSTRONG, B.S., United States Naval Academy, 1962
ROBERT LEIGH BARNETT, B.S., Case Institute of Technology, 1963; A.B., Oberlin College, 1963
ALBERT GEORGE BREJCHA, B.S., 1963
GARY SANDY BROWN, B.S., 1963
YILMAZ CAN, B.S., University of Kentucky, 1962
THOMAS FREDERICK CECIL, B.S., University of Kentucky, 1962
ARTHUR JOHN COLLMEYER, B.S., 1963
THOMAS FRANCIS CURRAN, B.S., 1960
FRANK RUSSELL DENTON, Jr., B.S., State University of New York at Albany, 1955
RODNEY DWIGHT ELMORE, B.S., 1962
GARY NORMAN FIERSTEN, B.S., 1963
DALE ARTHUR FOGLE, B.S., 1963
THOMAS EDWARD FORD, B.S., 1963
RODERICK GEORGE FUJAROS, B.S., University of Alberta, 1963
WILLIAM JEFFREY GREGER, B.S., Lafayette College, 1963
RICHARD ELMER HERSKIND, B.S., Northeastern University, 1962
KENNETH JARLINSKEY, B.S., 1963
JOHN TERENCE JACOBS, B.A.Sc., University of Toronto, 1962
WILLIAM QUENTIN JEFFERS, B.S., Massachusetts Institute of Technology, 1961
JAMES FRANK KAUFFMAN, B.S., University of Missouri School of Mines and Metallurgy, 1960
WILLIAM FLOYD KEENAN, B.S., 1963
CHONG SUNG KIM, B.S., 1963
JOSEPH MACKOVJAK, B.S., 1961
EDWARD ABRAHAM MARK, B.S., 1963
JOHN EDWARD MORONEY, B.S., 1963
OWEN SMOOT NIBLEY, B.S., United States Military Academy, 1950; A.M., George Washington University, 1958
WILLIAM JAMES PARKER, Jr., B.S., University of Maryland, 1963
FREDERICK ALEXANDER ROBERTS, National Cert., Higher National Cert., Acton Technical College (London), 1948, 1955
HOLLIS FRANKLIN RYAN, B.A.Sc., University of Toronto, 1962
ROBERT ALLAN SMITH, B.S., University of Alberta, 1963
CARL FREDERICK STUBENRAUCH, B.S., 1962
PAUL GLENNON WEINGAND, B.S., 1963
TOSHIWIKI YAMADA, B.S., University of Tokyo, 1961

In Entomology
JAMES LOUIS KRYSAN, A.B., Iowa State Teachers College, 1961

In Finance
MARVIN ARTHUR HANSEN, B.S., 1960
WILLIAM FREDERICK LANDSEA, B.S., 1961
GORDON PETER WILSON, A.B., 1963

In Food Science
ANTHONY JOSEPH CUTAIA, B.S., 1961
MOON JA KIM, B.S., Seoul National University, 1958
ALBERT JOSEPH LAMBERT, B.S., Loyola University (Illinois), 1960

In Forestry
RONALD LEE RUSSELL, B.S., 1960

In Geology
PETER CHAPIN TRESCOTT, A.B., Williams College, 1962

In Health Education
ARTHUR JUDE TRYBEC, B.S., 1961

In Home Economics
LEONA ANN KOCHER, B.S., 1962
MARY ANNE PURDY WINSTRAD, B.S., University of Kentucky, 1956

In Horticulture
ROY THOMAS GREGORY JENKINSON, B.S., 1963
ARTHUR DALRYMPLE LEASURE, B.S., 1957
RALPH LAWRENCE SNODSMITH, B.S., 1963

In Journalism
JON KURT HAHN, A.B., 1962

In Library Science
LOIS WICKHAM BEBEE, B.S., State University of New York College at Geneseo, 1957
VERNA JUNE CARTER, B.S., Purdue University, 1962
LAURA ALICE CHRISTOPHER, A.B., University of California (Berkeley), 1963
DONALD PAUL CHVATAL, A.B., St. John's University (Minnesota), 1963
MARGARET ROSALIE CUNEO, A.B., Mills College, 1962
MARGARET CHRISTY DANZIGER, B.Mus.Ed., College of Wooster, 1960
Rosetta Alice Daugherty, A.B., Southeast Missouri State College, 1963
Elayne Scoopakes Erickson, A.B., 1959
Cecil Philippa Fray, Diploma, University College of Ireland, 1943; A.B., University of Dublin, 1951; D.V.P.H., University of Toronto, 1954
SHELA SMITH FRETWELL, A.B., State University of Iowa, 1960
Almeda Garn, A.B., Cornell College, 1961
Wilma Jean Geil, A.B., Swarthmore College, 1961
Carolyn Ruth Grundy, A.B., Grove City College, 1963
Ellen Joyce Herr, A.B., Sioux Falls College, 1963
Judith Anne Hickman, B.S., Purdue University, 1963
Judith Frances Kuzel, A.B., Cardinal Stritch College, 1963
Donald Lee Lanier, B.S., Oklahoma Baptist University, 1961
Lee Harriet Lawrence, A.B., Indiana University, 1960
Anita Emma Liden, A.B., Augstana College (Illinois), 1963
Nancy Ru-Wei Lin, B.Ed., Taiwan Normal University, 1960
Marie Ann Hermon Long, A.B., Kansas State University, 1961
Eileen Barbara McNamara, A.B., Bradley University, 1963
Helen Ledford Mitchell, A.B., University of Kansas City, 1963
Jesse Spiker Mullen, A.B., University of Missouri, 1963
Kenneth Leroy Nabors, A.B., Washington University, 1952; A.M., University of Minnesota, 1956
Marjorie Elliott Runge, A.B., Beloit College, 1960
Sandia Eppler Schield, A.B., Long Beach State College, 1963
Maria Sorenick, B.S., Indiana University, 1960
Margaret Lynn Thrasher, A.B., University of Kansas, 1961
Mary Frances Tunison, A.B., Blackburn College, 1963
Susan Finley Wrooff, A.B., 1963
William James Wiman, A.B., Loras College, 1959
Florence Ellie Wood, A.B., 1963

In Management
Hamdy Fouad Aly, B.Com., Cairo University, 1960
Gabriel Mediaaldea Guinand, B.S., M.S., 1960, 1961

In Marketing
Richard Rex Fisher, B.S., 1963
Joseph Frederick Terranova, B.B.A., University of Notre Dame, 1963
Burton Charles Usen, B.S., 1962

In Mathematics
Donald Frederick Behan, A.B., Cornell University, 1963
John Grant Bergman, B.S., 1962
Morris Jack DeLeon, A.B., University of California (Los Angeles), 1963
Vladimir Drobot, B.S., University of Notre Dame, 1963
Clifford Meyer Gerstenhaber, B.S., Polytechnic Institute of Brooklyn, 1962
Philip Francis Gilbert, B.S., St. Joseph's College (Indiana), 1952; A.B., St. Charles Seminary, 1960
Arnold Dean Hammel, B.S., Central Michigan University, 1962
Martin Robert Hoffman, B.S., California Institute of Technology, 1963
Hing-Sum Hung, B.S., Stanford University, 1962
Charles Virgil Jones, B.S., Western Illinois University, 1963
Robert John Kubala, B.S., University of Chicago, 1962
Barbara Ann Kunze, B.S., Purdue University, 1963
Richard Lohmann Lunde, B.S., 1961
Maurice Lee Monahan, B.S., South Dakota State College, 1956
Michael Reeder Morrell, B.S., 1963
ALAN MICHAEL NORRIS, B.S., 1962
JAMES FRANK PRESTI, JR., B.S., Wheaton College (Illinois), 1962
JULIUS MYRON ROTHSCILD, B.S., 1963
WILLIAM SHELTEN SAMUEL, JR., B.S., Rensselaer Polytechnic Institute, 1938; B.D.,
Drew University, 1951
THOMAS ANTHONY TREDON, B.S., University of Wisconsin, 1963
PAUL MICHAEL TYNER, B.S., 1962
RENATE GOMPERTZ WATANABE, Licentiate, Pontifical Catholic University of São
Paulo, 1952

In Mechanical Engineering
PHILLIP JEROME Batchelor, B.M.E., Marquette University, 1962
WILLIAM ZACHARY BLACK III, B.S., 1963
BURDette LESLIE Boers, B.S., 1963
EUGENE FRANCIS BROWN, B.S., University of Wisconsin, 1963
WARD WILLIAM CARSON, B.S., Oregon State University, 1960
STEPHEN COlBURN, B.S., 1963
WILLIAM FRANK HAHN, B.S., Valparaiso University, 1962
GERALD WILLIAM HARTKE, B.M.E., University of Dayton, 1962
UPPE HINDHEDE, M.S., Technical University of Denmark, 1950
ROBERT FRANK HURT, B.S., 1963
BRAJ BHUSHAN JAIN, B.S., Agra University, 1948; B.Eng., University of Roorkee,
1952
GLEN WILLARD KAHLE, B.S., University of Missouri, 1956
THOMAS GEORGE LEyDON, A.B., University of Connecticut, 1953; B.S., 1964
ROBERT LEOPOld PIRMAN, B.S., 1961
JOEL SLUTZKY, B.S. (Mechanical Engineering), B.S. (Electrical Engineering),
1962, 1962
RICHARD DEAN STRUNK, B.S., Iowa State University of Science and Technology,
1958
MILTON JOSEPH VARGUS, B.S., 1955
CHI-HSIUNG WENG, B.S., Chinese Military Academy, 1960

In Metallurgical Engineering
FRANK YALE FRADIN, B.S., Massachusetts Institute of Technology, 1963
RALPH WILLIAM LEONARD, B.S., 1963
ROBERT CHARLES McALLISTER, B.S., Purdue University, 1959

In Microbiology
ZARRINE JAMSHED KERRAVALA, B.S., M.S., University of Bombay, 1956, 1959
GRACE LIH-CHUIN LEE, B.S., National Taiwan University, 1960
ROBERT STEVENS LONG, B.S., 1961
REBEKAH KIN CHAO WONG Wu, A.B., Catawba College, 1961

In Music Education
DUANE ADAIR BATES, B.Mus., University of British Columbia, 1962
DONALD WILLIAM PRETTY, B.S., 1962
PAULINE HEINBERG GAGLIANDO, B.Mus.Ed., Louisiana State University and Agricultu-ral and Mechanical College, 1961
NEAL MYRON HARRIS, B.Mus.Ed., Wisconsin State College (Stevens Point), 1963
ALFORD JESSE HOLTON, JR., B.S., East Carolina College, 1963
JAMES D. NELSON, B.S., 1963
RUTH MARGUERITE STOFFEL, B.Mus., Oberlin College, 1963
WILLIAM ARTHUR WADE, B.Mus.Ed., Southern Illinois University, 1961
TOMMY HOWARD WARDLOW, B.S., 1962
JEANINE HAYES ZENGE, B.Mus., Oberlin College, 1961

In Nuclear Engineering
GERALD PAUL BECK, A.B., Southwestern College, 1943; M.S., 1948
CARL LOUIS FIES, B.S., University of Wisconsin, 1963
LESLIE ALFORD HORVE, B.S., 1960
GARY EDWARD JONES, B.S., 1962
MARCUS LLOYD MARLIN, B.S., 1963
JAMES WYATT PECK, B.S., United States Military Academy, 1958; M.S., 1963

In Physical Education
DOUGLAS BOELHOUWER, B.S., Rutgers, the State University, 1959
SHERRY LYNN BOVINE, B.S., Southern Illinois University, 1961
AGHIDASS FARVAR, Licence, Teachers Training College (Iran), 1959
GRETCHEN LUELLA GLUESING, B.S., University of Dubuque, 1959
MELVIN HENRY GRIENSFELDER, B.S., 1943
DAVID HENRY MAYHAK, B.S., 1962
NELLES MCKIEE, A.B., University of Western Ontario, 1963

ARTHUR ROGER COOKE, B.S., Massachusetts Institute of Technology, 1962
THOMAS EDWARD FITZPATRICK, B.S., Washington University, 1962
JOHN MILLS FOULK, A.B., Thiel College, 1962
JAY RICHARD FRIEDMAN, B.S., Worcester Polytechnic Institute, 1962
MICHAEL LOUIS GEORGE, A.B., University of California (Los Angeles), 1962
FRANCISCO ALCIDES GERMANO, Electronics Engineer, Instituto Tecnologico de Aviación (Brazil), 1960
DANIEL URBAN GUBSER, B.S., 1963
PIL SUN HAN, B.S., Seoul National University, 1960
DENNIS PAUL HERZO, A.B., Rutgers, the State University, 1962
GERARD EUGENE HITE, B.S., Case Institute of Technology, 1962
JOSE KATZ-MASSON, B.S., 1963
STEPHEN EDWARDS KIERGAN, A.B., Rice University, 1962
SUNG JIN KIM, B.S., Korean Military Academy, 1955; A.B., Seoul National University, 1959
MARCUS LEBMAN, B.S., Illinois Institute of Technology, 1963
TERRY GLENN MAHURON, B.S., Purdue University, 1963
FREDERICK IRA MANN, B.S., Pennsylvania State University, 1963
LAUREN RICHARD MATHER, B.S., Harvey Mudd College, 1963
NASCARALL FARES NASRALLAH, B.S., American University of Beirut, 1961
HAROLD CLAUDE POTTER, B.S., Illinois Institute of Technology, 1963
GEORGE HERBERT NEEDHAM RIDDLE, A.B., Princeton University, 1962
CHARLES ALVA ROGERS, A.B., Northwestern University, 1963
BRUCE MICHAEL SALVESTEN, A.B., Ripon College, 1962
MILO ARVID SCHIEN, B.S., Iowa State University, 1962
DAVID EUGENE STANFEL, B.S., 1963
ULRICH STRONG, B.S., Kansas State University, 1963
Gerald Edward Thiel, A.B., University of Wisconsin, 1963
THOMAS ANTHONY TUMOLILIO, B.S., 1963
JOHN DANIEL WEST, B.S., Roosevelt University, 1962
ROBERT HSIN-TO YEH, B.S., National Taiwan University, 1960

In Physiology
WILLIAM LEWIS EPPEL, B.S., 1962
PETER GARRISON HANSON, B.S., University of Wisconsin, 1958
JANET ARLENE HARRIS, B.S., Otterbein College, 1962
KATHY JAMES KANT, B.S., Ohio State University, 1958
BARRY RICHARD RIEPH, B.S., Ohio State University, 1961
JOSEPH HENRY SZURSZEWIE, B.S., Duquesne University, 1962

In Plant Pathology
CLINTON FREDERICK HODGES, B.S., 1962
DONALD HOWARD SCOTT, B.S., Purdue University, 1956

In Radio and Television
RICHARD GARRISON BATTLES, JR., B.S., 1959
WILLIAM TARRANT DALE, A.B., University of Minnesota, 1956
FRANCIS PATRICK O'CONNOR, B.S., University of Wisconsin, 1950
In Recreation

EDGAR LESLIE BARTH, A.B., William Jewell College, 1958
JOHN ALLEN CARROLL, B.S., University of Arizona, 1959
LAWRENCE WILLARD GAHAN, B.S., 1960
SAMUEL EUGENE HILL, B.S., 1959
LOYD JAMES PAULSON, B.S., Wisconsin State College (La Crosse), 1956
LUCILE NITSCH-TAYLOR, B.S., Purdue University, 1947
JAMES LYNN WALKER, B.S., 1963
PENELOPE JANE WHEELER, B.S., Southern Illinois University, 1963

In Sanitary Engineering

KALYANPUR YEHAYA B.ENG., University of Madras, 1958
CHU-CHUAN Hsu, B.S., Taiwan Provincial Cheng Kung University, 1959

In Speech Correction

JANE OYSTER GOEBEL, B.S., Ohio State University, 1958
DONALD ROBERT GREWELL, B.S., Eastern Illinois University, 1961
JACK LESTER RUDIO, A.B., Montana State University, 1962

In Statistics

TOON QUEE WONG, B.S., Nanyang University, 1961
KIM YEW YAP, B.S., Nanyang University, 1961

In the Teaching of Biological Sciences and General Science

ROBERT LLOYD ARTEMAN, B.S., Illinois State University at Normal, 1961
MARGARET HIND JENSEN, B.S., 1961
WAYNE EUGENE MATHIS, B.S., Illinois State University at Normal, 1960
ROBERT WILLIAM RAKITAN, B.S., 1961
CARL JAMES SCAFIDI, B.S., 1963
WILLIAM DALE UNVERFERTH, B.S., 1961
CATHERINE SUE WINELAND, B.S., 1963

In the Teaching of Mathematics

KENNETH ROBERT CONKLIN, B.S., 1962
FRED O. FLENER, B.S., 1963
PAUL EDWARD HALAC, B.S., 1963
CLAUDERICHARD KRAMER, B.S., 1963
BEVERLEY EVAN MOCHIEL, A.B., Cornell University, 1962
QUENTIN EUGENE NOREM, B.S., 1940
BETTY LEE WITHERS, A.B., 1963

In Theoretical and Applied Mechanics

RONALD ERNEST HUDSON, B.S., United States Military Academy, 1958; M.S., 1963
GEORGE ROGERS ROBERTSON, B.S., United States Military Academy, 1958; M.S., 1963
ROBERT EDWARD ROWLANDS, B.A.Sc., University of British Columbia, 1957
RICHARD ALLEN WENGLEArZ, B.S., 1963
JACK CLEVELAND WILEY, B.S., Purdue University, 1962

In Veterinary Medical Science

WILLIAM FRANK SCHROEDER, B.S., University of Wisconsin, 1944; D.V.M., Iowa State University, 1949
RICHARD FRANKLIN WALLIN, B.S., D.V.M., 1961, 1963
GUANG-TSAN WANG, B.S., National Taiwan University, 1958

In Zoology

VICTOR BUKA EICHLER, B.S., 1963
CLAUDINE FERN LOWDER LONG, B.S., Kansas State College (Pittsburg), 1960
SHARON CHALFANT MCDONALD, B.S., 1961

Degree of Master of Music

DAVID EISEMAN, A.B., University of California (Berkeley), 1963
BOARD OF TRUSTEES

June 17

Fu-Ting Kiang, A.B., University of California (Berkeley), 1962
Charles Edmund Koch, Jr., B.Mus., University of Houston, 1962
Jeremy Lustig, B.Mus., Oberlin College, 1963
Rudolph Ronald Matas, B.Mus., 1963
Michael Richard Rogers, B.Mus., 1963
Larry Joseph Solomon, A.B., Allegheny College, 1962
Karina Anna Swanson, A.B., University of Minnesota, 1961
Loren Charles Tice, B.Mus., College of Emporia, 1961
Laurne Rosetta Zautner, B.Mus., Lawrence College, 1962

Degree of Master of Education

Harold Wickliffe Adkins, B.S., Eastern Illinois University, 1950
Mary Lou Doyle Allison, B.S., 1959
Earl LaVerne Anderson, B.S., Illinois State University at Normal, 1960
Mildred Bangert Angelo, B.S., 1961
Eileen Jones Bapst, B.S., Illinois State University at Normal, 1950
Joan Marks Bartholomew, B.S., North Dakota State University, 1954
Thomas Anthony Beattie, B.S., Cornell University, 1950
John Howard Beaty, B.S., 1957
Donald Ames Bender, B.S., 1961
Max White Bratton, B.S., Northern Illinois University, 1952
Kenneth Lee Brynjolfsson, A.B., 1961
Mary Alice Hargrave Bundy, B.S., Southern Illinois University, 1952
Roger Kent Bushdecker, B.S., 1961
Harriett Mitchell Campbell, A.B., Central College, 1930
Alan Remington Carlson, A.B., 1962
HeLEN Grubb Carpenter, B.S., 1956
Cynthia Lisann Cohenour, B.S., 1963
Carol Ann Coon, A.B., Augustana College (Illinois), 1951
William Robert Cole, B.S., 1963
Georgia Pasek Cook, A.B., Eastern New Mexico University, 1959
Harvin Andre Cook, B.S., 1958
Frances Gertrude Corrigan, A.B., College of St. Francis, 1951
Daren Lee Cox, B.S., 1957
Betty Caughorn Crist, B.S., Northwestern University, 1943
Jeanne Marie Dent, A.B., Mount St. Agnes College, 1963
Theima Specht Elkins, B.S., Illinois State University at Normal, 1950
Dorothy Eileen Smith Ernst, B.S., Eastern Illinois University, 1951
Glynece Wilminia Eustace, A.B., Stowe Teachers College, 1948
Dorothy Long Evans, B.S., Winston-Salem Teachers College, 1949
Dale Homer Flach, B.S., 1959
Barbara Bolt Fletcher, B.S., Miami University, 1956
Dannie Elmer Franklin, A.B., Harris Teachers College, 1959
Charles Richard Frederick, A.B., B.Th., B.S., Goshen College, 1951, 1952, 1953
Marin Carol Frederick, B.S., 1962
Howard Garver, B.S., 1961
Frances Marguerite Golden, A.B., Beloit College, 1955
Raymond James Gornik, B.S., Lewis College of Science and Technology, 1953
Donald Robert Graham, A.B., Valparaiso University, 1959
Russell Thomas Hainline, B.S., 1963
Homer Johns Halverson, B.S., Wisconsin State College and Institute of Technology, 1956
Denver Wilbert Haney, B.S., University of Kentucky, 1947
Ruth Laraine Harris, A.B., Greenville College, 1963
Howard Erwin Hartke, B.S., Bradley University, 1955
Andrew John Hauptman, B.S., 1958
Sally Langhaar Havens, B.S., 1960
Norma Klinedinst Haworth, B.S., Ball State Teachers College, 1959
Darrell Gene Helm, B.S., Millikin University, 1962
Judith Ferne Lane Hess, B.S., Southern Illinois University, 1962
Ronald Fay Holler, B.S., Millikin University, 1961
Daniel Helge Holmes, B.S., Illinois State University at Normal, 1961
CAROL AILEEN IVY, B.S., Northern Illinois University, 1959
PATRICIA ANN JANSSENS, A.B., Marycrest College, 1957
WILLIAM DONALD JOHNSON, B.S., Bradley University, 1962
PAUL WILSON JORDAN, B.S., Murray State College, 1955
JOAN MORTENSEN JOSEPHSON, A.B., Augustana College (South Dakota), 1954
JOHN BERNARD JOYCE, B.S., 1963
KINNEY KAAUMOANA KAMA, JR., A.B., Miami University, 1957
ANN KENWARD, A.B., 1960
MEI ROBERT KIELTYKA, B.S., St. Bonaventure University, 1958
SHIRLEY QUINING KNAUFP, B.S., Oregon State University, 1960
MYRNA MAE BARTELSON KNILANS, B.S., Illinois State University at Normal, 1959
MARGURIE GALLANter KOPeL, A.B., Barnard College, 1956
PEGGY JOHNSON LIPPERT, A.B., University of Oklahoma, 1957
ELIZABETH HWAI-YING LIU, B.S., National Szechwan University, 1948; B.S.N., College of Mount St. Joseph on the Ohio, 1954
HILDA LIVGOOD LLEWELLYN, B.S., 1940
RATMOND ORLAND MADDox, B.S., Illinois State University at Normal, 1961
CLARA BOW McGOWAN MARTENS, B.S., University of Texas, 1951
CAROL ANN McCaffrey, A.B., University of Portland, 1963
Martha Sandusky Merritt, B.S., 1962
GWEN Campbell Molenaar, B.S., Northern Illinois University, 1959
LESLIE ANN Morgan, B.S., 1961
SHARON Ann Morton, B.S., Illinois State University at Normal, 1960
EDEN Nicholas, B.Mus., 1943; B.D., Northwestern Lutheran Theological Seminary, 1951
RICHARD LEE Nimz, B.S., Illinois State University at Normal, 1962
CYNTHIA NOWAK, B.S., Northwestern University, 1963
SHARYN WEST PAIGE, B.S., University of Nebraska, 1960
HAROLD DEAN Pierce, B.S., Northern Illinois University, 1960
WAYNE Raynor PILLEN, B.S., 1959
ROGER FLOYD POHLMAN, B.S., Iowa State University, 1959
THOMAS FRANCIS Powers, B.S., Northwestern University, 1952
EVELYN RASMUSSEN Reeder, B.S., Northern Illinois University, 1955
WILBUR Cornelius Rich, B.S., Tuskegee Institute, 1960
KAROL LUNDIE SCHULTe, A.B., Michigan State University, 1961
Ferrel Roy SEAMAN, B.S., Eastern Illinois University, 1955
Rossie Jerrald SHIVE, B.S., Illinois State University at Normal, 1958
Irene Gullan SLOTTOW, B.S., Maryland State Teachers College (Towson), 1944
Marry Joy STOECKL, B.S., 1961
Joe Dewey Stuttsman, B.S., Southern Illinois University, 1956
Marjorie ANN SULLINS, B.S., 1963
WARREN Noboru SUZUKI, B.S., 1963
SALLY ANN SWANSON, B.S., Illinois State University at Normal, 1959
SU ANN JOHNSTON Thomas, B.S., 1961
CLARENCE Reed Tipton, Jr., B.S., 1957
Marilyn Zeiter Tucker, B.S., 1960
JOHN Carver TURNER, B.S. (Agriculture), B.S. (Dairy Technology), 1955, 1959
Mildred ThurstroN TurneR, B.S., Franklin College of Indiana, 1957
MARY Emily Van HOUTTe, B.S., Western Illinois University, 1959
Virginia Ragar WAGGENER, B.S., Culver-Stockton College, 1959
Raymond Eugene Whitehead, B.Mus., DePaul University, 1958
Benney Lucille Morris Wilder, B.S., Alcorn Agricultural and Mechanical College, 1954
Louise Elaine Windmuller, A.B., Northern Illinois University, 1962
Nancy Ruether Wirtz, B.S., State University of New York College for Teachers (Albany), 1961
Loanne Lillian Worth, B.S., 1961
Ruth Ann Helms Wurzbueger, B.S., Olivet Nazarene College, 1959
VERNIEE Sylvester Yeazel, B.S., 1959

Degree of Master of Social Work

ARTHUR MELVIN Apremow, A.B., 1955
MOLA CHARLOTTE ALPHONSE, A.B., Roosevelt University, 1958
MARY IVAN BAILEY, A.B., Johnson C. Smith University, 1962
ROGER IVAN BENDER, B.S., Illinois State University at Normal, 1962
MARIE LARSON BROOKE, B.S., Eastern Michigan University, 1957
WARREN CHARLES CHAPMAN, A.B., Michigan State University, 1962
THOMAS ALBERT COLEBUT, A.B., Millikin University, 1958
LILLIAN BELLE COY, A.B., University of California (Berkeley), 1937; A.M., San Francisco Theological Seminary, 1942
NANCY WAGNER DELAP, A.B., Carroll College (Wisconsin), 1961
ANDREW DESNET, B.S., George Williams College, 1950
DONALD EUGENE DOWE, B.S., Illinois Wesleyan University, 1961
JOEL FISCHER, A.B., 1961
Marilyn Jacobs Flynn, A.B., Roosevelt University, 1960
DOROTHY RIDDLE GREEN, B.S., University of Nebraska, 1948
BETTY KOSTIAL GUTSTADT, A.B., 1951
SANDRA BEVERLY HABUSH, B.S., University of Wisconsin, 1961
CAROL SCHMALZ HEMBRUGH, A.B., 1960
DAVID JOY HERRELL, A.B., University of Pennsylvania, 1958
CARROLL EUGENE HUGHES, A.B., Westmar College, 1955; B.D., Evangelical Theological Seminary, 1958
MARY JEAN JANSZYN, Ph.B., Loyola University (Illinois), 1942
JUDITH ANN JOHNSON, A.B., Beloit College, 1962
ADELE MAE KAUFMAN, A.B., Michigan State University, 1962
EDWARD PHILLIP KAUFMAN, A.B., 1962
CAROLYN FERN LITWILLER, A.B., Goshen College, 1961
EUGENE EDWARD LOVE, A.B., Dillard University, 1962
JAMES HENRY MACKEY, B.S., Florida Normal and Industrial Memorial College, 1950
TROY ANTHONY MAYE, B.S., 1962
DONALD JOSEPH MOCKENHAUT, A.B., College of St. Thomas, 1962
BEVERLY KOEHLER OHLEN, B.S., 1957
DONALD ALEXANDER PATON, B.S., Bradley University, 1952
WILLIAM QUINN PATTON, B.S., University of Minnesota, 1961
KARL PEMPER, B.S., 1958
DIANE CHRISTA PERSHING, A.B., 1962
SHEILA CATHERINE PLATT, B.S., 1961
ANN PALMER PRIORI, B.S., Loyola University (Illinois), 1961
KATRINA SCHUYLER REISBERG, A.B., Brooklyn College, 1957
DAVID LLOYD SEXTON, B.S., George Williams College, 1962
OLYMPIA DYER SPURLING, A.B., 1962
BARBARA LOU MILLER STONE, B.S., Northwestern University, 1949
MADELINE JEANNE TRAASST, A.B., St. Olaf College, 1962
EDITHE BALTERIS VANAGUNAS, B.S., 1961
EUGENE ROBERT WILLIAMS, A.B., Millikin University, 1961
NATHALIE SILBERSTEIN WINKLER, A.B., Goucher College, 1942
CLORA DUMAS YOUNG, A.B., Oakwood College, 1949

Degree of Master of Fine Arts

In Landscape Architecture

DONALD JOSEPH MOLNAR, B.F.A., 1960

In Painting and Printmaking

BETTY JANE DONACHE, B.F.A., University of Texas, 1961
JAMES EMIL FAGAN, B.F.A., Bradley University, 1962
ANJA KUOPPALA SCHRAG, B.F.A., 1959

Degree of Master of Laws

SURYA PRakash SINHA, B.Com., University of Poona, 1956; LL.B., University of Bombay, 1958; M.S., University of Arizona, 1962
Degree of Master of Architecture

RICHARD THOMAS BANKS, B.S., 1962
WALTER EDWIN BLISS, B.Arch., 1963
WICHIT CHARERNBHAK, B.Arch., Chulalongkorn University (Thailand), 1959
THOMAS SHIGERU KATSUYOSHI, B.Arch., 1963
LOUIS JOSEPH NARCISI, B.Arch., 1961
ERNEST OTTO FORPS, B.Arch., 1961
ADIB WAIHA WAHY, B.Arch., Cairo University, 1956

Degree of Master of Accounting Science

PAUL RAYMOND ANDERSON, B.S., 1963
DOUGLAS ROY CARMICHAEL, B.S., 1963
CHING-LAN CHU, A.B., National Taiwan University, 1962
PAUL EDWARD DUCKWORTH, B.S., 1963
STEPHEN KENT EMERY, A.B., Baker University, 1963
ANDREW AMIL HARIED, A.B., Hastings College, 1962
RALPH ARTHUR HOFFMAN, B.S., 1963
WILLIAM BRIGHT JOHNSON, B.S., 1963
RICHARD LEE KEYSER, B.S., 1963
DON GALEN LOCKHART, B.S., 1963
THOMAS JOSEPH LOOBEY, A.B., Washington University, 1962
OREN BERNARD MEYER, B.S., Northwestern University, 1962
JAMES WARREN PELLOT, B.S., Miami University, 1963
KENNETH SPENCER SMITH, B.S., University of Oregon, 1963
VERNON KEITH SMITH, B.S., West Virginia Wesleyan College, 1963
MICHAEL HANES WEATHERBEE, A.B., University of Dubuque, 1960
GARY ELBERT WHITE, B.S., University of Colorado, 1963
THOMAS DENNIS WHITE, B.S., 1963
KONRAD JOHN WITEK, B.S., 1963

Degree of Master of Business Administration

JERRY ANTON BILEK, JR., B.S., 1962
PETER CLOUGH BULKELEY, B.S., 1962
EDWARD JOSEPH CANNON, B.S., University of Wisconsin, 1959
MICHAEL RICHARD CERVANTES, B.S., 1962
PRISCILLA SHUT-FUNG CHOW, A.B., National Taiwan University, 1962
ROBERT LOUIS GENDRY, B.S., Millikin University, 1962
ELWYN FRANK HENNING, B.S., 1962
RALPH THEODORE HOCKING, B.S., 1962
KENNETH KAY KAUFFMAN, A.B., College of Wooster, 1962
CHARLES TAYLOR KERCHNER, B.S., 1962
RICHARD EDWARD KOLER, B.S., 1962
TERRENCE WILLIAM KUCHARSKI, B.S., Loyola University (Illinois), 1961
RALPH ELMER LINDEMANN, JR., B.S., 1962
FREDERICK THEODORE MELBERG, JR., B.S., 1962
MICHAEL EDWARD O'LAUGHLIN, B.S., 1962
HOWARD T. PEAT, B.S., Howard College, 1957
FREDERICK JOHN REYNOLDS III, B.B.A., University of Notre Dame, 1961

Degree of Master of Comparative Law

MEHMET ERDAL KARATAYLIOGLU, Licence, University of Istanbul, 1962

Degree of Master of Extension Education

GLENN IRWIN ASH, B.S., 1951
ROBERT WALTER FRANK, B.S., 1959

Advanced Certificate

In Education

MARINA ESTHER AXEEN, B.S., St. Cloud State Teachers College, 1945; B.S. (Library Science), M.S., University of Minnesota, 1949, 1953
MAROLYN GENEVIEVE BANNER, B.S., M.S., 1948, 1953
DENNIS ELLSWORTH BAPT, A.B., North Central College, 1938; A.M., Colorado State College, 1949
JOE L. CAIN, B.S., Jackson State College, 1951; M.S., Indiana University, 1958
MERVIN LOUIS CRONBAUGH, A.B., Simpson College, 1959; M.S., Western Illinois University, 1963
EDWARD ANTHONY CRUM, B.S., Ed.M., 1933, 1963
DELBERT DALE FOUST, B.S., Eastern Illinois University, 1955; B.D., Evangelical Theological Seminary, 1956; Ed.M., 1959
FLOYD HAFF, JR., B.S., M.S., Cornell University, 1959, 1961
KENNETH ALLAN HOLMES, B.S., Purdue University, 1951; M.S., Indiana State College, 1961
GORDON CLYDE HOPPER, B.S., M.S., Western Illinois University, 1954, 1955
HENRY ANTHONY HORNBECK, Jr., A.B., Loras College, 1959; Ed.M., 1962
HAROLD RALPH HUNGERFORD, B.S., M.S., Illinois State University at Normal, 1949, 1953
EDWARD GARFIELD JOHNSON, Jr., B.S., A.M., Ball State Teachers College, 1947, 1952
CHARLES DUANE PATTON, B.S., Colorado State University, 1953; Ed.M., Montana State College, 1961
DOMINICK DANIEL PELLEGRENO, B.Mus., A.M., University of Michigan, 1958, 1959
MARION ELIZA SLIGAR, B.Ed., Pestalozzi Froebel Teachers College, 1945; M.S., Millikin University, 1953
Hiram Williams, A.B., Arkansas Agricultural, Mechanical, and Normal College, 1957; Ed.M., 1961

In Music Education
JAMES CLARENCE MUNDY, B.S., M.S., Indiana State College, 1959, 1963

COLLEGE OF AGRICULTURE
Degree of Bachelor of Science
In Agriculture

THOMAS CLAYTON AINSWORTH, Honors
ELDON WAYNE ASKew
JAMES LINDEN BECKHART
DANIEL WILLIAM BOCK
DARWIN LESTER BOHNENSTIEHL
JOHN STEVENS BOLEN, Honors
ROBERT PERRY BOSSHART
BERNARD MILLER BRAKENHoff
VIRGINIA LEE BROWN
MAURICE HENRY BRUCKER
DELMAR DARWIN BUILTa
ROBERT ELLSWORTH COOMBE
HAROLD RONALD CORNEWELL
RONALD EUGENE CORNWELL
ROBERT JEROLD CURRY
GARY STOVER DAMERON, Honors
ROBERT ALLEN DANIEL
AUBREY DEAN DECKER
GARY LEE DOOLEN
JOHN STEPHEN DREw
ROBERT LYNN DRIESLEIN
JOHN WILLIAM DUIs
WILLIAM RAY EDWARDS
JOHN STEWART ELLISON
GARY MARTIN ELLSWORTH
JOHN ALBERT ENSOR
SHELDON WAYNE FARWELL
LARRY WILLIAM FERGUSON
RICHARD DONALD FLYNN
ROBERT VALENTINE FUHR
BRUCE LYNN GARDNER, High Honors
JAMES ANDREW GARDNER
BRUCE LYNN GARDNER
JAMES ANDREW GARDNER
BYRON RICHARD GEISSLER
CLEMENT EUGENE GILL
JOHN RUSSELL GORDON, Honors
VIRGIL BYRON GREGG
EARL GEORGE GUDEMAN
GEORGE ANTHONY BARTON HALL, Honors
HORST PAUL HAMANN
ROBERT RAYMOND HARRIS
JIMMIE D. HARBOld
WAYNE ALLEN HAYENGA, Honors
CARL JOSEPH HEINISCH
STANLEY DEAN HEITz
DANIEL EDWIN HEMBROUGH
THOMAS PAUL HENDERSON
RUSSELL LEROY HIGGINS
DOUGLAS ALLEN HOLLER
ALBERT RAY HORNBRook
EARL MULFORD HUGHES, Jr., Honors
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LARRY MARVIN IRIoN
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RICHARD WILLIAM KING
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1964]

UNIVERSITY OF ILLINOIS

WILLIAM FRANK KIRK
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In Food Science

DANIEL LEONARD FLEISCHMAN
IRAJ SHAYANI

In Forestry

PAUL DEAN CHAMBERLAIN
WILLIAM WRIGHT COWEN
JOHN WILLIAM DALE
TIMOTHY JON DARR
LORIN DANIEL EDLUND
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ROBIN WILLIAM TURBA
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In Home Economics

BARBARA LOUISE AHRLING
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NANCY ELLEN BLACKMORE
MARJORIE HIMSTEDT BLUNIV
STEPHANIE KAY BORLEFF
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LUCINDA JEAN BUTLER
PATRICIA Ann CLICKENOS, Honors
MARGUERITE ELLEN COLLIER, Honors
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JEAN ANN DUNFHY, Honors
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PATRICIA MARIE SLUGA
ANNETTE CAROL SMITH
JOAN FREDRICKSON TARBOR
SUSAN LOUISE WILKEN
ELAINE MARGARET WILMS

In Horticultural Food Crops

JOHN MAXWELL CRUTTENDEN

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

In Aeronautical and Astronautical Engineering

BARCLAY HUDSON BOHRUN
WILLIAM BRAMBLETT COTTON, High Honors
DAVID ESKEM CRIG
HOWARD HANKE CREXEN
RONALD GENE CUSTER
JAMES RICHARD EYMAN
JOEL WILLIAM FRENK
HARLAN ALFRED HANNAH
ARTHUR DAVID JONES
BENJAMIN EUGENE KAMINSKI
ROY WILLIAM KESSMANN

PETER TSAN-CHUNG LEUNG
RONALD ALAN MAYS
STEPHEN ARTHUR PATAY
PAUL DAVID REBACK
KENNETH RAYMOND ROTH, Honors
KENNETH DAVID SHERE
RALPH THOMAS URBANIK
GERALD CECIL WEEKS
RICHARD WALDEMAR WHITTAKER
EDWARD GLEN WILSON, Jr.
EDWARD RAYMOND WOJULIS

In Agricultural Engineering

MARVIN LYNN JANNSEN
OWEN PALMER LEE
GEORGE ALBERT PUZEY, Honors

THOMAS GEORGE TRUCKENBROD
RICHARD ALLEN WERNER

In Ceramic Engineering

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RICHARD JOSPEH BARRY
JOHN ALEXANDER BONAR
CHARLES JOSPEH COCAINE
GERALD LEONARD FARINA
JAMES ADOLPH FEIDLER
JAMES ALLISON GEE

ADRIENNE LOIS LUCHESE
RICARDO MONTANEZ-SACEDA
ROBERT GUNNAR PALM
JOSEPH MURRY RECKA
KENNETH EMILE SCHUBERT
JAMES PATRICK SOWMAN
DONALD EDWIN WELLETS
In Civil Engineering

Ibrahim Akbas
Jerold Ray Asal
Richard Allen Barton
Robert Adam Becker
Leon William Bennett
Theodore James Besta, Jr.
George Richard Bird, Honors
Robert Edwin Brown
Larry Milton Campbell, High Honors
Louis Thomas Cerny
Woodrow Calvin Chenault, Jr.
Vincent Paul Conoscenti
Dominic Di Orio, Jr.
William Carl Etter
Stephen Earl Gritten
Gurnie Cornelius Gunter
Robert Francis Heavener
Carlos Alberto Hernandez-Yamarte
Curt Raymond Hildebrand
Khaleed Ismail Ismail
Elmer Lowell Jacobs
Roy Rodman Johnson
Jack Lester Joines
Clyde James Jones
James Frederick Kahle
Hassan Kamalvand
Jafar Kassaian
Lawrence Earl Keim
Charles Blain Kenison

Roger Dale Koester
Vernon Gunji Koike
Stephen Alan Kurth
James Raymond Levey, High Honors
Robert Alan Longfield
John Clayton Milkantas
Oktay Oskay
Ronald Anthony Owczarski
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Eric Vincent Reelitz
William Martin Reno
Daniel Lee Rich, High Honors
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Russell Ramon Rudolph
Cengiz Sarikcioglu
Robert Tyler Scaggs
Ronald David Schrotberger
Aligmantas Romanas Slapkauskas
Edwin Graham Smith
Ian Erik Soreli
Robert Glen Starkey
Richard Reynard Stenzel
Timothy Esping Swanson
Selim Shirri Tarabus
Leo Leonidas Tolia
Charles Alphonsus Venskus
James Bruce Voorhees

In Electrical Engineering

Andrew Joseph Affrunti
Erol Aksoy
Arne Daniel Anderson
Robert Louis Barch
Edward Norris Barnes
Horst Heinrich Becker
William Gary Begue
Raymond Quayle Benage
Gustav Adolph Bergquist
John David Blanke
Mahir Bodur
Albert Ira Bomchill
Edward Burleigh Breck, Honors
William Eldridge Carins, Honors
David Paul Casasent, Honors
Luis Alberto Cham
Richard Jenyi Chan
Stewart Alan Clark
Dale Carson Cowan
Myron Dean Cowell
Douglas Edward Criner, High Honors
James Wilson Curd
Edward Wesley Curtis
Andrew Nicholas Dakis
William Thomas Dawson
Mustafa Dayar
Gary Maurice Daymon
Frederic Ronald DeKeyser
Luis Alberto Diaz Castillo
Robert William Dodd

Daniel Paul Dorth
Roger Dwight Erickson
Dale Eugene Fleming
John Alan Fox, Honors
Gene Raymond Freuhling
Vincent Michael Gaughan
Leonard Steven Georgian
James Joseph Gill, Honors
Eugene Gowen III
Marlin Everett Greer
Albert Austin Griffin
Carroll Gunter
Richard Emil Hasselbring
Lawrence Charles Heckler
Harold Henry Heeren
George William Henry, Jr.
Karl Jackson Huehne
Mark Allen Hutner
Jon Arthur Jenny, High Honors
Milo Reed Johnson, High Honors
Richard Howard Johnson, Honors
Meiji Kayvanshokouhi
Ok Kyun Kim
William James Kopacz
Richard John Kostelnick, High Honors
Karl Heinz Krey
James Adolph Kriewall
George Frank Kuchukis
Albin Kulvinskas
Jorge L De Guevara Orozco
Robert Joseph Lanahan, Honors
Quong Hon Lee
Lester Martin Lendrum, High Honors
Frank Roger Lenkszus, Highest Honors
Richard Johnston Lidicker
Gene Victor Lindberg
Ralph Barry Lindquist, Honors
Ronald Dale Lowe
Douglas John Madderom, Highest Honors
John Ernst Nielsen Madsen, High Honors
David Steven Maitland
James Tracy Mansfield
Ali Nawaz Memon
Gerald Donald Miller
Adolph Vincent Mrstik, Jr., Highest Honors
Daniel Lee Mueller
Wayne Thomas Muisal
Charles Ronald Musick, High Honors
Christian Borden Nagel
Fevzi Nergis
Marvin Neil Norman
Thomas Ward Olson
Christopher Pamataitis
Alvin Louis Pavik, Highest Honors
Dennis Gaylord Peterson
Reeve Douglas Peterson
Robert Frederick Preifer
Alexander George Platanitis, High Honors
Charles Leon Pomeracki, Jr.
David Arthur Potter

In Engineering Mechanics

Joseph Arthur Brewer, Jr.
Herm Jay Greenberg
Thomas Arthur Johnson, Honors
Thomas LeRoy Kueck, High Honors
Patrick Joseph Lehnerer
Jerry Merten Ozanne, High Honors
Roger Lawrence Plummer

Nasrollah Baniassadi
Frank Wen Bao
Thomas Lee Berger
William Paul Bleha, Jr., Highest Honors
Paul Bruce Campbell
Charles William Christoe, High Honors
Gilbert Edward Cooper, Highest Honors
Lewis Selig Edelheit, High Honors
David Edgar Edwards, Jr., Honors
Robert Joseph Endorf, Honors
Vance Allen Entnyre
John Albert Hall
Louis George Huszar, Jr.
Ihsan Isak
Bernard Vernon Jackson

Gary Bernard Probst
Erich Raptke, High Honors
Josef Wilhelm Rokus, Highest Honors
Lawrence Rosen
Dewey Merwyn Savage
Richard Henry Schafer
Curtis John Schubert, High Honors
John Leonard Semmlow, Jr.
Patrick David Shea
Gary John Smith
Joseph Terry Smith
Peter William Songefest
Jerome John Stanisz
William George Steiner, High honors
John Edman Strong
Dennis Eugene Stropes
Warren Lee Stutzman
Robert MacDonald Swaar
James Andrew Talken
Carmon Dale Thiem
John Robert Thurston, Honors
Cesar Ernesto Tinoco
Dean Kay Tomlin
Hyman Treibitsch
Ralph Edwin Tygielski
Unal Uysal
Robert Richard Vallen
Stephen Earl Whiteside, High Honors
Robert Dorn Wickersheim, Highest Honors
Donald Robert Wilton, High Honors
Bruce Roger Wuluck
Raymond John Yarema, High Honors
Scott Reau Zehr

In Engineering Physics

John Arthur Johnson, Highest Honors
Deno Kazanis
Thomas Dunster Knight, Highest Honors
Elwood Albert Linney
LeGrand Lynn Malany
Ronald Eugene McKelighen, Honors
William George McPigan
Stephen Sidney Pinsky
Charles Barry Polivka
Jacob David Rubin
Warren Eugene Shufeldt
David Leon Steele, Highest Honors
Eugene Haruo Tademaru, Honors
Liudas Kestutis Volodka
Fredrick Claus Zumsteg, Jr.
In General Engineering

GEORGE RICHARD ARMSTRONG
DOUGLAS ARTHUR BEHMER
MICHAEL L. CLINE
CALVIN HOWELL FITCH
DANIEL ALLEN GOOZE
RONNY HERMAN HAUSCH
ROBERT EUGENE LODYGOWSKI

ROBERT STANLEY POREMBA
JAMES RONALD SACHTSCHALE
ROBERT EARL SEYLER
MERWIN FAY STROOP
JAMES LEROY TOLLMANSON
ELDEN LEON VOLLING
DONALD EUGENE WILKINSON

In Industrial Engineering

ROMAN BILIUNAS, High Honors
KENNETH ROBERT BROWN
GARY REED COXON
ROGER WARREN DANIELS
ARTHUR GEORGE DAVIS
STEVEN HERBERT FRIEDMAN
BERNARD EUGENE JORDAN, High Honors
GUILLERMO MENENDEZ

TOLLEF OWEN NASBY, High Honors
GARRY IRA BERNHARD
DONALD RAY PROCTOR
PETER ARMIN PYHRR
KURT RADTKE
RAYMOND PAUL ROSCHMANN, JR.
DAVID CHARLES STREGE
DENNIS VICTOR WITT

In Mechanical Engineering

KENNETH JOHN ALBERT
EDWIN TULLY ALESSANDRI
RONALD LAWRENCE BALZER
RONALD ALAN BANISTER
SAMPATKUMAR BARNABAS
KLUS BERNHARD
DAVID ROLAND BISHOFF
JAMES LEE BOWMAN
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CHARLES WILLIAM BURGNER
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RICHARD WILLIAM DELLER, Highest Honors

JAMES EDWIN LOVETT
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GUILLERMO MENENDEZ
DAVID ALAN MILLER
SAM ROSS MONTGOMERY
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RICHARD JAMES OXFORD
ASHOKKUMAR MANEKAL PATEL
DALSON RAVAGNANI
GEORGE HENRY REED, JR.
PATRICK DAVID RIORIAN
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ROBERT MAC SCHURTER
MARSHALL MAYER SHIFRIN
DONALD RAY SITTNER
THEODORE CASIMER SKIERSKI
HARRY MARTIN SKOLNIK
EDWARD DONALD SMITH, High Honors
BRUCE WALTON SPENCER, Honors
JOHN JOSEPH STANDARD
JOHN WILLIAM STEINMEYER, Honors
RICHARD BOGUE THOMSON
ROBERT TROJAN
MARK LAWRENCE TURK
RONALD PETER VALLORT
ROBERT ALLEN WARD
BYRON LEWIS WEBBER
CLIFFORD LAWRENCE WENINGS, Highest Honors

JOHN GILBERT WYNNE
WILLIAM HENRY YUNG
EDWARD JOSEPH ZEMANICK

In Metallurgical Engineering

CHARLES JOHN ANDERSON
RONALD EUGENE BAILEY
EDWARD JOHN EFSIC, JR.
FRED MAX FABRICANT

RICHARD LEONARD FORBES
KATHRYN ANN MILLER
FRANCIS ROBERT SETLAK

In Mining Engineering

JAMES EDWARD GRIMES, Honors

GARY DAVID REYSA
COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts

In Home Economics

DONNA LEE BONAKER, Honors in Liberal Arts and Sciences

In Liberal Arts and Sciences

DAVID LINCOLN ADER
MARY ANN AGACINSKY, Honors in Liberal Arts and Sciences
SUSAN KIRKPATRICK ALDER
DANIEL ROY ALLAN
PENELOPE ALDER DICE
GORDON MICHAEL ALPER
BRIAN KELLY ANDERSON
THYRA RUTH ANDERSON
OSCAR WILLIAM ANSELL
STEPHEN MICHAEL ARONIN
LEO JAMES ATHAS
BEVERLY ANNE AUGUSTINE
NICHOLAS BACHYNSKY
SUZANNE MARIE BACHYNSKY
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DONALD SAMUEL BERNSTEIN, Honors in Liberal Arts and Sciences with Distinction in History
CAROL ANN BERTHOLD, Honors in Liberal Arts and Sciences
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CARL PETER BIRK, Jr.
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ETHEL EILEEN BLEICHNER
BERNARTE MAE BODANS
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MARGARET ELIZABETH BRADY, Honors in Liberal Arts and Sciences
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MARCIA BRAVERMAN
ROBERT STEWART BREITZER, Honors in Liberal Arts and Sciences
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JUDITH ANN CHALCRAFT
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EVELYN JOYCE ELENBOGEN
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SIDNEY EZRA
JAMES MICHAEL FARY
BURLTON FEINGOLD
SANDRA LEE FELD, Honors in Liberal Arts and Sciences
RAYMOND JOHN FENCER
CAROL ANN FITCH
JAMES PRESCOTT FLANDERS, Honors in Liberal Arts and Sciences
ELAINE RUTH FLIESER, Honors in Liberal Arts and Sciences
PATRICK LIAM FLiNN
MARTHA ANN FONS, Honors in Liberal Arts and Sciences with High Distinction in English
EVELYNE MONIQUE MARQUERITE POTIADI
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ERNEST FRANKOVICH
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GARY JAY FREEDMAN
JANET TANSLLEY FREEMAN
PEARLIE FREIBERG, Honors in Liberal Arts and Sciences
BETTE SHARON FREEMAN
CAROL ANN FREEMAN, Honors in Liberal Arts and Sciences
HARVEY DONALD FREEMAN
JAY NEAL FREEMAN
RENE SUE FREEMAN
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CHARLES FREDERICK MATZ, Honors in Liberal Arts and Sciences with
Highest Distinction in Botany
ROBERT KENNETH Mazzza
SUSAN CAROL McCINTOCK
JANE ANN MCCULLOCH
JOHN PAUL McMICHAEL
TERENCE RAYMOND MEADE
LINDA HEINKE MEYER, Honors in Liberal Arts and Sciences

1964] UNIVERSITY OF ILLINOIS 1303
VIVIAN ISABELLE MILES, Honors in Liberal Arts and Sciences with High Distinction in Psychology
MICHAEL CLAYTON MOLAY
RICHARD SALESBURY MORE
ALLEN JACK MOSS
HAROLD WILLIAM MOSS
NED TOSHIKI MURATA
RAYMOND JOHN NACIN, Honors in Liberal Arts and Sciences
DAVID DREW NEER, Honors in Liberal Arts and Sciences
BERNARD ANTHONY NEMCHAUSKY
PATRICIA JANE NICOLET
GAYLORD DON NOREN
ERVIN JOSEPH OBERNDORFER, JR.
MARY ELLEN O'GRADY
ANDREA JOHANNA OUSE
JUDITH ANN PACCHIARZ
JULIA LEE PALUCH, Honors in Liberal Arts and Sciences
NANCY ANNE PARDINI
CAROLYN JEAN PARKS
STEPHEN ALLAN PARRETT
JAMES KIRK PEDERSEN, Honors in Liberal Arts and Sciences
JOHN JOSEPH PICCIONE
PHILIP GREGORY PLOTICA, Honors in Liberal Arts and Sciences
REGINA DALUNE POCIUS, Honors in Liberal Arts and Sciences
THOMAS QUINLAN JAMES WAYNE RATAY
BUTCH STEWART SCHWARTZ
NORTON LESLIE SHAPIRO
MUSA ID SHUBBAK
DANIEL RIGGE SHUTE
DANIEL SIEGEL
PHILIP MICHAEL SILVERMAN, Honors in Liberal Arts and Sciences
WILLIAM SIMMONS, JR.
ROMUALDAS SLIVINSKAS
DOUGLAS DALE SMITH, Honors in Liberal Arts and Sciences
ROBERT ALLEN SMITT KAMF, Honors in Liberal Arts and Sciences
MICHAEL HALE SMOLENSKY
ROBERT LAWRENCE SMOLIN
STEPHEN JULES SOGIN
THADDEUS WALTER TRENTO
JOAN CAROL TRUDE, Honors in Liberal Arts and Sciences
JANET ANTONIA TRUTTER
LAWRENCE POUKAKOS
RICHARD CLARENCE PRODOEHL
THOMAS JAMES QUINLAN
WAYNE THOMAS RATAY
RUTA MARIJA RAULINAITIS
DONNA MARIE REID
ALICE EVE RICHTER
ALLAN STEPHEN RIM
RICHARD RAY RINGENBERG, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics
HAL WESLEY ROADS
MARTIN STEPHEN ROCHEFORD, JR.
JOHN SCOTT RODEGHERO
SANDRA DIANE ROMASHKO
PAUL DAVID ROSEN
STUART MICHAEL ROTHSTEIN, Honors in Liberal Arts and Sciences
SHELTON BERT RUBIN, Honors in Liberal Arts and Sciences
HOWARD RUDICH
HENRY DEAN SABERMAN
KENNETH WAYNE SAMonds
ROBERT DAVID SATLOW
DONALD LEO SCHMITT
LARRY THOMAS SCHUBERT
JAN ROGER SCHULTZ
In Physics

WAYNE RAYMOND ANDERSON
MURRAY MICHAEL ARNOLD, Honors in Liberal Arts and Sciences
PETER MICHAEL BENDA
HOWARD EMERSON BOND, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
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HOWARD ALLEN COZZI, Honors in Liberal Arts and Sciences
JOHN STUART ESCHER, Honors in Liberal Arts and Sciences
HOWARD ALLAN GORDON, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

DENNIS JOHN HELFRITCH, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
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JAMES ALDEN JACKOBSON, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
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SHERIDAN LEVIN
WILLIAM FRANKLIN NORTON
JOHN EDWIN REAUGH, Honors in Liberal Arts and Sciences
DAVID JONATHAN SLATE, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
CAPLETON IRVING SWANSON
JOSEPH JAMES Tenicki
VOLKER RUDOLF ULBRICH

In Speech Correction

KATHARINE CHURCH BREARTON, JR., Honors in Liberal Arts and Sciences
JILL MARIE CHECK, Honors in Liberal Arts and Sciences
PENELOPE JANE DEAN
SYLVIA ANN DOHERTY
SUSAN SLATER GARRISON, Honors in Liberal Arts and Sciences
ANN VERNIERE GRIFFEY
KEIKO HARADA
CAROLSUE HARR
MARCIA ELLEN KLAIN
PATRICIA KOMISS
JUDY DONAHUE LARSEN, Honors in Liberal Arts and Sciences
PATRICIA LOU McNALLY

JOAN ELEANORE MCNULTY, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
LINDA LOU PETERSON
SALLY JEAN PETERSON, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
ROSE MARIE REASON, Honors in Liberal Arts and Sciences
CAROL MARIE SCHMIDT, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
ADRIENNE KAREN SCHULMAN
SUSAN WELDEN WHITELEY, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum

In the Teaching of the Biological Sciences and General Science

CONSTANCE LOUISE ANDERSON
BARBARA ELLEN BUESCHEL
JEANNE ANNE CHAMPION
CAROLE JOYCE DELUCA, Honors in Liberal Arts and Sciences
JOHN WILLIAM EASTER, Honors in Liberal Arts and Sciences
RUTH LYNN FINLAYSON
MARY ANN HARRISON
MARtha JANE HILL, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
LARRY MICHAEL HOVEY

BETH ROCHELLE PEDOTT, Honors in Liberal Arts and Sciences
JUDITH ALMA RUBLE, Honors in Liberal Arts and Sciences
MARGARET ESTERLY SCHELLING, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
DONNA LEE SHINDLE
SUELEN MARGARET THOMPSON, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
ELAINE PAULETTE WEISS
SUSAN ETHEL WILLIAMSON

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WYETT HARRISON COLCLASURE II, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

DONNA KAY FITZGERALD

In the Teaching of Geography

MARY SUE SCHEIDENHELM
In the Teaching of Mathematics

SHARON KAY ADE
PAUL EUGENE BIRCH, JR.
HELEN KATHLEEN CURTIS BRENNAN,
Honors in Liberal Arts and Sciences
SANDRA MABEL CAMPBELL, Honors in
Liberal Arts and Sciences
EUNICE DIANE CORREN, Honors in
Liberal Arts and Sciences
RONALD LEE DUGAN
ERWIN EINHORN, Honors in Liberal
Arts and Sciences with High Distinc-
tion in the Curriculum
MERRY EDNA ELMSTROM
ALICE MARIE GEBDANC
LUEVA LIENTZ IRVIN, Honors in Liberal
Arts and Sciences with Highest
Distinction in the Curriculum
CAROLE INA JACKSON
JUDITH KAPLAN
JOAN FRANCES LAFLAMME, Honors in
Liberal Arts and Sciences

In the Teaching of Physics

PENELAPE SUE KIRK, Honors in Liberal Arts and Sciences

COLLEGE OF LAW

Degree of Bachelor of Laws

DAVID APTER, A.B., 1961
DONALD JAMES BADER, B.S., 1962
DOUGLAS BOYD BAILY, B.S., Beloit Col-
lege, 1959
HARVEY BERT BASS, B.S., 1963
RICHARD EARL BROWN, B.S., 1962
ANGELO PAUL BRUSCATO, A.B., Mar-
quette University, 1961
WILLIAM THOMAS CAISLEY, A.B., 1962
EVELYN ALICE SCHINDLER CANNON,
A.B., Brigham Young University, 1958
DAVID MAURICE COHEN, A.B., 1962
WALTER LEWIS CROWLEY, B.S., 1962
CHARLES HENRY DELANO
FREDERICK HOMER DICKSON, B.S., 1962
ALAN EARL EDELSTEIN
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ROBERT VERNON ELDER, B.S., 1962
WAYNE BERNARD FLANIGAN, A.B.,
Xavier University, 1961
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JAMES EDWARD FUSON II, A.B.,
Millikin University, 1959
GERALD LOUIS GAFFNER
JANE GERBSCHER, A.B., Newcomb
College, 1961
JAMES WILLIAM GILLMAN, B.S., United
States Naval Academy, 1956
JAMES LOUIS HAFELLE, A.B., 1962
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SAMUEL GLENN HARROD III, A.B.,
Eureka College, 1963
DADAR BARBER HIPP, B.S., University
of Notre Dame, 1961
HAROLD MADISON JENNINGS, A.B., 1962
LESLEl DEAN KAMPSCHOR, B.S., 1961
JAMES LEE KAPPEL, B.S., St. Louis
University, 1962
LLOYD ARTHUR KARMIEIER, B.S., 1962
RONALD ALBERT KIENLEN, A.B., Un-
versity of Notre Dame, 1961
JAMES DANIEL KING, A.B., Pomona
College, 1961
KENNETH ALLEN KNUSTON, A.B.,
Augustana College, 1961
DADAR LEE LANGE, B.S., 1960
LESLEl GENE LEMON, B.S., 1962
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FRANK WARREN LINCOLN, A.B., DePauw
University, 1961
JAMES ELSTON MOLENAAR, A.B., 1959
JAMES JOSEPH MORRISSEY, JR., A.B.,
1962
RICHARD DAVID NELSON, B.S., 1961
JAMES BRUCE O'BRIEN, A.B., 1962
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PHILIP GODFREY REINHARD, A.B., 1962
WILLIAM GEORGE ROSSING, A.B., 1961
DENNIS ROLAND SCHLIEMMER, B.S., 1961
THOMAS ROY SMITH, A.B., DePauw
University, 1961
MARTIN PETER SPAGAT
HARRY EFFINGER STEWART, B.S., 1961
JAMES CARL SWAIN, B.S., College of Charleston, 1961
EARL ARMOUR TALBOT, A.B., Wabash College, 1961
KENNETH ROBERT TELLEEN, A.B., 1961
BERNARD ANTHONY VALLERO, B.S., Northwestern University, 1959
JOHN CARL WEINMAN, A.B., 1962
WILLIAM COOK WETZEL, A.B., University of Notre Dame, 1961

CHARLES EDWARD WHALEN, A.B., 1962
ROGER LEROY WILLIAMSON, B.S., University of Notre Dame, 1961
DAVID CHARLES WOCHNER, B.B.A., University of Notre Dame, 1961
ALLAN LIONEL WOLYNCE, B.S., University of Hawaii, 1958
PETER ANTHONY ZAMIS, B.S., 1962

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

VALERIE OLSSON ANDERSON
LINDA LEEMON BIGELOW
JANET SPROULS BREMICKER
JOE LUTHER CARTER
VIRGINIA ANN CHEFFER
WILLIAM GEORGE CLEMENTS
SHARON ELIZABETH DITTMAN, High Honors
JAMES ROBERT DUDLEY, Honors
PATRICIA ANN EGAN
JOANNE GIALLOMARDO
SHARON EHRNWALD GORDON
SANDRA ELIZABETH HEBERLING
SALLY LYNN HEIDENBLUT

DARYL JOY JENKS
CAROL ANN JOHNSON
RUTH ANN LENZCYCKI, Highest Honors
JOYCE ANN MILLER
ERNST GUENTHER-SIEGMAR NOACK
JUDITH MARIE PITELKA
JUDITH RENAISS REESE
PEGGY JEANNE SIMMONS
ANITA LOUISE SLUTZKY
JANE ELIZABETH TRAMPE
JAMES STEVEN UNGER
LAWRENCE ROBERT WORKMAN

IN THE EDUCATION OF THE DEAF

JANET LORAINE GASTON
JANICE MAY LINDGREEN
SHARON KAY RATHE

BARRBARA CULLEN SHEPERD, High Honors
BARBARA WHITE

IN THE EDUCATION OF MENTALLY HANDICAPPED CHILDREN

CAROL DIANE BRUNO
SUSAN CAROL FALLON
SUZ-ANN FREIDMAN
NANCY STAKIS HAUGEN, Honors
MICHAEL JOSEPH JAKUPCAK, JR., Honors
NANCY CAROL PETRI
GAIL ELIZABETH PORTER, High Honors

JANE TERRY ROSS
BETTY GREENSPAN SCHENK, High Honors
JANET ANN STEPANNEK
MONICA IRENE STEPHENSON
CAROLE LYN ZEHR
CAROLE WILMARTH ZISSIMOPoulos, Honors

IN ELEMENTARY EDUCATION

BONNIE LEE AARON
CAROL DAVIS ANDERSON
DONNA HARRY ARNSTINE
MITCHELL FENTON ASHER
MELVIN SANFORD BAGAASSEN
JOY MARY BAUSCH
CAROL MAE BAUGHMAN
RENA GAIL BAUT
CAROLYN SOKOL BEATTY, High Honors
MARY JANE BEHRENS
BONNIE PHYLLIS BENSON, Honors
CAROL LYNN BERNARD
MARY LOUISE BERNDT
BETTY JEAN BORLING, Honors
ROBERT OWEN BRADY

JULIANN BEEM BREEDING, Honors
Marilyn Kay BRIGLOW
PATRICIA KAY BUEHLMAN
JOYCE MARIE BUFFO
SANDRA MARIE BURGER
BETHA JOANNE BUSCH
JEAN MARIE CHUSE
PAULETTE IRENE CONDOS
LINDA LILES CORWIN, Honors
ARLENE MAE COSTELLA
JUDITH ANN COX
PATSY HARTMAN CROSS
DOKOTHY JEAN DABROWSKI
MARIANNE DANIELUK, Honors
CAROLYN MARGARET DEKAN
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<td>Carolyn Burke Hastings</td>
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<td>Barbara Keller, Honors</td>
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<td>Sharon Rae Lieberman, High Honors</td>
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<td>Carol Joan Lieberthal</td>
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</table>
BARBARA FRANCES WEINSTEIN, High Honors
KAREN BETH WEINTRAUB
BEVERLY HELEN WHITE
JANET JO WIEAND
VERONICA JUANITA WILLIAMS
BARBARA REYNOLDS WILSON
SUSAN ANN WITT

MICHELE SUE WOLFE, Honors
NANCY LEIGH WOLFF
NORMA JOYCE WOOLLEY
THELMA MAE WOOLLEY
VIRGINIA LYNN YOUNG, High Honors
JOYCE MARIE ZABINSKI
LYNNE ZELKIN, Honors

In Industrial Education

NED WILLIAM BACHELOR
THEODORE DAVID BLOCK
MELVIN NICHOLAS JENT
DAVID JOHN MHHIS
HERBERT HARUKI OKAMOTO

DONALD EDMUND PERRERO
WILLIAM RAMSDEN PUNKAY
THEODORE FRANKLIN STRANZECZ
BOD LLOYD SWEAT
LAWRENCE RUSSELL TRIPPLED

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

PAUL ALPERN
PAUL BENNETT ANKIN
JAMES JAY ARADO
HARRY JOHN ASHNER
WILLIAM PATRICK BERRY
DUSAN ANDREW BLAHO
ALLAN MARTIN BLOCK
NEAL JAY BLOCK, High Honors
WILLIAM HOWARD BLOOM, Honors
JAMES LEE BOLLWINKLE
JERRY DALE BOOSE
ALAN SANFORD BRAMSON
SHELDON ARNOLD BRODER
CHARLES ALLEN BROWNFIELD
TERRY RICHARD BURKE
PHILIP EDWARD CAREY
NORMAN GUSTAF CARLSON
STEPHEN JOHN CHODOT
ALLEN ROGER COTTAL, Honors
EDWARD NORMAN COVIC, Honors
DONALD LAWRENCE DIXTON
ALAN SESSEL DOCKTERMAN
DONALD JAMES DONNELLY
WILLIAM DARRELL DUDLEY
BURTON MYRON EISENBERG
ROBERT WILLIAM ELLIS
TERRY LESTER ENGEL
CHARLES BENSON ENGVALL
JOHN KENNETH FAIRIS
ALEN HOWARD FEIGE
JAMES HALL FOX
THOMAS JOHN FRIEDL
MICHAEL RAYMOND FRIEDRICHS, Honors
MICHAEL LYNN FREIZE
BARBARA JEAN FROSS
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RICHARD ALAN GORDON
PENOPELLE ANN GRABOS, High Honors
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MICHAEL GROBSTIEIN, Honors
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NATHAN MELVIN GROSSMAN

MILES NEIL HARTMAN
MARK DAVID HELLMAN
MARC MAE HENDRICK
JOHN EDWARD HENRY
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SEYMOUR JOSEPH HORWITZ
LYNN LOUIS HUMBRACHT
ROY CHARLES ICENIGE
JACKIE LEE JAMES
DARRELL RUSSELL JOHNSON
RICHARD ALAN JOHNSON
ROBERT GEORGE JOHNSON
PHILIP HOWARD KAPLAM
RICHARD NEAL KAPLAN
OTTO HERMAN KAUFMANN
ARNOLD DAVID KAUFMAN
PAUL STUART KAYMAN
BENJAMIN KENDALL
RONALD LANE KIDDOW, High Honors
JOHN JOSEPH KILLIAN, JR.
THOMAS EUGENE KILPATRICK
GEORGE JAMES KOTTY
JEROME BARRY KRULE
RAYMOND LESLIE KRUPP, Honors
PETER ANDREW LARSON, Honors
ANDREW HARRY LAWRENCE
LEN LAWRENCE LEFEBRE
MORTON ALLAN LEVY
ROBERT JAY LEWIS
DENNIS ROBERT LITZ
ELMER HARRY LOREK
LINDA MARTIN
STEVEN DAVID MASUR, Honors
JAMES WISE MATHEWS
LAWRENCE ELBERT MAUS
RONALD WILLIAM MCCANNE
JAMES ARTHUR MEYER
DONALD JACK MILLMAN
DONALD REID MITCHELL
RONALD MARCUS MOSE
DAVID EDMUND MOSS
MARTIN SELMA NEUMANN
PAUL MARTIN ORZECH
PHILLIP ROGER PEARSON, Honors
GENE ALLEN PETERSEN, Honors
BRUCE ALAN PETERSON
ROBERT KEVAN POLOVIN, Honors
DAVID LEE POPEJOY
KENNETH WAYNE POTENBERG
WILLIAM RICHARD PRICE
RICHARD ALBERT Pritchett
LeROY JOSEPH PRZYBYLSKI
ROBERT HAMILTON RENNICK, Honors
SUSAN ELIZABETH REYNOLDS
GORDON LOUIS RITTER
JAMES EUGENE ROSE, Jr.
MARK ROBERT ROSENTHAL
DAVID ALLEN Ross
JERRY DAN RUDMAN
PETER MARK RUZEVICK
WILLIAM ROBERT SARVER
LEON JEROME SCHACHTER, Honors
GAUL EDWARD SCHIPLER
WILLIAM PETER SCHWARZ, Honors
SUE ANN SELBY
LAWRENCE LEE SENGER
MARTIN SEWARD
IRWIN ROBERT SHECHTMAN, Honors
DANIEL LEE SHELLIST
CHARLES SHELDON SIMON
GEORGE WILLIAM SMITH, Jr.
FRANK LAWRENCE SOLINE
DAVID BARTH JOSEPH SOMMER
THOMAS WILLIAM SOWDEN
SANDRA SUE STEPHENS
JOHN KING STEOCEKET
WILLIAM ROBERT TEMPLE, Jr., Honors
WILLIAM LLOYD THOMSON
FRANK CHARLES URBAN, Jr.
RONALD JOSEPH WEDRYK
ROBERT FRANCIS WEILAND
ARNOLD WEINBERG, Honors
MABEL ROSELLYN WEIR, Honors
BONNIE SUE WELLS
MICHAEL BRUCE WERNER
JERRY JOSEPH WEGANUT, Honors
JACK BURTON WOLLMAN, Honors
MICHAEL ALLAN ZELMAR

In Commerce and Law
RALPH SPENCER BECK
JOHN DOMINIC BRECLAW
ALAN EARL EDELMAN
ALLEN EPHRAIM KANTER
LUDWIG JAMES KUHAR
DOUGLAS FARRELL MITCHELL
CLARENCE OWEN REDMAN
JOHN MICHAEL SEITMAN
RICHARD PAUL VULLO

In Commercial Teaching
LINDA CAROL BRENT, Honors
SHIRLEY MARY Buss
MICHAEL CARL CELAREC
MYLA GANGNER
SHIRLEY KAY JANES
MARJORIE KAY MITCHELL
Geraldine Louise Szott, Honors

In Economics
MICHAEIR IRWIN BROWN
ROBERT CARLYLE BUMBA
WESLEY KEITH CAINE
LYLE NIELSEN CLAPPER
ROBERT MARTIN COOK
WILLIAM JOSEPH EVANS, Jr.
DARLA PENELPO HANLMAN
JIMMIE LEE JENKINS, Jr.
JOHN PATTERSON MYERS, Honors
ALAN OSHEFF
GEORGE JOHN REPSOLD III, High Honors
PAUL EGN ROGE
SPENCER MICHAEL STAR
PAULA SUE STURGEON
JOHN JOSEPH VALENTINI, Honors
ROBERT LE ROY WHIPLE, Honors
FRED WILLIAM WITTHAN
STEPHEN BUDDY YACHNIN, Honors

In Finance
ROBERT HERMAN BECKER
NICK BROWN
CHARLES ANTHONY BUNIS
BARRY RICHARD DUKE
LLOYD STANLEY EPSTEIN
JOSEPH ROBERT FERRINI
CHARLES ALAN FINKEL
DAVID HAROLD FISHBURN
JOSEPH FREDRICK FOUTH
DANIEL JAY GALLINGTON
JAMES FRANCIS KABLEC
DONALD MARTIN LEIBSKER
ROLAND FRANK LEISCH
GEORGE JOSEPH RODOSKY
MICHAEL JAY ROSS
FRED ARMAND SANTOGROSSI, Jr.
DONALD JAMES SCHINKER
DONALD LEE SCHRUMPF
RONALD MERRITT SCHUTZ
LEWIS NEVIL SKYERS
ROBERT WAYNE SMELSER
WILLIAM ORREN STAHLIN
ROGER BRUCE SWIFT
RONALD STEVEN UKOVICH
JOHN PHILIP ZENTNER

In Industrial Administration
LARRY ARTHUR BEAR, Honors
ROGER WILLIAM BRODT
ROBERT LOUIS GETTS
GLENN RICHARD HANSEN
In Management

JAMES WILLIAM BENSON
DONALD ALLEN BLUM
RONALD KEITH BRINK
MICHAEL LEWIS COHEN
JEFFREY ALLEN EISENBURG
RODNEY LEE EVERHART, HONORS
JUDITH ANN FARBER
ALAN JAMES FOLK
THOMAS LAWRENCE GIGLIO
DAVID LESTER HUTCHINSON
STEPHEN WAYNE KOONTZ
ALAN MICHAEL LEZAK
ROBERT WILLIAM LIPPERT, JR.

In Management and Marketing

BRUCE EDWARD BAUMAN

In Marketing

JOAN MARIE BARKS
EUGENE LOUIS BERGERON
CHARLES KENNETH BLOOD, JR.
PHILIP SHELDON BLOOM
ROGER SCOTT BOWMAN
PHILLIP ROBERT BUDD
WAYNE BUETTNER
HENRY SHOU-MAY CHA
GEORGE MICHAEL CHARNOTA, HONORS
DAVID ALLEN DANDURAND
KATHLEEN MARIE DAWES
JOHN DAVID FOX
HOWARD FRANK
DANIEL GRIFFIN GALLAGHER
RONALD ALAN GAYE
PAUL ERNEST GEBHIS
JAMES PAUL GRAZIANO
BRUCE ALAN GROHNE
ROLAND VICTOR HOLM
JAMES CRAIG JOHNSON
JAMES ARTHUR KELLY, JR.
MARTIN ALLEN KLEIN
ROBERT JOHN KURINSKY
MICHAEL JAY LAGDON

In Secretarial Training

MYRNA KAY CANFIELD
GAYLE HOFFMANN CHOBOT
RITA MARLENE ENNEN
LOIS ANN GOODELL

In Urban Land Economics

JOHN NEVIN DICKIE, HONORS
WARD FULLER McDAVID

COLLEGE OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Communications

GLADYS Harriett ACKERMANN, HONORS
ANNIE LUCILLE ARMSTRONG

CAROLE BELIMOW
CYNTHIA LOUISE BELOWS
MARGARET GRIEUINGER BIRK, Honors
ROBERT MICHAEL BLACHER
JANE GRIFFIN BODMAN, High Honors
JOHN JOSPEH BREEN
ELWOOD ALLAN BRENT
THOMAS EDWARD CARUSO
RONALD WILLIAM CASSON
RICHARD KEITH COLLOPY
JAMES EDWARD CRAKEL
JOSEPH HARRY DOWELL
BARRY JOHN DURAND
ROGER JOSEPH EBER
JOHN FREDERICK FERRELL
DENNIS MICHAEL FINNERAN
JOHN CHARLES GAWNE
KATHLEEN MARIE GEORGE
MARTA DENISE GORMAN, Honors
ROBERT PETER GUNDERSSEN
BRUCE DAVID HANDLER, High Honors
SHERIDAN MCCUNN HANSEN
JAMES MICHAEL HANSON
JOEL LANNING HARTMAN
JOHN EMER HENDRICKS
DONALD ALISON HENRY III
JUDITH RIEGER JENNINGS
CAROL ANN KASL, Honors
JOHN MICHAEL KEEFE, Jr.
JAMES CURTIS KNOX
RICHARD LEE KNOX
CAROLE MARIE KOLENS
ROBERTA JUNE KURTZMAN
JOAN DONNA LAFINE
LOIS RUTH LEVY

JANICE GAYLE LIND
BEVERLY KAY MAEDA
THOMAS DUAINE MANDEVILLE
PAUL MARTIN MAFZAJ
CAROLYN ALBERTA MILLS, Honors
JOHN PAUL MOCKENHAUPT
MARY SCHNITZER MUNSON, High Honors
WILLIAM LOUIS NACK
MERLE BETTIE NADL
THOMAS JOSEPH NEFF
LINDA MARIE NOVACK
FLOYD WILLIAM OSTERMAN
JAMES FRANCIS PECORA
CHARLES EDWIN QUARNSTROM
PEGGY CRISTINA RICHARDSON
THOMAS PATRICK SABIN, Honors
DARRELL LYNN SAMET
WILLIAM ALFRED SCHILLER
ROCHELLE HARRIET SHERLING
BETSY RUTH SIEGEL
THEODORE LEONARD SODERGREN
CAROL ANN STEVENS
NANCY KATHRYN STRATMAN
GEORGE GREGORY TAUNBEN, Honors
LYNDELL DALE WALLIS
MARY FRANCES WARE
WILLIAM HARRY WEINTRAUB
DAVID JOSEPH WEISS
JANET WHITNEY
JOHN PATRICK WIESE, Honors
JILL SUSAN WINE
FRANK CHARLES ZAHOUR, Jr.

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Architecture

OSMAN MOHAMED ABUSHAIRA
STANLEY LEONARD ANDERSON, Honors
HOMAYOUN MORAD ARJMAND
WARREN STANNARD BAKER, Honors
BARTON HENRY BARROW
WALLACE WILLIAM BATES
NATHANIEL BOYD, Jr.
EUGENE RONALD BRESE
KENNETH NAYLOR CLARK, High Honors
SLOBODAN VOJTSVLAV CURCIC, High Honors
ROBERT JOHN DEMA
JOHN DAVID DUELL
WILLIAM HENRY DUNN, Jr.
RONALD FRANK EDWARDS
THOMAS LEE ELLIOTT, Highest Honors
WILLIAM HORACE ERWIN, Honors
ALFRED LAWRENCE SPINOZA
JACKSON HILL FARNESSTOCK, Jr.
ALAN JEFFREY FOX
ROBERT MELVIN FRIEDMAN
ANTHONY RICHARD FRIGO
JOYCE MICHYCO FUJIMOTO
JON ALBERT GOEDDE
KARL HARTNACK
HOWARD HERMAN HUMBURG

BENNETT MACCUAIG JOHNSON
RONALD WAYNE JONES
GEORGE WILLIAM KASPER
ROLAND RAY KEHE
DENNIS HEE JOONG KIM
ARTHUR CHARLES KUEHN
JOHN ROBERT LA CONTA
JAMES KENNETH LEE
RONALD DEAN LINDGREN, Highest Honors
CHARLES CLYDE LOZAR, Honors
EUGENE ANTHONY MACIASZEK
JOHN GUY MARKER
JOHN RALPH MASEL
JOHN EDWARD MCCOOL, Honors
CHARLES LOUIS MCNABB
CHESTER LEE MICHELL
GEORGE LEROY MILLER, Jr.
THOMAS JOHN MIRON
CHARLES RAYMOND NASH
JOHN RAYUAH
RICHARD JOSEPH POLLAK
DEBORAH MACY PRATT
LESTER EDWIN ROSENWINKEL
DERWOOD DEAN SCHROYBERGER
THOMAS WILLIAM SHEEHY
JERRY LOUIS SMANIA, High Honors
Robert James Sorensen
Jerome Allen Stefani
James Philip Steinfels
John Colburn Steinmann
Michael Jay Stepner
Laurence Elwood Svab, Honors

Raymond Lynn Tetzlaff
Charles Milton Tinder, Jr.
Ronald Edmund Wagner
Ronald Emory Walkington, Honors
Kenneth David Wertz
Dennis Nicholas Wonderlick

Degree of Bachelor of Fine Arts

In Advertising Design
George Calvin Bruce
Jane Gayle Culley
Carolyn Sue Davenport
Georgia Allen Friggle
Janet Anne Hamilton
Brenda Sue Nelson Hayes
James Carol Hertter
Judith Ann Holpuch
Harold Eldon Hussung
Robert Emil Hutzenlaub
Carol Lou Sizemore Isberg

Darlene Elizabeth Johnson
Brian Murray Katz
Robert Henry Nelson
John Helmut Pacyna
Alford Lealous Rodgers, Honors
Karen Joann Russell
Kenneth Wayne Taishoff
Guenther Tetz, Honors
Dennis Alan Whitlock, Honors
Bobbie Samuelson Zelip

In Art Education
Adrienne Behrstock Aaronson
Marlene Beth Andalman
Linda Lou Stump Beazley, Honors
Judith Natalie Bennett
Gerald Kenneth Deasy
Hong Tatt Foo, High Honors
JoAnn Freehill
Carol Jean Happel
Albert Frederick William Jaeger, Jr.

Richard James Karrels, Honors
Penny Hult Linford, Highest Honors
Jean Ann Magner
Fern Alyce Marmis, High Honors
Beverly Lynn Miller
Marsha Lee Moskowitz
Rosalie Janet Smotzer
Barbara Jean Taussig, Honors

In Crafts
Raymond Thomas Sparks

In Industrial Design
Robert William Dohm
Jay Allan Doniger
Norman Roland Furst
Mark Edwin Houmand
Terry Allan Johnson, Honors
Richard Arnold Kriozere

Fred Michael Marcus
Frank Jack Merle
Rimvydas Anthony Tveras
Keith Lewis Wallach, Honors
John Douglas Whitlow
Philip Cleer Yenerich

In Landscape Architecture
John Robert Buschi
Gerhardt Henry Felgemaker
Thomas John Flynn
Joseph Lester Geraci
Charles Harris Gouveia
Vincent Frank Nauseada

Joseph Noah Neivus
Charles Hobart Peterson
Thomas LeRoy Stephens
Charles Hansen Thomsen
Charles Sheldon Tuofsky
Robert Bruce White

In Painting
Sarah Hudson Bennett, Honors
Sandra Harvey Bunning
Joann Bernreuter Caldwell, Honors
Mary Louise Cummins
Susan Janet Fritz
Sue Perry Gebhardt, Honors
Roger Michael Gustafson
Harold John Hansen, Honors
Susan Levin, Honors
Barbara Schucker Marquardt
Regina Mary Matusevicius

Holly Beth Meilstrup
Nancy Morris, Honors
Stuart Anderson Ochiltree
Mary Theford Parmele, Honors
Nancy Sue Reynolds, Honors
James William Sajovic, Highest Honors
Donna Mae Schlegman
Evan Errol Sommerfeld
Gordon David Wine, High Honors
Dorothy Yaver, Honors
In Sculpture

Frederick Vandiava Glover

Jay Stewart Willis

Degree of Bachelor of Music

William Stewart Parsons, High Honors
Karen Carlson Rogers, Highest Honors
Lawrence Eugene Weller, Honors

Degree of Bachelor of Science

In City Planning

Dale Gordon Bagby, Highest Honors
Leon Thomas Kotecki

In Music Education

Freelyn Alice Arbeiter
John Stanley Lyon

Thomas Clark Baker, Honors
Ellen Marie Martin

Darrell LeRoy Bartel
Curtis Lee McCarty

John Craig Begun, Honors
Sharon Lee Mooney

Patricia Joan Bertelli
Janet McCabe Moore, High Honors

Mary Ellen Blanchette
Nancy Anne Nelles, High Honors

Ann Lorene Cervera, Honors
Roman Ray Palmer

Peggy Jane Curtis, High Honors
Norma Kay Riddle, High Honors

Alan Chester Davis
Joey Royce Schwaegel

Grant Wittwer Doucherty, Honors
Linda Kathleen Shontze, Honors

Sandra Lee Eggert, Honors
Susan Rixmann Small

Reba Ann Humphrey
Anna Mae Sokolowski, Honors

Diane Sue Hurd, Honors
Phyllis Joyce Vahala

Marilyn Kathleen Kemp
Lawrence Eugene Weller, Honors

COLLEGE OF PHYSICAL EDUCATION

Degree of Bachelor of Arts

In Dance

Mary Estelle Greenway

Degree of Bachelor of Science

In Health Education

George David Burgess

In Physical Education

Patricia Raye Alexander
Ronald Arthur Kroll

Lenora Jean Bormet
William Alfred Lapietra, Honors

Riley Franklin Bridgers
Alan Kent Larson, High Honors

Gary Verne Burton
Chris Anthony Milesis

Allen Barry Carius, High Honors
Mary Ann Felicia Mittu

Ellen Jane Carr
Dennis Harold Moll

Diana Lee Chern
Robert Joseph Mulcahy

Hugh Francis Doran
Howard Sheldon Oleff

LaVerne Rose Duleba
William John Ormsby

Jeffrey Lee Ferguson
James Lemuel Plankenhorn

Nancy Jean Ferguson
Paula Marie Powers

Kathleen Kelly Finneran, Honors
Marvinia Mae Randolph, Honors

Albert William Fleming
Frederick Dennis Robin

George John Galla
Jay Ira Silverman

Phyllis Jean Glenske, High Honors
Virginia Susan Sowizal

Gregory Dixon Gwin
Jane Frances Speiser

Douglas Alexander Jaffray
Georgia Louise Steffens

Ronald Lynn Keller
Llaslo Ernie Takn, Honors

Ronald Lawrence Kiersch
James Mild Thomas

Alfredas Petras Kleinaitys
Toni N. Tipt, Honors

Thomas Lee Koenig
Edward Ronald Toman
UNIVERSITY OF ILLINOIS

JUDITH ANNE TORRES
RAYMOND JOHN URBAN

NORMAN LEE WILLIS
TERRY ROBIN YEAGER

In Recreation

CARYN ROSEN ADELMAN
ARLEEN RUTH BAKER, Honors
SHARON BEVERLY COFFMAN
AUSTIN LOUIS DUKE
ELIZABETH ANN ERSKINE
RAYMOND JOSEPH FROEHLICH
ALAN FREDERICK GOTTLIEB
DAN WILSON KENNEDY

SUSAN ANN McMULLEN
SONYA ANN MENSENKAMP
CAROL ANN PETERSON, Honors
DONALD JOSEPH PUCHALSKI
SUE BRNA ROSENZWEIG
LAWRENCE HENRY STERN
MARY DEMMAREE SUNKEL

COLLEGE OF VETERINARY MEDICINE

Degree of Bachelor of Science

In Veterinary Medicine

MIRIAM RISA ANVER, Honors
RONALD LEE BAYLOR
YEHAYAHU BEN-HUR
GARY WAYNE BRANDT
SALVATORE MICHAEL CIRONE
DON WEBSTER COATS
SUSAN MARY COTTER, Honors
JERRY WAYNE DAVIS
WINFRED DUANE DEAN, Honors
STEPHEN KOCH DERWELIS, High Honors
WILLIAM BRUCE DOUGLAS, Jr.
ROGER GALE DOZIER, Honors
ALLAN FREDRECK FRANK
ROBERT WESLEY GIBBONS
DENNIS ROBERT GROOM
RICHARD GLENN HAARS
GERALD LEE HENRIKSEN
DENNIS KAY JOHNSON
RUDOLPH ALAN JOHNSON
JOHN THOMAS KELLY, Jr.
ROBERT LEE LACEY

JOSEPH THOMAS LOWRY
CLYDE DAVID MCNAUGHT
EDWIN LEWIS MCNAUGHT
KAREN ELIZABETH McNEIL
ROBERT WILLIAM MEAD, Honors
ROSE ANN PELLEGRINO
CURTIS ALLYN PERRY
DAVID ALAN RHODES
MICHAEL PHILIP RILEY
JAMES LLOYD RISING
ERNST STEPHEN SAUERS, Honors
GRADY LEON SKAGGS
CAROL ANNE SPEARS
CHARLES DALE SPENCE
THOMAS BRENNEN STEFFEN
DENNIS RAY STUBBLEFIELD
TIMOTHY LAWRENCE SWIECKI
TED CLARK WALTERS
JOEL KEITH WESEN
WILLIAM HOWARD WRIGHT

Degree of Doctor of Veterinary Medicine

SUE ELLEN ANWAY
JOHN BRUCE ARENSMAN
RICHARD FITZHUGH BEVIL, Jr., Honors
JOHN ALLEN BLAKE, Honors
RONALD WILBER CAMDEN, Honors
PAUL LEE CARON
HAROLD HALLAM CLARK
EDMOND ARBER COCKS
DANIEL LEE CORNELL
DONALD EDWARD COULTER
GEOGE GERALD DOERING
JOSEPH LAWRENCE DORNER
ROBERT WILLIAM DYER
NORMAN LESTER EARP
JACK DAVE FRANKLIN
AUSTIN JAMES FURLONG
CYRIL J. GREENSPAN
HERBERT HARDWICK
VIRGIL EUGENE HOKGRAYVER, Honors
WILLIAM KENT KERR

ARTHUR FRANKLIN LIPPOLEDT
WAYNE EDWIN LUTZ
JERALD MICHAEL MARTELL
RICHARD ELMER MILLER
WILLIAM JAMES MOYLES
WILLARD BURTON NELSON, Jr.
ROBERT AARON NIEDERMAN
CHESTER FRANK PALMER
NEVEN ALEKSANDAR POPIC
JOHN WILLIAM SAGERTZ
DELMAR WAYNE SCHLEIDER
JAMES DAVID SMALL
NICHOLAS SZILLA
JAMES MILTON TUCKER
KENNETH LEE WALKER
BARBARA CECILE WESTPHAL
LARRY EUGENE WILSON
JAMES ARTHUR YOUNGREN
BARRY EUGENE ZONKEL
Degrees Conferred at Chicago

HONORARY DEGREES

Degree of Doctor of Arts


GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Biological Chemistry

John Ralph Edwards, B.S., Illinois Wesleyan University, 1959
Ralph Raymond Gantt, A.B., Blackburn College, 1958
Erich Leonhardy Gibbs, A.B., Harvard University, 1959
Caroline Elisabeth Hardy, B.S., Wheaton College, 1960
Leon Maurice Lerner, B.S., M.S., Illinois Institute of Technology, 1959, 1961
Edward Paul Previc, B.S., Carnegie Institute of Technology, 1953
Robert F. Skora, A.B., Kalamazoo College, 1956

In Chemistry (Pharmaceutical)

Angel Sevilla Arambulo, B.S., University of the Philippines, 1950; M.S., 1952
David B. Katague, Jr., B.S., University of the Philippines, 1955; M.S., 1962

In Microbiology

Robert Leander Gustafson, B.S., University of Chicago, 1959; M.S., 1962
Bernard Richard Tess, B.S., Loyola University, 1958
Eugene Maximillian Vaichulis, B.S., University of Notre Dame, 1959; M.S., 1961

In Pharmacology

Lorenz Martin Hofmann, B.S., M.S., 1959, 1961

In Physiology

Gladys Atkins, B.S., Louisiana College, 1956; M.S., Louisiana State University, 1958
David Sherwin Mailman, B.S., University of Chicago, 1958

Degree of Master of Science

In Anatomy

Birutė Pleskys Jakstys, B.S., 1960
Patricia Sclafini Tornheim, A.B., Rosary College, 1961
Elaine Blume Wilson, A.B., Swarthmore College, 1958

In Biological Chemistry

Graham Arthur Rogeness, A.B., Dartmouth College, 1960
Arnold David Steinberg, D.D.S., Northwestern University, 1954

In Chemistry (Pharmaceutical)

Vincent Chukwudozie Agwada, A.B., Eastern Nazarene College, 1955; M.S., Western Illinois University, 1961
Karen Rover Sandberg, B.S., 1961

In Histology (Dental)

Emile Moores Davis, B.S., Fort Valley State College, 1942; D.D.S., Meharry Medical College, 1948
Jaime Pietrokovski, D.D.S., University of San Marcos (Peru), 1955
Norman David Rotblat, B.S., 1961
Michel Tagger, M.D., Hebrew University (Jerusalem), 1959
In Microbiology
James Vernon Kopp, B.S., University of Akron, 1962
Janet Joan Sieber Meyle, A.B., Valparaiso University, 1962
Leonard Thomas Molander, B.S., Loyola University, 1962

In Oral Pathology

In Oral Surgery

In Orthodontics
Norton Alvin Eisenberg, D.D.S., Ohio State University, 1962
Elsa Lo Chocon Seiton, D.D.M., University of the East (Philippines), 1957
Major Adviser: Allan G. Brodie, D.D.S., Ph.D.
David M. Solomon, B.S., Fordham University, 1956; D.D.S., University of Maryland, 1960
Lawrence Dexter Woodford, B.S., University of Toledo, 1958; D.D.S., Ohio State University, 1962

In Pedodontics
John Aristidis Gallios, A.B., Wabash College, 1952; D.D.S., Northwestern University, 1956
Roger Kazuhiko Kuwabara, A.B., State University of Iowa, 1955; D.D.S., Howard University, 1959

In Pharmacology
Edward Tracy Browning, B.S., Purdue University, 1961
Roger Gene Unzicker, A.B., Goshen College, 1961

In Pharmacy
Ronald Louis Foreman, B.S., 1960
John Henry Lewis, B.S., 1962
Song-Ling Lin, B.S., National Taiwan University (China), 1959
Robert Earl Pearson, B.S., 1962

In Surgery
Robert Pleasants Gordon, Jr., A.B., Princeton University, 1954; M.D., Northwestern University, 1958
Roger Lee Mehl, A.B., University of Washington, 1957; M.D., University of Maryland, 1961
John James Minster, B.S., M.D., Loyola University, 1954, 1956
Hassan Najafi-Mahalati, M.D., Tehran University (Iran), 1954

COLLEGE OF DENTISTRY
Degree of Bachelor of Science in Dentistry
Conferred June 7, 1963

Arno Wilhelm Bartz
Michael Vincent Farr
John Marcellus Beatty, A.B., Southern Illinois University, 1961
Howard Ivan Feig
Jordan Charles Block
Michael Edwin Fesler
Joel Leon Burman, B.S., 1959
Curtiss Orval Floyd
Patrick James Canaday
Michael Joel Gebhart
Steven Paul Collins
Michael David Hayward
John Thomas Corsten
Robert Marshall Hewitt
Robert Stephen Densford, A.B., De-Pauw University, 1961
Morris Alvin Hicks
Dale Richard Eisenmann, with Honors
Ronald Maurice Highton, B.S., Roosevelt University, 1961
Michael Vincent Farr
Leo Lucas Jaeger, with High Honors
Robert Richard Jensen
1318 BOARD OF TRUSTEES

ROBERT EARL JOURGENSEN
GEORGE IRENE KAYAN, B.S., University
of Chicago, 1961
FRANK JAMES KEROU, A.B., Knox
College, 1961
KARL WYLDKE KNEWITZ
GUSTAV ROBERT KOZINA
JOHN CHARLES KRISCHIK, A.B., North-
western University, 1961
STEVEN YOSHIKAZU KUMAMOTO
RICHARD MELVIN LAINSON
THOMAS WALLACE MANSFIELD, B.S.,
1961
RICHARD PHILIP MARTINO
ALLEN DAVID MARKS
VYTAVRAS ROMUALDAS MOCKUS
KENNETH PAUL MOLNAR, B.S., 1960
DON RAYMOND MORRIS

ROBERT JAMES NUDEPA
BRIAN CARL PAINTER
MICHAEL STUART PATNER
JAMES WILLIAM PAUL, B.S., St. Louis
University, 1957; M.S., 1961
WILLIAM ANDREW SCHAUCKEL
DUANE EUGENE SODATI
JAMES ALLEN SPELICH
ROBERT VINCENT STARVEL
LEE JOHN STOPHANOS, A.B., Augusta
College, 1961
RICHARD LEWIS TEGA
MICHAEL ANDREW TURK
THOMAS CHARLES VOGT
WAYNE ROBERT WITT
ROBERT RICHARD ZENDT, A.B., Knox
College, 1961

Conferred September 7, 1963

ERWIN GOLD

Degree of Doctor of Dental Surgery

Conferred September 7, 1963

LEWIS WILLIAM EXUM, B.S., Youngs-
town University, 1955
ERWIN GOLD
ROY ALFONSO Jones, B.S., Howard
University, 1959; B.S., 1961

Conferred December 21, 1963

WILLIAM DEAN BROWN

Conferred June 11, 1964

ALLEN WENDELL ANDERSON, B.S., 1962
GUNA MARA ANDERSON, B.S., 1962
HELMUT ADAM AWENDER, B.S., 1962
KENNETH EDWARD BALA, B.S., 1962;
with Honors
ROBERT STANLEY BECKER, B.S., Beloit
College, 1960
JAMES ALLEN BERENS, B.S., 1962
RICHARD JEROME BERKE, B.S., Drake
University, 1960; B.S., 1962
HOWARD THEODORE BLOCK, B.S., 1962
HAROLD WILLIAM BONUS, B.S., 1962
MELVIN BURACH BORG, B.S., 1962
JEFFERSON COLUMBUS BROCK
JAMES WENDEL BUCKMAN, with Honors
DONALD ANTHONY CAROLLO
RICHARD JAY CHROMAN, B.S., 1962
JAMES MICHAEL COGACINE
NELSON THOMAS CROWELL, B.S., 1962
SAMUEL A. DANIELS, A.B., Macalester
College, 1958
MICHAEL JOSPEH DAVEY, B.S., 1962
DONALD JOSEPH DE CHRISTOPHER, B.S.,
1960, 1962
MAURICE DICKMAN, B.Ed., Chicago
Teachers College, 1953; B.S., 1962
LONALD JOE FOX
THOMAS BLAIR FRAZIER, A.B., Mon-
mouth College, 1960; B.S., 1962

JERRY DEAN GARDNER, B.S., 1962; with
Honors
GARY ALLEN GASBARRA, B.S., 1960, 1962
CARL RICHARD GILMORE, A.B., Beloit
College, 1960; B.S., 1962
JAMES ELMWOOD GORMAN, B.S., Eastern
Illinois University, 1958
LEON FLOYD HARRES, B.S., 1962
STUART HARVEY HELLMAN
CHARLES ERIC JOHNSON, B.S., 1962
WILLIAM NILS JOHNSON, B.S., 1962
RICHARD DUKE JONES, B.S., 1962
WILLIAM JACKSON JONES, B.S., 1961
KARL WYLDKE KNEWITZ, B.S., 1963
PETER KOBES
ALEX JOHN KRAMER
ALBERT HENRY KRAUSE, B.S., 1962
WILLIAM JAMES LAMBERT, B.S., Roose-
evill University, 1960
STUART ELTON LARSON
WAYNE DENNIS LARSON
ROBERT MICHAEL LAZERSON, B.S., 1960
ROBERT JOHN LOWTH, A.B., Southern
Illinois University, 1960
ALLAN MARTIN MALIANS
RICHARD PHILIP MARTINO, B.S., 1963
GEORGE BURLAND MAXWELL, JR., A.B.
Southern Illinois University, 1960;
B.S., 1962
ARMEN MICHAELIAN, A.B., Fresno State College, 1960
ROBERT KAY MICK, B.S., 1962
ALAN MICHAEL MILLER
LARRY RAY MITTENDORF, B.S., 1962
RONALD EUGENE MIZER
JAMES WILLIAM MOONEY
LAWRENCE ROBERT NEIMARK, B.S., 1960
IRWIN JAY PINK
ROBERT JOSEPH POOKORNY, B.S., 1960
GARY ALAN QUICK, B.S., 1962
ROBERT ROBINSON
FAYE ARTHUR ROSENBERG, B.S., 1962
NORMAN DAVID ROTBLAT, B.S., 1961
SHELTON ARNOLD RUDNICK, B.S., 1962
ALAN JAY SHAPIRO, B.S., Roosevelt University, 1960; B.S., 1962
NEIL HOWARD SHULKIN
DENNIS LEE SLUSKI
DONALD CLARENCE SORENSEN
SAUL SOSIN, B.S., Roosevelt University, 1948
GENE RICHARD STERRITT
ARTHUR STONE, A.B., Roosevelt University, 1951
JEROME MICHAEL STRIFS
JERRY LEE TOTT, A.B., Southern Illinois University, 1959; B.S., 1962
MICHAEL ANDREW TURN, B.S., 1963
WILBUR EUGENE VAN HORN
DAVID EUGENE VOELPEL
ALFRED SOLOMON WEINER, B.S., 1960
DONALD PHILIP WISNISIA, B.S., 1962
SAMUEL STUART WEXLER, B.S., 1962
THOMAS EDWARD WILLIAMS, A.B., Whittier College, 1960

COLLEGE OF MEDICINE

Degree of Bachelor of Science in Occupational Therapy
Conferred June 11, 1964

HARRIET SEGEL ADELSTEIN
BEVERLY ELLIOTT CATRON, with Honors
MARGARET MILES FLYNN
PATRICIA ELMOR GIEMIUSAN
DOROTHY LOUISE HAVENS
GEORGE HELEN IDA HOLLANDERSON
MONICA HYACINTH LOPEZ
VERNA LEA MENDELOTH
GALYS ELAINE MUILER
DONNA SCHEKEMANN ORLOVE, with Honors
STACIA ANN WOODS PAXTON
KAREN LOUISE SMEDBERG
KAREN FRANCES TATE
BEVERLY ANN WESTROM

Degree of Doctor of Medicine
Conferred June 11, 1964

MILES FRANKLIN ADLER
EDWIN APRIL
GERALD FRANCIS ATWOOD
JOHN LESTER BARSDLEY, A.B., 1961
LEON IRWIN BENDER, B.S., 1959
ROGER BERLIN
MORLEY JAY BERMAN
NORMAN BLAIR BERMAN
DOUGLAS RUDOLPH BEY, JR.
NORMAN IRWIN BIRNDORE
KENNETH WAYNE BLECHE
JOHN RONALD BOBET
WILLIAM JOSEPH BOGARD, B.S., 1960
MICHAEL FRANK BORYSOW
FREDERICK STAMM BRIGHTBILL, B.S., 1960
ANTHONY LEE BROWN
JOHN WILLIAM BUCKNER
JOSEPH LOUIS BURKE, B.S., University of Wisconsin, 1960
RALPH BURROWS, B.S., 1958
RUSSELL ROBERT CARLSON, A.B., Earlham College, 1957
JUDE ANTHONY CASELTON
LAWRENCE IRVIN CHAPMAN, with Honors
GEORGE CHARNECKI
FRANK JOSEPH CIPRIANO, B.S., 1961
MICHAEL BERTRAM COBURN
GEORGE ALFRED COCHRAN, JR., A.B., Southern Illinois University, 1960
MICHAEL ANTHONY COLANDREA
JAMES GEORGE CRAVENS, D.D.S., 1960; with Honors
FREDERICK WILLIAM CUBIN, A.B., Southern Illinois University, 1960
HARRY WILLIAM DARLAND, A.B., North Central College, 1960
DALE GEORGE DAVIS, B.S., 1960
BARBARA KAY DELLENBACK, B.S., 1960
ALLEN BERNARD DEVLESCHOWARD, JR.
WILLIAM ROY DUGDALE, B.S., Michigan State University, 1960
CORWIN ROBERTS DUNN, A.B., Knox College, 1960
CHARLES JOHN EGGERSTEDT, B.S., 1961
THEODORE SAMUEL EISENSTEDT
TRUDY FOX EISENSTEDT
Robert Stephen Ellis, Jr., B.S., University of Notre Dame, 1960
Michael Harold Ellman, B.S., 1960
Eric E. Erickson, A.B., Northwestern University, 1959
Adrian Douglas Feinerman, B.S., 1960
Jay Michael Feldman
Alvin Laddie Franck
Louis Harvey Frase, B.S., 1960
Billy Ray Fulk, A.B., Southern Illinois University, 1960
Woodson Carol Fuller, A.B., Southern Illinois University, 1960; with Honors
Leonard Joel Gardberg
Don Earl Gehle, A.B., 1960
Michael Dewey Geis
Kenyon Roger Gilbert
Mark Golden, A.B., Northwestern University, 1960
Ronald Lee Gillum, A.B., DePauw University, 1960
Howard Peter Girard
Robert Wesley Glass
Samuel Goldberg, A.B., 1961
Lee Mitchell Goldfine, B.S., 1960
Barry Goldman, B.S., 1960
Henry Aaron Goldstein, B.S., Roosevelt University, 1960
Theodore Benson Goldstein, B.S., 1960; with Honors
Robert Allen Goodwin
Ira Martin Gravis, B.S., University of Wisconsin, 1960
Richard Meazlyn Graven, A.B., Greenville College, 1960
Jan Larry Gray, B.S., 1961
Jane Ducdale Gray, A.B., 1961
Harold Walter Harding
John Phillip Harris
William Edward Harriss, A.B., Southern Illinois University, 1960
John Milo Hattenhauer
Norman V. Heintz
Harold James Heyman
Frederick Danner Hirsch
Gene Wesley Hollingsworth, B.S., 1959
Ronald Norman Horowitz
Robert Dean Hunn
Hester Jo Hursh, B.S., George Williams College, 1958
John Henry Ipessen, A.B., Knox College, 1960
Theodore Gus James, B.S., 1960
Anton Joseph Jirka, A.B., Knox College, 1959
Sheldon Solomon Kabaker
Myra Joyce Kahn
Stephen Howard Kassel, A.B., Johns Hopkins University, 1960
William John Kennell
Robert Thomas Kessler, B.S., Loyola University, 1960; with High Honors
John Michael Kirsh, B.S., Loyola University, 1960
Haig Aram Koshkarian, A.B., Grinnell College, 1960
Mitchell Ivan Krierger
Michael Kroll
Ralph Frederick Kuhlman
Donald Heston Kull, A.B., Millikin University, 1957
Donald Dominic Lamarca, B.S., 1959
Edwin John Landherr
Guilio Anthony Leone
Ira Michael Lerner, B.S., 1961
Stephen Joel Leshin, with Honors
Alan Scott Levin
Richard Allen Malek
Marshall Irwin Matz
Helen Statia Maurer, B.S., 1960
Charles Peter Maurizi
David Lawrence McCarty, B.S., 1959
Clark Richard McDaniel, A.B., 1960
Allen Daniel McLean, B.S., 1961
Seymour J. Melnik
Charles Ronald Middleton, B.S., Northern Illinois University, 1959
William Francis Middleton, B.S., 1960
Alexander Watson Miller
Kent Maurice Monroe, B.S., 1961
Alger Stanley Montavsiccius, B.S., 1961
Mitchell Andrew Moos
Charles Denzil Morehead
Fred Fivel Nathan, B.S., University of Chicago, 1959
John Michael Nayden, B.S., 1960
Robert Ross Neal, Jr., A.B., Wabash College, 1960
Donald Robert Nelson, B.S., Beloit College, 1959
Kenneth Everett Nelson, A.B., Southern Illinois University, 1959
Joseph Martin Nieder, with Honors
Irwin Herschel Noparstak
Raymond George Orenic
David Ekern Ott, A.B., Northwestern University, 1957
Norman Joseph Pastorek, A.B., Augustana College, 1960
Raymond Walter Petkus, B.S., 1961
Jerold Alan Pick
David Alois Platzbecker
David MacCharles Pogue, B.S., Colorado State University, 1960
Jackie Eldridge Purdy
Gene Herbert Purvis, A.B., Augustana College, 1960
Lon Dietrich Rademacher, B.S., 1960
Ronald Everett Ramstedt, A.B., Coe College, 1960
DONALD PAUL RIFF
LOUISE JEAN M. RIFF, A.B., Millikin University, 1956
JOHN ARTHUR ROBINSON II, B.S., University of Notre Dame, 1960
GRAHAM ARTHUR ROGENESS, A.B., Dartmouth College, 1960
ROGER ALAN ROSE, A.B., 1961
JUDEL CHARLES ROSS
GARY LEE RUDDER
WALTER RICHARD RUF, B.S., 1960
LOIS ANN RYAN, A.B., 1958
JON DREW SANDBERG
DAVID NORMAN SATTEM, A.B., 1960
RICHARD WARREN SAUERMAN, A.B., Monmouth College, 1960
JACK LLOYD SAYLOR, A.B., Southern Illinois University, 1960
DORIS MARIE SCHAFF, A.B., St. Xavier College, 1960
GARY WALTER SCHABACKER
HOWARD OWEN SCHECHTER
DAVID HAROLD SCHULTZ, A.B., Blackburn College, 1959
TERRY KEITH SCHULTZ
ROBERT DENTON SHAFFER, A.B., North Central College, 1960
CHARLES HERSHEL SHALLAT, B.S., 1961
VIRGIL DELANO SHORT
BENJAMIN SHWACHMAN, B.S., 1959
DANIEL JOHN SIGBAND
BARBARA FRANCES SILVESTRI
ARTHUR BERNARD SIMON
HOWARD DAVID SIMON, B.S., 1961
WILLIAM HUGH SIMPSON, B.S., Bradley University, 1960
ROBERT GEORGE SLACK, A.B., Northwestern University, 1959
JOHN JAMES SMALLLEY, JR.
ROBERT KEITH SMITH, A.B., 1961
ROGER ENOS SMITH, A.B., Monmouth College, 1960
BRENDA CLORFENE SOLOMON
WILLIAM FRANK STACH, A.B., 1961
GEORGE ISIDORE STARR
Dwight Oran Swaback
CARL RALPH TASSISTRO, B.S., 1960
ROBERT ROY TAUBE, B.S., 1960
ARYDAS PAUL TAURAS
MARSHALL BENNETT TAYLOR, B.S., Illinois Institute of Technology, 1960
JAMES MATTHEW WHITTENBERG
RONALD PETER WILBOIS, B.S., 1959
EUNICE RUTH WILSON, A.B., 1952
JAMES EDWARD WILSON, B.S., Purdue University, 1960
WILLIAM H. WOODRUFF, A.B., Blackburn College, 1957
ROBERT FREDERICK YARIO

COLLEGE OF NURSING

Degree of Bachelor of Science in Nursing

Conferred December 21, 1963

PATRICIA ANN BEAN
JANE PENELope BOSTROM
CAROLYN ALICE FULLER

Conferred June 11, 1964

JURATE MARY ABROMAITIS
JOYCE SHARON ACKERT
KATHRYN ANN BAGLEY
Marilyn Kay Bertha
PATRICIA LAUREL BINDER
Marilyn Hornick Bonaguro
CELESTE IRENE BONGIANII
CAROLINE SLATER BROWN
CAROL ANN BUCHER
SANDRA HENDERSON DENSFORD
ELEANOR GLENDA FERGUSON
MARY KAY FLYNN, with Honors
JEANNINE MALZHAIM FRANK
TERRY DALE GRIGGS
HANNAH THESSA HARRIS
PATRICIA THOMPSON HENSCHEN
KAREN SUE JONES
LOUISE STEINMAN KANTER
KARLENE MARY KETELHUT

DIANA LOUISE WINN, with Honors
SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows made by the Dean of the Graduate College; declinations, resignations, and terminations; leaves of absence; cancellations of leaves of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

Aaron, Howard B., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-26-64).

Aberth, Oliver G., Assistant Professor of Mathematics, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $878 for the period (5-29-64).

Abramoske, Donald J., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964, 3/4 time, June 19-August 14, 1964, $1,200 for the period (5-12-64).

Aggarwal, Jagdishkumar K., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,022.24 (4-27-64).

Anderson, Lynn R., Research Associate in Psychology, two months from June 16, 1964, $1,133.32; this is in addition to his present appointment (5-21-64).

Anderson, Truman O., Assistant Professor of Medicine and of Microbiology, College of Medicine, two months from July 1, 1964, $12,000 a year, supersedes (5-7-64).
ANDERSON, W. G., Visiting Lecturer in Educational Administration and Supervision, Summer Session of 1964, ½ time, June 15-August 8, 1964, $1,100 for the period (5-21-64).

ANDREWS, ROLLIN D., III, Project Assistant in Aquatic Biology, in the Natural History Survey and in the Graduate College, three months from June 1, 1964, $1,320 (4-23-64).

AUGER, FERRIS K., Assistant in Elementary Education, Summer Session of 1964, July 13-August 8, 1964, $567 for the period (4-19-64).

AUSTIN, MERLYN P., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-22-64).

BARBER, BERNARD J., Professor of Chemistry, Summer Session of 1964, June 15-August 8, 1964, $2,800 for the period (5-19-64).

BAILEY, ALBERT D., Professor of Electrical Engineering (C), two months from June 16, 1964, $1,488.89 a month; this is in addition to his present appointment (5-22-64).

BARGER, ALLAN R., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $977.76 (4-27-64).

BARTLOW, ROBERT M., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964, ½ time, June 19-August 14, 1964, $900 for the period (5-12-64).

BENSON, RICHARD L., Theatre Therapist in Speech and Theatre — Summer Residential Program, Summer Session of 1964, 43/100 time, June 15-August 8, 1964, $400 for the period (5-21-64).

BEZKOROVAINY, GEORGY, Research Assistant in Civil Engineering (C), June 16-August 31, 1964, $1,277.80 (5-19-64).

BIANCHINI, ALBERT C., Associate Professor of Theoretical and Applied Mechanics, Summer Session of 1964, ½ time, June 15-August 8, 1964, $978 for the period (5-29-64).

BLASE, BARKIE W., Research Assistant in Physiology and Biophysics, two months from June 16, 1964, $933.32 (5-21-64).

BLEYMAN, MRS. LEA K., Research Associate in Zoology, one year from September 1, 1964, $6,500 (5-11-64).

BLOMME, RICHARD W., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,022.24 (4-27-64).

BOHM, LARRY G., Project Assistant in Aquatic Biology, in the Natural History Survey and in the Graduate College, two months from July 1, 1964, $776, supersedes; and for one year from September 1, 1964, $4,656 (4-23-64).

BONN, ROBERT P., Associate Professor of General Engineering, Summer Session of 1964, ½ time, June 15-August 8, 1964, $1,034 for the period (4-23-64).

BOWELL, SIDNEY A., Professor of Electrical Engineering (C), two months from June 16, 1964, $1,666.67 a month; this is in addition to his present appointment (5-28-64).

BOWRIS, CARLTON W., Associate Professor of Art, Summer Session of 1964, ½ time, June 15-August 8, 1964, $1,542 for the period (5-19-64).

BROWN, GORDON E., Instructor in Mathematics, Summer Session of 1964, ½ time, June 15-August 8, 1964, $778 for the period, supersedes previous Summer Session appointment (5-29-64).

BROWNLEE, JAMES L., JR., Assistant Professor of Analytical Chemistry, Summer Session of 1964, June 15-August 8, 1964, $1,800 for the period (5-15-64).

BUDDENBAUM, WARREN E., Research Associate in Chemistry, three months from June 1, 1964, $550 a month (5-15-64).

BULL, MRS. MARTHA M., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, $1,400 for the period (5-19-64).

CAMPBELL, JACKSON J., Professor of English, Summer Session of 1964, June 15-August 8, 1964, $1,667 for the period (5-25-64).

CARTER, RICHARD D., Housefather in Speech and Theatre — Summer Residential Program, Summer Session of 1964, 22/100 time, June 15-August 8, 1964, $200 for the period (5-21-64).

CASLER, DARWIN J., Assistant Professor of Accountancy, Summer Session of 1964, ½ time, June 15-August 8, 1964, $1,000 for the period; this is in addition to his present appointment (5-13-64).
Chang, Herbert Yu-Pang, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,022.24 (4-27-64).
Churchich, Jorge E., Assistant Professor of Biological Chemistry, academic year 1964-65, $7,400 (5-28-64).
Clarke, Robert G., Assistant in the Institute of Aviation, September 1, 1964, June 15, 1965, $4,644.45 (4-21-64).
Clarke, Robert W., Assistant in Accountancy, Summer Session of 1964, June 15-August 8, 1964, $949 for the period, supersedes previous Summer Session appointment on 1/2 time (5-11-64).
Clopton, Robert W., Visiting Lecturer in History and Philosophy of Education, Summer Session of 1964, June 15-August 8, 1964, $3,520 (5-25-64).
Coleman, Paul D., Professor of Electrical Engineering (C), two months from June 16, 1964, $1,733.33 a month; this is in addition to his present appointment (5-28-64).
Cooper, Thomas L., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $977.76 (4-27-64).
Cornell, Harrison K., Assistant Editor, with rank of Instructor, in Veterinary Medicine Administration, College of Veterinary Medicine, May 18-August 31, 1964, $7,200 a year, supersedes (5-26-64).
Costin, Frank, Clinical Counselor in the Student Counseling Service, in the Executive Vice-President and Provost's Office, two months from June 16, 1964, $1,170; this is in addition to his present appointment and to his Summer Session appointment on 1/2 time (5-27-64).
Crawford, Magnus G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $977.76 (4-27-64).
Crane, Robert M., Assistant to Vice-President of the Chicago Undergraduate Division, one year from September 1, 1964, $14,500 (5-12-64).
Cremer, Bennett J., Staff Physician in the Health Service, one year from July 1, 1964, $14,600 (5-4-64).
Cross, Judy H., Counselor in Speech and Theatre — Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, $150 for the period (5-21-64).
Cullen, Donald E., Research Assistant in Physics (C), two months from June 16, 1964, $933.34 (5-1-64).
Curley, Daniel, Associate Professor of English, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $967 for the period (5-25-64).
David, Ariel, Assistant in Psychiatry, College of Medicine, two months from July 1, 1964, without salary (5-8-64).
Davies, Michael S., Instructor in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, $1,112 for the period, supersedes previous Summer Session appointment on 1/2 time (5-19-64).
Davis, Harvey S., Research Assistant in Mathematics, two months from July 1, 1964, $933.34 (4-24-64).
Davis, Nuel P., Assistant Professor of English, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $756 for the period (5-25-64).
Dean, Mrs. Loraine P., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, $1,400 for the period (5-22-64).
Deenford, James E., Research Associate in Electrical Engineering (S), three months from June 1, 1964, $750 a month, supersedes (5-19-64).
Demarco, William, Psychologist in Speech and Theatre — Summer Residential Program, Summer Session of 1964, 3/10 time, June 15-August 8, 1964, $400 for the period (5-21-64).
Denis, Marianne, Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, $2,100 for the period (5-27-64).
Denning, R. G., Research Associate in Chemistry, one year from September 1, 1964, $7,200 (5-15-64).
Deschamps, Georges A., Professor of Electrical Engineering (C), June 16-June 30, 1964, $2,111.11 a month; this is in addition to his present appointment (5-28-64).
Dierhans, Herbert H., Instructor in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $1,334 for the period (5-29-64).
Dodd, George G., Research Associate in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,166.68; this is in addition to his present appointment (4-28-64).

Doyama, Masao, Visiting Research Assistant Professor of Physics (C), one month from July 16, 1964, $944.44 (5-21-64).

Dubinsky, Edward L., Visiting Lecturer in Mathematics, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $900 for the period (5-29-64).

D'Zurilla, Thomas J., Clinical Counselor in the Student Counseling Service in the Executive Vice-President and Provost's Office, two months from June 16, 1964, $1,200 (5-26-64).

Edwards, Ralph T., Research Assistant in Physics (C), two months from June 16, 1964, $933.34 (5-1-64).

Eeftmoed, Gary E., Research Assistant in Entomology, two months from June 16, 1964, $933.34 (5-27-64).

Efric, Edward J., Jr., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-23-64).

Fairbanks, Robert P., Research Associate in the Institute of Government and Public Affairs, two months from June 16, 1964, $2,000 (5-7-64).

Forcucci, Richard A., Recreation Director in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 1/100 time, June 15-August 8, 1964, $175 for the period (5-21-64).

Forsman, Roderick G., Research Assistant in Psychology, two months from June 16, 1964, $933.32 (5-25-64).

Fox, Kenneth L., Instructor in Accountancy, 3/4 time, academic year 1964-65, $3,750 (5-11-64).

Fradin, Frank Y., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-27-64).

Franz, Frank A., Research Associate in the Coordinated Science Laboratory (C), three months from June 1, 1964, $666.67 a month, supersedes (5-19-64).

Fretwell, Charles C., Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, $1,377.78; this is in addition to his present appointment (5-25-64).

Gage, Vivian E., Research Associate in Microbiology, May 15-August 31, 1964, $2,187.50 (5-6-64).

Gallagher, James J., Professor of Special Education, Summer Session of 1964, June 15-July 11, 1964, $1,478 for the period, supersedes his previous Summer Session appointment (5-26-64).

George, Mrs. Margaret Y., Assistant Professor of History, Chicago Undergraduate Division, Summer Session of 1964, 1/2 time, June 19-August 14, 1964, $1,150 for the period (5-28-64).

Gerstner, Otto, Instructor in Mathematics, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $834 for the period, supersedes his previous Summer Session appointment (5-29-64).

Gerstner, Robert W., Associate Professor of Civil Engineering, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, $2,000 for the period (5-21-64).

Gieseking, Darrell L., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,111.12 (4-27-64).

Gieselman, Robert D., Instructor in Business English, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $600 for the period (5-27-64).

Gilmore, Gene, Assistant Professor of Journalism, two months from June 16, 1964, $912 (5-11-64).

Good, William C., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, $150 for the period (5-21-64).

Goldstein, Ladislav, Professor of Electrical Engineering (C), two months from June 16, 1964, $2,244.44 a month; this is in addition to his present appointment (5-28-64).

Gonnella, Joseph S., Assistant in Medicine, College of Medicine, one year from July 1, 1964, $7,200 (4-24-64).

Goodrich, Herbert, Instructor in Business English, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $656 for the period (5-25-64).
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Time Period</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gore, Pearl M.</td>
<td>Assistant Professor of Psychology, Summer Session of 1964, 1/2 time</td>
<td>June 15-August 8, 1964, $812 for the period (5-27-64).</td>
<td></td>
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<tr>
<td>Hall, J. F.</td>
<td>Visiting Lecturer in Educational Administration and Supervision</td>
<td>Summer Session of 1964, June 15-July 10, 1964, $1,100 for the period (5-21-64).</td>
<td></td>
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<tr>
<td>Hamble, David G.</td>
<td>Research Assistant in Physics (C), two months from June 16, 1964, $933.34 (5-1-64).</td>
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</tr>
<tr>
<td>Hannah, Harold W.</td>
<td>Project Director in the University Office of Agency for International Development Projects (Office of the Executive Vice-President and Provost), under Contract AID/csd-349 to prepare a &quot;Resources Handbook for Agricultural Universities,&quot; three months from June 16, 1964, $1,755.55 a month; this is in addition to his present appointment (5-7-64).</td>
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<tr>
<td>Harris, Richard E.</td>
<td>Research Assistant in Physics (C), two months from June 16, 1964, $933.34 (5-1-64).</td>
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<tr>
<td>Hartley, Arnold M.</td>
<td>Associate Professor of Analytical Chemistry, Summer Session of 1964, June 15-August 8, 1964, $1,978 for the period (5-13-64).</td>
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<tr>
<td>Hartoch, Arnold J.</td>
<td>Associate Professor of Foreign Languages, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, $2,300 for the period, supersedes his previous Summer Session appointment on 2/3 time (5-12-64).</td>
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<tr>
<td>Hayden, Edgar C.</td>
<td>Associate Professor of Electrical Engineering (C), two months from June 16, 1964, $1,416.67 a month; this is in addition to his present appointment (5-28-64).</td>
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<tr>
<td>Hecht, Norman B.</td>
<td>Research Assistant in Microbiology, April 1-September 15, 1964, $2,566.69 (5-1-64).</td>
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<tr>
<td>Heiple, Clinton R.</td>
<td>Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-26-64).</td>
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<tr>
<td>Henderson, Robert A.</td>
<td>Associate Professor of Special Education, Summer Session of 1964, June 15-August 8, 1964, $2,223 for the period (5-27-64).</td>
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<tr>
<td>Henry, John A.</td>
<td>Counselor in the Student Counseling Service, Executive Vice-President and Provost's Office, 1/2 time, June 16-August 15, 1964, $1,260; this is in addition to his present appointment (5-27-64).</td>
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<td>Hepburn, Linda E.</td>
<td>Housemother in Speech and Theatre - Summer Residential Program, Summer Session of 1964, 22/100 time, June 15-August 8, 1964, $200 for the period (5-21-64).</td>
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<td>Herrick, Tod</td>
<td>Visiting Lecturer in Vocational and Technical Education, Summer Session of 1964, June 15-July 10, 1964, $1,100 for the period (5-23-64).</td>
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<tr>
<td>Higgs, William J.</td>
<td>Research Assistant in Psychology, two months from June 16, 1964, $933.32 (5-12-64).</td>
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<tr>
<td>Hipskind, John P.</td>
<td>Assistant Professor of General Engineering, Summer Session of 1964, June 15-August 8, 1964, $1,600 for the period (4-23-64).</td>
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<tr>
<td>Hoffman, Robert A.</td>
<td>Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-26-64).</td>
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<tr>
<td>Holbrook, John C., II</td>
<td>Project Assistant in the Natural History Survey (Aquatic Biology Section) and in the Graduate College, June 1-September 15, 1964, $1,050 (5-7-64).</td>
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<tr>
<td>Holmes, Roland W.</td>
<td>Visiting Lecturer in English, academic year 1964-65, $10,800 (5-18-64).</td>
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<tr>
<td>Hosken, Robert W.</td>
<td>Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $977.76 (4-28-64).</td>
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<tr>
<td>Hoyde, Helen J.</td>
<td>Instructor in Speech, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, $1,689 for the period (4-30-64).</td>
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<tr>
<td>Hudson, Paul K.</td>
<td>Assistant Professor of Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, $2,267 for the period, supersedes previous Summer Session appointment on 2/3 time (5-25-64).</td>
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<tr>
<td>Huffaker, Donald C.</td>
<td>Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, $1,300; this is in addition to his present appointment (5-23-64).</td>
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</tr>
</tbody>
</table>
HUITEMA, ROY, Assistant to the Dean of the College of Liberal Arts and Sciences, Chicago Undergraduate Division, June 22-August 14, 1964, $2,800; this is in addition to his present appointment (5-28-64).

HUNT, J. McV., Professor of Psychology, one year from July 1, 1964, $21,150, and on indefinite tenure beginning September 1, 1965, to render service during each academic year (5-7-64).

ICHIMARU, SETSUO, Research Associate in Physics (C), three months from July 1, 1964, $1,000 a month (5-7-64).

ITAGAKI, ETSUJI, Research Associate in Chemistry, one year from September 1, 1964, $7,200 (5-15-64).

JACKSON, JOSEPH F., Professor of French, 1/2 time, June 16-August 8, 1964, $1,445; this is in addition to his present appointment (5-22-64).

JACOBS, JOHN T., Research Assistant in the Coordinated Science Laboratory, two months from June 16, 1964, $1,022.24 (4-28-64).

JENKINS, JOE W., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (5-21-64).

JOHNSON, ELLIS D., Clinical Instructor in Neurology, Department of Neurology and Neurosurgical Surgery and Epilepsy, College of Medicine, 1/2 time, five months from April 1, 1964, $3,000 a year (5-27-64).

JOHNSON, JOHN A., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, $1,067 for the period, supersedes his previous Summer Session appointment on 1/2 time (5-21-64).

JOHNSON, PETER, Visiting Lecturer in Chemistry, two months from September 1, 1964, $1,445 (5-15-64).

JOHNSON, ROBERT A., Assistant in the Institute of Aviation, two months from June 16, 1964, $933.34 (5-24-64).

KAYE, PENNY, Clinical Instructor in Medical Microbiology, nine months from September 16, 1963, $8,600, supersedes (5-18-64).


KIRK, DONALD E., Instructor in the Coordinated Science Laboratory (C), 1/2 time, two months from June 16, 1964, $555.50; this is in addition to his present appointment (5-4-64).

KOBAYASHI, MAKOTO, Research Associate in Physiology and Biophysics, one year from October 1, 1964, $6,100 (5-28-64).

KRAMER, DANIEL C., Instructor in Political Science, academic year beginning September 1, 1964, $7,800 (5-11-64).

KRYSAN, JAMES L., Research Assistant in Entomology, June 16-August 31, 1964, $1,385 (4-27-64).

KUPPERMAN, DAVID S., Research Assistant in Physics (C), two months from June 16, 1964, $933.34 (5-1-64).

LAACKER, WILLIAM A., Research Assistant in Mathematics, two months from July 1, 1964, $933.34 (4-23-64).

LAHEY, JAMES M., Instructor in Commerce Administration, College of Commerce and Business Administration, 1/4 time, two months from June 16, 1964, $277.78; this is in addition to his appointment as Instructor in Accountancy (4-24-64).

LANGSTON, MRS. GENEVIEVE R., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, $2,100 for the period (5-25-64).

LARSON, ARLYN J., Research Associate in the Institute of Government and Public Affairs, June 1-August 15, 1964, $2,500 (5-4-64).

LATTERT, THOMAS M., Research Assistant in Chemistry, June 16-August 31, 1964, $1,072.93, supersedes (5-27-64).
LEACH, JAMES L., Adviser in the Engineering Institute Program for Engineering Educators in India, for service under Contract AIDc-1220, for the period May 15 through July 8, 1964, $1,356.66 a month; this is in addition to his present appointment (5-7-64).

LIDE, FRANCIS P. JR., Instructor in Germanic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, $1,200 for the period (5-13-64).

LIE, TAEJOUN, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $977.76 (4-28-64).

LIEM, KAREL F., Assistant Professor of Anatomy, College of Medicine, one year from September 1, 1964, $10,000 (5-15-64).

LIVINGSTON, WILLIAM R., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (5-21-64).

LOUSTAUNAU, O., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (5-21-64).

LIDDLE, FRANCIS P. JR., Instructor in Germanic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, $1,200 for the period (5-13-64).

LIE, TAEJOUN, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $977.76 (4-28-64).

LIEM, KAREL F., Assistant Professor of Anatomy, College of Medicine, one year from September 1, 1964, $10,000 (5-15-64).

LIVINGSTON, WILLIAM R., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (5-21-64).

LOUSTAUNAU, O., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (5-21-64).

MANNING, ERIC G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,022.24 (4-28-64).

MATSUZUMOTO, YORIMI, Instructor in Biophysics, Department of Physiology and Biophysics, three months from June 1, 1964, $6,100 a year, supersedes (5-19-64).

McCoy, DAVID W., Visiting Lecturer in Political Science, Chicago Undergraduate Division, Summer Session of 1964, ½ time, June 19-August 14, 1964, $900 for the period (5-7-64).

MELIN, JOHN W., Assistant Professor of Civil Engineering, Summer Session of 1964, 7/10 time, June 15-August 8, 1964, $1,323 for the period (5-29-64).

MELVIN, CHARLES W., Research Associate in Chemistry, one year from September 1, 1964, $6,800 (5-1-64).

MERRILL, MARY E., Assistant in English, Summer Session of 1964, June 15-August 8, 1964, $978 for the period (5-21-64).

METROPOLE, MRS. SONIA, Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, $1,244.44; this is in addition to her present appointment (5-25-64).

MICHAL, EDWIN K., Research Assistant in Physiology and Biophysics, two months from June 16, 1964, $933.32 (5-4-64).

MIGNON, CHARLES W., JR., Assistant Professor of English, Summer Session of 1964, ½ time, June 15-August 8, 1964, $778 for the period (5-27-64).

MILLAR, BARBARA P., Cataloger, with rank of Instructor, in the Library of Medical Sciences, at the Medical Center, one year from September 1, 1964, $6,200 (5-18-64).

MILLER, RAYMOND P., Research Associate in Civil Engineering (C), June 16-August 31, 1964, $1,750; this is in addition to his present appointment (5-22-64).

MOCK, WILLIS, JR., Research Assistant in Physics (C), two months from June 16, 1964, $933.34 (5-1-64).

MOHMER, HANSPETER, Research Assistant in Geology, two months from June 16, 1964, $934 (5-15-64).

MONTGOMERY, ALBERT G., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-22-64).

MOOTY, MARY E., Visiting Lecturer in Elementary Education, Summer Session of 1964, June 15-August 8, 1964, $2,100 for the period (5-21-64).

MORGAN, BRUCE W., Instructor in Economics, Summer Session of 1964, June 15-August 8, 1964, $2,400 for the period (5-22-64).

MRACEK, JAROSLAV J., Instructor in Music, academic year 1964-65, $7,100 (5-28-64).

MUELLER, THOMAS E., Research Associate in the Coordinated Science Laboratory (C), ½ time, two months from June 16, 1964, $570.84; this is in addition to his present appointment (4-28-64).
MULLEN, JAMES, Visiting Lecturer in Advertising, Summer Session of 1964, June 15-August 8, 1964, $2,534 (5-1-64).

MURATA, TADAO, Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $933.32 (4-28-64).

MURPHY, LAWRENCE W., Professor of Journalism, nine months from September 16, 1963, $11,400, supersedes (5-4-64).

NAHORNIAK, MYRA, Assistant in Physical Education for Women, Chicago Undergraduate Division, nine months from September 16, 1964, $5,000 (5-8-64).

NEUHAUS, HERBERT, Clinical Instructor in Medicine, College of Medicine, five months from April 1, 1964, without salary (4-24-64).

NIKOLAI, ROBERT J., Research Associate in Theoretical and Applied Mechanics (C), two months from June 16, 1964, $1,377.78 (5-25-64).

NORTON, JOHN C., Project Assistant in the Natural History Survey and in the Graduate College, April 15-June 30, 1964, $760 (5-5-64).

PENNISI, LOUIS L., Associate Professor of Mathematics, Chicago Undergraduate Division, Summer Session of 1964, 1/2 time, June 19-August 14, 1964, $1,112 for the period (5-28-64).

PFEIFER, ROBERT F., Research Assistant in Electrical Engineering (C), two months from June 16, 1964, $1,022.22 (5-14-64).

PFEIFFER, ROBERT F., Research Assistant in Electrical Engineering (C), two months from June 16, 1964, $1,022.22 (5-21-64).

Piper, Thomas C., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,066.68 (4-28-64).

PORTER, ZIGMUND D., Instructor in Periodontics, Department of Applied Medicine and Therapeutics, College of Dentistry, 1/2 time, one year from September 1, 1964, $4,000 (5-15-64).

Powers, Donald J., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, $978 for the period, supersedes previous Summer Session appointment on 1/2 time (5-21-64).

POWERS, DONALD J., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, $978 for the period, supersedes previous Summer Session appointment on 1/2 time (5-21-64).

PRAIRIE, BARBARA B., Research Assistant in Chemistry, 1/2 time, five months from April 1, 1964, $1,527.75, supersedes full-time appointment (5-14-64).

PRINZ, ANDREW K., Visiting Lecturer in History, Chicago Undergraduate Division, Summer Session of 1964, 1/2 time, June 19-August 14, 1964, $1,036 for the period (5-28-64).

PUMPERY, FRED H., Adviser in the Engineering Institute Program for Engineering Educators in India, for service under Contract AID-1220, June 5-July 20, 1964, $1,485 a month (5-7-64).

RABBATZ, Mrs. ANNE C., Visiting Lecturer in Special Education, Summer Session of 1964, June 15-August 8, 1964, $1,200 for the period (5-27-64).

RAUCH, GARY C., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-22-64).

RIZZO, FRANK J., Instructor in Theoretical and Applied Mechanics (C), academic year 1964-65, $6,300 (5-11-64).

ROAN, VERNON P., Jr., Research Associate in Aeronautical and Astronautical Engineering (C), 1/2 time, two months from June 16, 1964, $444.44; this is in addition to his present appointment (5-27-64).

ROBINSON, MARIE L., Research Assistant in Chemistry, three months from June 16, 1964, $1,400.01 (5-18-64).

ROSENBAUM, RALPH L., Research Assistant in Physics (C), two months from June 16, 1964, $1,022.22 (5-14-64).

ROSS, ROBERT C., Leader of Foreign Agriculture Visitors, in the Office of AID Projects, 1/2 time, one year from September 1, 1964, $6,750 (5-8-64).
Ruelle, Robert, Assistant in the Institute of Aviation, two months from June 16, 1964, $933.34 (4-24-64).
Russell, John K., Instructor in Electrical Engineering (C), two months from June 16, 1964, $1,133.34; this is in addition to his present appointment (5-27-64).
Saam, William F., Research Assistant in Physics (C), two months from June 16, 1964, $933.34 (5-1-64).
Sah, Chin-Tang, Professor of Electrical Engineering (C), two months from June 16, 1964, $1,666.67 a month; this is in addition to his present appointment (6-2-64).
Sain, Michael K., Instructor in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,111.12 (5-7-64).
Sangster, William, Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, $2,578 for the period (5-28-64).
Sauer, Ernest S., Research Assistant in the Center for Zoonoses Research, College of Veterinary Medicine, June 1-September 19, 1964, $1,816.67 (5-26-64).
Schafer, Elton D., Research Assistant in Physics (C), two months from June 16, 1964, $1,022.22 (5-1-64).
Scheld, Milo A., Research Assistant in Physics (C), two months from June 16, 1964, $933.34 (5-14-64).
Schmitz, Roger A., Assistant Professor of Chemical Engineering, Summer Session of 1964, June 15-August 8, 1964, $878 for the period (5-19-64).
Schoen, David E., Instructor in Mathematics, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $856 for the period, supersedes previous Summer Session appointment (5-29-64).
Shank, Max C., Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, $2,400 for the period, supersedes previous Summer Session appointment on 1/2 time (5-28-64).
Sharma, Kamal N., Visiting Research Assistant Professor of Psychology and of Physiology, one year from August 16, 1964, $9,455 (5-28-64).
Simpson, Elizabeth J., Associate Professor of Vocational and Technical Education, Summer Session of 1964, July 13-August 8, 1964, $1,112 for the period, supersedes previous Summer Session appointment (5-25-64).
Smith, Cecil D., Assistant Dean of the College of Agriculture, with rank of Professor, on indefinite tenure, June 1, 1964-August 31, 1965, $13,000 a year, supercedes (5-4-64).
Smith, David Y., Assistant Professor of Physics, Summer Session of 1964, June 15-August 8, 1964, $1,800 for the period, and Research Assistant Professor of Physics, August 9-August 31, 1964, $8,200 a year, supersedes (5-1-64).
Smith, Thomas E., Jr., Instructor in Theoretical and Applied Mechanics (C), 1/2 time, academic year 1964-65, $2,800 (5-11-64).
Snyder, David P., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,066.68 (4-28-64).
Spitze, Hazel T., Assistant Professor of Vocational and Technical Education, Summer Session of 1964, June 15-July 10, 1964, $889 for the period (5-25-64).
Spor, Robert W., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-22-64).
Stallmayer, James E., Professor of Civil Engineering, Summer Session of 1964, 1/2 time, June 15-August 8, 1964, $1,334 for the period (5-1-64).
Steffen, Thomas B., Research Assistant in the Center for Zoonoses Research, College of Veterinary Medicine, June 1-September 19, 1964, $1,816.67, supercedes (5-26-64).
Stein, Herbert J., Assistant Professor of Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, $2,000 for the period (5-21-64).
Stotland, Victor G., Research Assistant in Physics (C), two months from June 16, 1964, $1,022.22 (5-15-64).
Stucky, Galen D., Assistant Professor of Inorganic Chemistry, Summer Session of 1964, June 15-August 8, 1964, $1,734 for the period (5-13-64).
Sward, Gilbert L., Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (5-21-64).
TAHIM, Gurcharan S., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $1,111.12 (4-28-64).
THAYER, Frederick D., Assistant in Slavic Languages and Literatures, Summer Session of 1964, June 15-August 8, 1964, $994 for the period (5-19-64).
THOMAS, Ian B., Research Assistant in Electrical Engineering (C), ½ time, and Assistant in Electrical Engineering (C), ½ time, February 1-June 15, 1964, $2,333.33, supersedes (4-29-64).
THOMPSON, M. N., Research Associate in Physics (C), one year from September 1, 1964, $8,500 (5-28-64).
THOMPSON, Samuel R., III, Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (5-21-64).
THULEN, Jack L., Field Assistant in the Natural History Survey and in the Graduate College, four months from May 1, 1964, $1,060 (5-13-64).
TIBBETTS, Gary G., Research Assistant in the Coordinated Science Laboratory (C), two months from June 16, 1964, $977.76 (4-28-64).
TOBESCHINI, C., Instructor in Theoretical and Applied Mechanics (C), ¼ time, academic year 1964-65, $2,800 (5-11-64).
TOROK, Nicholas, Associate Professor of Otolaryngology, College of Medicine, ¾ time, three months from June 1, 1964, $566.66 a month (5-7-64).
TOTTEN, Stanley M., Research Associate in Geology, two months from June 1, 1964, $1,000 (5-11-64).
TOWER, William P., Research Assistant in Physics (C), two months from June 16, 1964, $977.78 (5-1-64).
VANDYKE, Patricia A., Counselor in Speech and Theatre — Summer Residential Program, Summer Session of 1964, 16/100 time, June 15-August 8, 1964, $150 for the period (5-21-64).
VARDAMAN, Hazel, Assistant to the Dean of the College of Liberal Arts and Sciences, Chicago Undergraduate Division, June 22-August 14, 1964, $2,622; this is in addition to her present appointment (5-28-64).
VON HENTIG, Ronald, Instructor in Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964, ½ time, June 19-August 14, 1964, $556 for the period (5-28-64).
WAKAE, Masami, Assistant in Mathematics, Summer Session of 1964, June 15-August 8, 1964, $934 for the period (5-21-64).
WALLETT, Francis, Visiting Lecturer in History and Philosophy of Education, Summer Session of 1964, June 15-August 8, 1964, $2,000 for the period (5-25-64).
WALLO, Edward M., Research Assistant in Theoretical and Applied Mechanics (C), two months from June 16, 1964, $1,244.44 (5-25-64).
WEISE, Mrs. Ursula A., Assistant Editor of Publications, College of Engineering, one year from September 1, 1964, $7,000 (5-19-64).
WESTLAKE, A. H., Research Associate in Chemistry, two months from June 16, 1964, $1,050 (5-15-64).
WHEELER, D. M. S., Visiting Lecturer in Organic Chemistry, Summer Session of 1964, June 15-August 8, 1964, $2,000 for the period (5-19-64).
WILBER, Gordon A., Research Assistant in Metallurgical Engineering (C), June 16-August 31, 1964, $1,277.80 (5-22-64).
WILDE, Robert R., Assistant in Electrical Engineering, Summer Session of 1964, June 15-August 8, 1964, $1,034 for the period (5-21-64).
WILLNER, Ernest S., Associate Professor of Foreign Languages, Chicago Undergraduate Division, Summer Session of 1964, June 19-August 14, 1964, $2,112 for the period, supersedes previous Summer Session appointment on ½ time (5-12-64).
WILLSON, Robert H., Research Assistant in the Coordinated Science Laboratory (C), June 16-August 15, 1964, $1,022.24 (4-28-64).
WIRTH, David G., Jr., Research Assistant in Ceramic Engineering (C), ¾ time, September 1, 1964-June 15, 1965, $3,800, and full time, June 16-August 31, 1965, $1,500 (5-5-64).
WONG, BING K., Assistant in Mathematics, Summer Session of 1964, June 15—August 8, 1964, $934 for the period (5-21-64).

YOSHIDORA, TAKAO, Research Assistant in Metallurgical Engineering (C), June 16—August 31, 1964, $1,277.80 (5-22-64).

YOUNG, PETER N., Visiting Lecturer in English, Summer Session of 1964, June 15—August 8, 1964, $2,500 (5-25-64).

YOUNG, STANLEY, Visiting Lecturer in Industrial Administration, Summer Session of 1964, ½ time, June 15—August 8, 1964, $1,223 for the period (5-25-64).

YUDIN, FLORENCE, Assistant in Spanish, Summer Session of 1964, June 15—August 8, 1964, $934 for the period (5-11-64).

FELLOWS
(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

ABU-SALIH, MUHAMMAD, Summer Fellow in Mathematics, two months from June 16, 1964, $450 (4-14-64).

ALEXANDER, RICHARD W., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).

ALLEN, DONALD B., Summer Fellow in Geology, two months from June 16, 1964, $450 (4-14-64).

ALGOOD, WILLIAM T., Special Fellow in Music, nine months from September 16, 1964, $1,800 (5-18-64).

ANDERSON, NORMAN J. B., Summer Fellow in Education, two months from June 16, 1964, $450 (4-14-64).

ANDERSON, STUART H., Summer Fellow in Mathematics, two months from June 16, 1964, $450 (4-14-64).

ANDREWS, JOAN L., Special Summer Fellow in Mathematics, two months from June 16, 1964, $375 (4-24-64).

ASPENES, EDNA J. H., National Science Foundation Cooperative Fellow III in Physics, one year from September 1, 1964, $2,800 (5-11-64).

BAILEY, RONALD B., Summer Fellow in Political Science, two months from June 16, 1964, $450 (4-14-64).

BASSEL, BYRON A., JR., Postdoctoral Fellow in Microbiology, five months from July 1, 1964, $2,500 (5-25-64).

BECKER, DAVID H., Summer Fellow in Art, two months from June 16, 1964, $450 (4-14-64).

BELZER, EDWIN G., Jr., Summer Fellow in Health and Safety Education, two months from June 16, 1964, $450 (4-14-64).

BOICHOT, LANCE, National Science Foundation Trainee II in Civil Engineering, nine months from September 16, 1964, $1,950 (4-30-64).

BONHAM, JAMES A., Standard Oil (of California) Fellow in Chemistry, nine months from September 16, 1964, $2,400 (4-22-64).

BOUMA, MARIYL, Summer Fellow in Spanish, two months from June 16, 1964, $450 (4-14-64).

BOWERS, ANNE S., Special Summer Fellow in English, two months from June 16, 1964, $375 (4-24-64).

BRANDT, RICHARD C., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, $3,100 (5-14-64).

BRARGE, NIELS W., Summer Fellow in Sociology, two months from June 16, 1964, $450 (4-14-64).

BRIESKE, GEORGE H., Summer Fellow in Accountancy, two months from June 16, 1964, $450 (4-14-64).

BRITAIN, THOMAS M., National Science Foundation Cooperative Fellow III in Mechanical Engineering, nine months from September 16, 1964, $3,225 (5-11-64).

BROCK, JARRETT E., Summer Fellow in Philosophy, two months from June 16, 1964, $450 (4-14-64).

BROWN, FREDERICK S., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $489 (5-5-64).

BUCHHOLZ, ALLAN C., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1964, $2,000 (4-22-64).

BUCHHOLZ, EUGENE K., Summer Fellow in Mechanical and Industrial Engineering, two months from June 16, 1964, $450 (4-14-64).
BUFFINGTON, JOHN D., National Science Foundation Cooperative Fellow in Zoology, one year from September 1, 1964, $2,600 (5-11-64).

BUFFINGTON, SIDNEY C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $5,428.75, supersedes (5-11-64).

BUNGER, MELODY P., Fellow in Creative and Performing Arts (Music), nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450, supersedes (5-18-64).

CALDER, JOHN A., United States Public Health Fellow (Trainee) in Chemistry, two months from June 16, 1964, $466.66 (5-21-64).

CARDENAS, MARY J., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $467 (5-5-64).

CARLEY, MRS. YVONNE F., Summer Fellow in Home Economics, two months from June 16, 1964, $450 (4-14-64).

CARMICHAEL, DOUGLAS R., Summer Fellow in Accountancy, two months from June 16, 1964, $450 (4-14-64).

CARTER, BRADLEY K., Special Summer Fellow in Political Science, two months from June 16, 1964, $375 (5-24-64).

CLAYTON, LEE S., National Science Foundation Cooperative Fellow III in Geology, nine months from September 16, 1964, $2,100 (5-11-64).

COLLIER, C. PATRICK, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, $4,288.75, supersedes (5-11-64).

CONATSER, CHARLES W., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, $1,020 (5-5-64).

CORDERO, RONALD A., Summer Fellow in Philosophy, two months from June 16, 1964, $450 (4-14-64).

CRAIG, GEORGE D., National Science Foundation Summer Fellow in Economics, June 16-August 11, 1964, $680 (5-7-64).

CROUCH, STANLEY R., National Science Foundation Summer Fellow in Chemistry, June 16-August 25, 1964, $850 (5-7-64).

CUSIMAN, DAVID W., Minnesota Mining and Manufacturing Company Fellow in Chemistry, eleven months from September 16, 1964, $2,500 (5-11-64).

CYR, ROBERT A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,880 (4-17-64).

DALTON, WILLIAM O., United States Public Health Service Fellow (Trainee) in Chemistry, seven months from February 1, 1964, $1,457, supersedes (4-27-64).

DAS, ASIT B., Summer Fellow in Physiology, two months from June 16, 1964, $450 (4-14-64).

DAVIS, GEORGE C., JR., Summer Fellow in History, two months from June 16, 1964, $450 (4-14-64).

DEBORD, WARREN A., Summer Fellow in Marketing, two months from June 16, 1964, $450 (4-14-64).

DIAZ, MODESTO M., Summer Fellow in Spanish, two months from June 16, 1964, $450 (5-19-64).

DIXON, DANIEL B., Summer Fellow in Chemistry, two months from June 16, 1964, $450 (4-14-64).

DODGE, WILLIAM J., National Aeronautics and Space Administration Fellow (Trainee) in Mathematics, one year from September 1, 1964, $2,600 (4-20-64).

DOLAN, THOMAS J., JR., National Aeronautics and Space Administration Fellow (Trainee) in Nuclear Engineering, one year from September 1, 1964, $2,400 (4-15-64).

DONOHUE, JOHN T., DuPont Fellow in Physics, nine months from September 16, 1964, $2,400 (4-11-64).

DOUBLEDAY, JAMES F., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).

EATON, JOHN L., United States Public Health Service Fellow (Trainee) in Entomology, one year from July 1, 1964, $2,880 (5-1-64).

EEVER, CHARLES A., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, $2,600 (5-11-64).

ENGSTROM, STEPHENIE G., Summer Fellow in Education, two months from June 16, 1964, $450 (4-14-64).
Epley, Troy D., Monsanto Chemical Corporation Fellow in Chemistry, nine
months from September 16, 1964, $1,800; and two months from June 16, 1964,
$400 (4-22-64).
Evans, Kenneth E., Jr., Summer Fellow in Physics, two months from June 16,
1964, $450 (4-14-64).
Findley, Mildred M., United States Public Health Service Fellow (Trainee) in
Chemistry, two months from June 16, 1964, $467 (5-5-64).
Forsp, James H., Summer Fellow in History, two months from June 16, 1964,
$450 (4-14-64).
Foys, Robert M., Summer Fellow in English, two months from June 16, 1964,
$450 (4-14-64).
Friedberg, Robert J., National Science Foundation Cooperative Fellow II in
Physics, one year from June 16, 1964, $3,100 (5-11-64).
Frincke, Gerald L., National Science Foundation Summer Fellow in Psychology,
June 16-August 11, 1964, $680 (5-7-64).
Gagliano, Felix V., Jr., Special Summer Fellow in Political Science, two
months from June 16, 1964, $500 (4-23-64).
Gans, Daniel J., National Science Foundation Cooperative Fellow II in Mathe-
matics, one year from June 16, 1964, $2,600 (5-11-64).
Gass, David M., Chemical Industries Council Summer Fellow in Chemistry, two
months from June 16, 1964, $500 (5-11-64).
Gemrich, Edwin G., II, United States Public Health Service Fellow (Trainee)
in Entomology, two months from July 1, 1964, $480 (5-1-64).
Goff, James F., Summer Fellow in Geography, two months from June 16, 1964,
$450 (4-14-64).
Goldsmith, Leonard J., Summer Fellow in Psychology, two months from June 16,
1964, $450 (4-14-64).
Gray, Lewis R., Summer Fellow in Botany, two months from June 16, 1964, $450
(4-14-64).
Greenlee, James W., Summer Fellow in French, two months from June 16, 1964,
$450 (4-14-64).
Griego, Richard J., National Science Foundation Cooperative Fellow II in Math-
ematics, one year from September 1, 1964, $3,100 (5-11-64).
Gurak, Adriane M., Summer Fellow in Chemistry, two months from June 16,
1964, $450 (4-14-64).
Gutman, David, National Science Foundation Summer Fellow in Chemistry,
June 16-September 8, 1964, $1,020 (5-7-64).
Habacidch, William, National Science Foundation Summer Fellow in Economics,
June 16-September 8, 1964, $1,020 (5-7-64).
Hahn, William F., Summer Fellow in Mechanical and Industrial Engineering,
two months from June 16, 1964, $450 (4-14-64).
Haley, Kenneth W., Union Carbide-Carbon Summer Fellow in Chemical Engi-
neering, two months from June 16, 1964, $500 (5-19-64).
Harmer, Richard S., National Aeronautics and Space Administration Fellow
(Trainee) in Ceramic Engineering, one year from September 1, 1964, $2,600
(5-18-64).
Harris, Richard E., National Aeronautics and Space Administration Fellow
(Trainee) in Physics, nine months from September 16, 1964, $1,950 (4-21-64).
Hartwell, George E., National Science Foundation Summer Fellow in Chemistry,
June 16-September 8, 1964, $1,020 (5-7-64).
Hendrix, Helen C., National Science Foundation Institute Fellow in Mathe-
matics, one year from June 16, 1964, $3,600 (4-17-64).
Herlocker, David W., National Science Foundation Cooperative Fellow II in
Chemistry, one year from September 1, 1964, $2,600 (5-11-64).
Heur, Ronald E., National Science Foundation Cooperative Fellow II in Geology,
nine months from September 16, 1964, $1,950 (5-11-64).
Himan, Hugh K., Summer Fellow in Economics, two months from June 16, 1964,
$450 (4-14-64).
Hucko, Leila E., Charles E. Merriam Fellow in Political Science, nine months
from September 16, 1964, $1,500 (5-11-64).
Huseman, Richard C., Summer Fellow in Speech, two months from June 16,
1964, $450 (4-14-64).
INMAN, FRANKLIN P., JR., Postdoctoral Fellow in Microbiology, three months from June 1, 1964, $1,875 (5-21-64).

IRELAND, RONALD G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,740 (4-17-64).

JACOBSON, LEWIS A., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $467 (5-5-64).

JASNOW, DAVID, National Aeronautics and Space Administration Fellow (Trainee) in Physics, nine months from September 16, 1964, $1,800 (5-4-64).

JEN, LINDA C., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $467 (5-5-64).

JENSEN, CLARA S., Summer Fellow in Political Science, two months from June 16, 1964, $450 (4-14-64).

JOHNSON, JOHN A., National Science Foundation Cooperative Fellow I in Physics, one year from September 1, 1964, $2,900 (5-11-64).

JOHNSON, KAREN L., Summer Fellow in Botany, two months from June 16, 1964, $450 (4-14-64).

JUNG, ROBERT, Summer Fellow in Philosophy, two months from June 16, 1964, $450 (4-21-64).

KATZ, JOSE, Summer Fellow in Physics, two months from June 16, 1964, $450 (4-14-64).

KEENER, RONALD L., Phillips Petroleum Company Fellow in Chemistry, nine months from September 16, 1964, $2,000 (5-21-64).

KENJARSKI, STANLEY, National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, $2,400 (4-29-64).

KRASKA, JOHN R., National Science Foundation Trainee I in Chemical Engineering, one year from June 16, 1964, $2,400 (4-15-64).

KUENZI, NORBERT J., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, $1,953.75, supersedes; and National Science Foundation Institute Summer Teaching Fellow in Mathematics, three months from June 16, 1964, $380 (5-18-64).

LACEY, JAMES E., National Science Foundation Cooperative Fellow II in Geology, one year from September 1, 1964, $2,600 (5-11-64).

LANDON, DALE E., Summer Fellow in History, two months from June 16, 1964, $450 (4-14-64).

LARSON, A., National Science Foundation Cooperative Fellow I in Chemistry, one year from June 16, 1964, $2,900 (5-11-64).

LASSO, JAMES S., National Science Foundation Cooperative Fellow II in Physics, one year from September 1, 1964, $3,100 (5-11-64).

LUCAS, PAUL A., Special Summer Fellow in Physics, two months from June 16, 1964, $375 (4-24-64).

MACLEOD, M., United States Public Health Fellow (Trainee) in Biophysics, one year from June 16, 1964, $2,666.04 (5-19-64).
MADISON, KENNETH G., Summer Fellow in History, two months from June 16, 1964, $450 (4-14-64).

MAHRT, JEROME L., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1964, $4,750 (5-4-64).

MAIER, ERNEST L., Summer Fellow in Marketing, two months from June 16, 1964, $450 (4-16-64).

MALL, JAMES P., Summer Fellow in French, two months from June 16, 1964, $450 (4-14-64).

MANN, LINDSAY A., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).

MARCO, GARY L., Summer Fellow in Education, two months from June 16, 1964, $450 (4-14-64).

MARIA, ROBERTO S., Fellow in Mathematics, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (4-20-64).

MARIS, RONALD, Summer Fellow in Sociology, two months from June 16, 1964, $450 (4-14-64).

MARISIC, ELLIN R., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).

MARKOS, DONALD W., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).

MARLIN, MARJORIE J. M., National Science Foundation Cooperative Fellow in Psychology, one year from September 1, 1964, $2,800 (5-11-64).

MARTIN, LAWRENCE L., Edward Orton Foundation Fellow in Ceramic Engineering, nine months from September 16, 1964, $1,600 (5-1-64).

MCGEARY, DAVID F. R., Summer Fellow in Geology, two months from June 16, 1964, $450 (4-14-64).

MCKINNON, DANA G., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).

MEREDITH, CONNIE G. W., National Science Foundation Cooperative Fellow II in Psychology, one year from June 16, 1964, $4,100 (5-11-64).

MEREDITH, DALE D., National Science Foundation Cooperative Fellow II in Civil Engineering, one year from September 1, 1964, $2,600 (5-11-64).

MIDJAAS, CARL L., Summer Fellow in Education, two months from June 16, 1964, $450 (4-14-64).

MILNER, BILLY E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,740 (5-6-64).

MINTZ, LOIS E., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, $1,020 (5-7-64).

MITCHELL, WILLIAM T., National Science Foundation Cooperative Fellow III in Chemical Engineering, one year from September 1, 1964, $4,300 (5-11-64).

MONTAGUE, JOHN S., Summer Fellow in Mathematics, two months from June 16, 1964, $450 (4-14-64).

NANZETTA, PHILIP N., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1964, $1,020 (5-7-64).

NETTLETON, JOHN F., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $467 (5-5-64).

NORTHGUT, RICHARD G., National Science Foundation Summer Fellow in Zoology, June 16-September 8, 1964, $1,020 (5-7-64).

O'NEILL, WILLIAM P., National Science Foundation Cooperative Fellow III in Chemistry, one year from September 1, 1964, $4,800 (5-11-64).

PACE, NORMAN R., United States Public Health Service Fellow (Trainee) in Microbiology, June 16-August 31, 1964, $587.50 (5-21-64).

PAFLIKAS, AUSTE M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $467 (5-4-64).

PARSONS, MICHAEL J., Summer Fellow in Education, two months from June 16, 1964, $450 (4-14-64).

PAULSON, HOLLACE E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,170 (4-17-64).
PÉREZ-ALBURNE, Evelio A., Consolidation Coal Company Summer Fellow in Chemical Engineering, two months from June 16, 1964, $500 (5-19-64).

Petersen, Harold, Jr., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1964, $500 (5-11-64).

Petterson, Lance G., United States Public Health Service Fellow (Trainee) in Virology, two months from July 1, 1964, $480 (5-4-64).

Phipps, Catherine P., Summer Fellow in Business Education, two months from June 16, 1964, $450 (5-19-64).

Piper, Edward H., Procter and Gamble Fellow in Chemistry, nine months from September 16, 1964, $2,100 (4-22-64).

Pontius, Paul E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $3,600 (4-17-64).

Porter, Agnes R., Summer Fellow in French, two months from June 16, 1964, $450 (4-14-64).

Pritzer, Calvin L., Summer Fellow in Speech, two months from June 16, 1964, $450 (4-14-64).

Puzy, George A., Wright Teaching Fellow in Agricultural Engineering, September 1, 1964-June 15, 1965, $1,800; and two months from June 16, 1965, $450 (5-1-64).

Randall, William J., Monsanto Summer Fellow in Chemistry, two months from June 16, 1964, $400 (4-21-64).

Raich, Gary C., National Science Foundation Cooperative Fellow in Metallurgical Engineering, nine months from September 16, 1964, $1,800 (5-11-64).

Redenbo, James M., United States Public Health Fellow (Trainee) in Biophysics, three months from June 16, 1964, $666.51 (5-19-64).

Reinking, Robert L., Summer Fellow in Geology, two months from June 16, 1964, $450 (4-14-64).

Ripka, William C., Esso Research and Engineering Fellow in Chemistry, nine months from September 16, 1964, $2,100 (4-22-64).

Roth, Michael, Summer Fellow in Philosophy, two months from June 16, 1964, $450 (4-14-64).

Rubin, David L., Special Summer Fellow in French, two months from June 16, 1964, $375 (4-24-64).

Rupley, Lawrence A., Summer Fellow in Economics, two months from June 16, 1964, $450 (4-14-64).

Ruth, Robin, United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $467 (5-5-64).

Sain, Michael K., National Science Foundation Cooperative Fellow III in Electrical Engineering, one year from September 1, 1964, $3,300 (5-11-64).

Sheurich, Venice A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $3,600 (4-17-64).

Schwartz, Harvey, Summer Fellow in Economics, two months from June 16, 1964, $450 (4-14-64).

Seaton, William D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,880 (4-17-64).

Shapiro, Thomas M., Part-time Medical Student Research Fellow in Physiology, Winter and Spring Quarters of the 1963-64 academic year, $400 (1-16-64).

Shelton, Keith R., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $467 (5-4-64); and National Science Foundation Cooperative Fellow II in Chemistry, one year from September 1, 1964, $2,600 (5-11-64).

Shields, Ellen F., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).

Shugard, Stephen C., Summer Fellow in Classics, two months from June 16, 1964, $450 (4-14-64).

Silberstein, Ilan, Teaching Fellow in Mechanical Engineering, nine months from September 16, 1964, $1,800 (4-1-64).

Slater, John M., Fellow in Agricultural Economics, nine months from September 16, 1964, $2,200; and two months from June 16, 1965, $300 (5-11-64).

Sloan, William N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,880 (4-17-64).

Smith, David Q., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).
SMITH, FRANCIS W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,310 (4-17-64).

SMITH, GERALD W., National Science Foundation Trainee I in Civil Engineering, one year from September 1, 1964, $2,900 (4-29-64).

SMITH, JAMES K., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,740 (4-17-64).

SMITH, JOHN E., JR., National Science Foundation Cooperative Fellow III in Physics, one year from September 1, 1964, $2,800 (5-11-64).

SMITH, STEVEN R., Special Summer Fellow in Spanish, two months from June 16, 1964, $375 (4-24-64).

SMITH, THEODORE P., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1964, $2,200 (5-1-64).

SOJA, DOROTHY M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1964, $467 (5-4-64).

STANTON, RICHARD H., Fellow in Physics, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $450 (4-1-64).

STENSON, HERBERT H., Summer Fellow in Psychology, two months from June 16, 1964, $450 (4-14-64).

STEVENS, KARL K., National Science Foundation Summer Fellow in Theoretical and Applied Mechanics, June 16-September 8, 1964, $1,020 (5-7-64).

STONE, ALEXANDER P., National Science Foundation Summer Fellow in Mathematics, June 16-August 11, 1964, $680 (5-7-64).

STROM, ULRICH, Special Summer Fellow in Physics, two months from June 16, 1964, $375 (4-24-64).

TODESCHINI, CLAUDIO E., Summer Fellow in Theoretical and Applied Mechanics, two months from June 16, 1964, $375 (4-24-64).

TREASE, GERTRUDE, Teaching Fellow in French, nine months from September 16, 1964, $1,800; and two months from June 16, 1965, $450 (5-1-64).

TRUITT, CATHERINE C., Summer Fellow in Mathematics, two months from June 16, 1964, $450 (4-14-64).
VANDER HART, DAVID L., Summer Fellow in Chemistry, two months from June 16, 1964, $450 (4-14-64); and Fellow in Chemistry, nine months from September 16, 1964, $2,000; and two months from June 16, 1965, $500, supersede (4-29-64).

VEACH, MARY L., Summer Fellow in English, two months from June 16, 1964, $450 (4-14-64).

VELDKAMP, ARNOLD H., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $5,880 (4-17-64).

VIOLS, DON L., National Science Foundation Institute Teaching Fellow in Mathematics, one year from June 16, 1964, $2,896 (5-11-64).

VOLD, ROBERT L., Summer Fellow in Chemistry, two months from June 16, 1964, $450 (4-14-64).

WALKER, CLINTON B., John W. Dallenbach Fellow in Psychology, nine months from September 16, 1964, $2,500 (5-1-64).

WALKER, LEIGH E., National Science Foundation Cooperative Fellow II in Chemistry, one year from June 16, 1964, $3,100 (5-11-64).

WEIDEKIND, GILBERT L., National Science Foundation Summer Fellow in Mechanical Engineering, June 16-September 8, 1964, $1,020 (5-7-64).

WEECH, TERRY L., Lois Wells Irwin Fellow in Library Science, nine months from September 16, 1964, $500 (5-1-64).

WELLER, PATRICIA F., United States Public Health Summer Fellow (Trainee) in Chemistry, two months from June 16, 1964, $466.66 (5-19-64).

WILLS, WILLIAM L., Summer Fellow in Chemistry, two months from June 16, 1964, $450 (4-14-64).

WRIGHT, CHARLES N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,170 (4-17-64).

YNTEMA, MARY K., National Science Foundation Cooperative Fellow III in Mathematics, one year from September 1, 1964, $2,800 (5-11-64).

ZANZUCCHI, PETER J., Summer Fellow in Chemistry, two months from June 16, 1964, $450 (4-14-64).

RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

ABRAHAM, CLAUDE K., Assistant Professor of French — resignation effective September 1, 1964.

ADAMS, JAMES M., Assistant in the Institute of Aviation — resignation effective May 1, 1964.


ASTT, RICHARD B., National Science Foundation Graduate Fellow in Chemical Engineering — resignation effective June 1, 1964.

WRIGHT, CHARLES N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1964, $4,170 (4-17-64).

YNTEMA, MARY K., National Science Foundation Cooperative Fellow III in Mathematics, one year from September 1, 1964, $2,800 (5-11-64).

ZANZUCCHI, PETER J., Summer Fellow in Chemistry, two months from June 16, 1964, $450 (4-14-64).
BARry, alan J., Assistant Professor of Physical Education for Men — resignation effective September 1, 1964.
Bennett, Wilma, Bibliographer in the Library, with rank of Instructor — resignation effective June 1, 1964.
Birch, John W., Assistant Professor of Economics — resignation effective September 1, 1964.
Bond, James A., Assistant Professor of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
Charles, Allan G., Clinical Assistant Professor of Obstetrics and Gynecology, College of Medicine — resignation effective May 15, 1964.
Cohen, Joseph B., Associate Professor of Psychology, Summer Session of 1964 — resignation effective June 15, 1964.
Davison, Melvin T., Associate Professor of Civil Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
Dill, Allen F., Associate Professor of Civil Engineering, College of Engineering and Engineering Experiment Station — resignation effective September 1, 1964.
Dixon, Robert D., Instructor in Mathematics — resignation effective September 1, 1964.
Drower, Sara R., Instructor in the Division of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964 — declination effective June 19, 1964.
Edsall, James V., Assistant to the Director of the Physical Plant (Planning Coordinator) — resignation effective June 1, 1964.
Foster, Donald L., Cataloger in the Library, with rank of Instructor — resignation effective July 1, 1964.
Gamble, William L., Assistant Professor of Civil Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
Glenn, Norval D., Assistant Professor of Sociology — resignation effective September 1, 1964.
Godu, Jacques Andre Jean-Claude, United States Public Health Service Fellow (Trainee) in Veterinary Medical Science — resignation effective May 1, 1964.
Golembiewski, Robert T., Assistant Professor of Management — resignation effective September 1, 1964.
Gottlieb, Daniel H., Instructor in Mathematics — resignation effective September 1, 1964.
Granifer, Edmond E., Instructor in Mathematics — resignation effective September 1, 1964.
Grimm, Clyde L., Assistant Professor of English — resignation effective September 1, 1964.
Guldner, Ruth C., Acquisition Assistant in the Library — resignation effective September 1, 1964.
Hale, Kenneth L., Assistant Professor of Anthropology and Linguistics — resignation effective September 1, 1964.
Headings, Philip R., Assistant Professor of English — resignation effective September 1, 1964.
Hollingsworth, J. Rogers, Assistant Professor of History — resignation effective September 1, 1964.
Huttema, Roy, Professor of Chemistry (Physical Sciences), Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
Hulsizer, Robert I., Jr., Professor of Physics — resignation effective September 1, 1964.
Huncke, Mrs. Sheila C., Instructor in Medical Social Work, College of Medicine — resignation effective June 16, 1964.
INMAN, FRANKLIN P., JR., Research Associate in Microbiology — resignation effective June 1, 1964.
JACKSON, RICHARD L., United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective June 1, 1964.
KASKE, ROBERT E., Professor of English — resignation effective September 1, 1964.
KAUFFMAN, WILLIS C., Associate Professor of Housing and Home Furnishings, Department of Home Economics — resignation effective September 1, 1964.
KLOT, STEVEN E., Fellow in Political Science — resignation effective September 16, 1964.
KONZ, STEPHAN, Instructor in Mechanical Engineering — resignation effective September 1, 1964.
KORNACKER, MILDRED, Instructor in Sociology (Social Sciences), Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
LACOUDRES, BASIL E., Assistant in English (Humanities), Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
LONG, CHESTER C., Assistant Professor of Speech and Theatre — resignation effective September 1, 1964.
LORD, WILLIAM J., Jr., Associate Professor of Business Administration — resignation effective September 1, 1964.
LUSTIG, JEREMY, Teaching Fellow in Music — resignation effective September 16, 1964.
MASON, RALPH E., Associate Professor of Business Education — resignation effective September 1, 1964.
MATSUMOTO, HIDEO, Research Associate in Pathology, College of Medicine — resignation effective May 21, 1964.
MOK, CHI-HUNG, Research Associate in Metallurgical Engineering — declination effective September 1, 1964.
MOORE, CHARLES A., Assistant in the Institute of Aviation — resignation effective May 1, 1964.
MUNSINGER, HARRY, Fellow in Psychology — declination effective June 16, 1964.
NADEAU, RAYMOND E., Professor of Speech — resignation effective September 1, 1964.
OLSON, LAWRENCE W., Assistant Professor of Speech and Theatre, Summer Session of 1964 — resignation effective June 15, 1964.
OSBORN, HOWARD, Associate Professor of Mathematics, Summer Session of 1964 — declination effective June 15, 1964.
PABARCUS, ALGIS, Assistant Professor of Civil Engineering, Chicago Undergraduate Division, Summer Session of 1964 — resignation effective June 19, 1964.
PARROTT, DELORES L., Instructor and 4-H Club Specialist, Cooperative Extension Service in Agriculture and Home Economics — resignation effective June 1, 1964.
PEARSON, ROBERT E., Pharmacy Resident, College of Pharmacy — resignation effective June 1, 1964.
PFLUMMANN, DANIEL D., Assistant Professor of Chemistry and Chemical Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
PHILLIPS, WILLIAM D., Assistant Professor in the Department of Special Education and in the Institute for Research on Exceptional Children — resignation effective September 1, 1964.
PLACEK, MRS. CYNTHIA B., Assistant Editor in the College of Veterinary Medicine with rank of Assistant — resignation effective May 23, 1964.
PRAVINSKAS, MRS. JEAN, Assistant Professor of English — resignation effective September 1, 1964.
Pschorr, Helene, Registered Pharmacist, College of Pharmacy — resignation effective June 9, 1964.
Runkel, Philip J., Professor of Educational Psychology, Bureau of Educational Research — resignation effective September 1, 1964.
Stein, Allan R., Fellow in Chemistry — resignation effective May 9, 1964.
Stillinger, Jack C., Associate Professor of English, Summer Session of 1964 — resignation effective June 15, 1964.
Stutcliffe, Samuel, Assistant Professor of Civil Engineering — resignation effective September 1, 1964.
Tagger, Michel, Instructor in Endodontics and in Periodontics, Department of Applied Materia Medica and Therapeutics, College of Dentistry — resignation effective May 11, 1964.
Trescoth, Peter C., Fellow in Geology — resignation effective June 16, 1964.
Troughton, Terence E., Field Biologist in the Natural History Survey and in the Graduate College — termination effective June 1, 1964.
Wheatley, James H., Assistant Professor of English — resignation effective September 1, 1964.
Williams, Vernita, Assistant Chief Pharmacist, College of Pharmacy — resignation effective July 3, 1964.
Wilson, George J., Instructor in the Institute of Aviation — resignation effective June 1, 1964.
Wingard, Mrs. Marilyn, Assistant in Veterinary Pathology and Hygiene — resignation effective June 16, 1964.
Woodard, Margaret, Visiting Lecturer in the Division of Biological Sciences, Chicago Undergraduate Division, Summer Session of 1964 — declination effective June 19, 1964.
Wright, Ramil C., Fellow in Geology — resignation effective June 16, 1964.
Wyatt, Mrs. Marie G., Assistant in Education (University High School) — resignation effective June 16, 1964.
Wyman, Marvin E., Professor of Nuclear Engineering, Summer Session of 1964 — resignation effective June 15, 1964.
Young, Lorna B., Research Assistant in Chemistry, resignation effective July 1, 1964.

Leaves of Absence
Bateman, Paul T., Professor of Mathematics and Associate Head of the Department — leave of absence, without pay, for the academic year 1964-65, so that he may accept a visiting professorship at the Graduate Center of the City University of New York.
Burnett, R. Will, Professor of Secondary and Continuing Education, and Chairman of the Department — leave of absence, without pay, for the academic year 1964-65, so that he may accept an assignment on an Agency for International Development educational project in India.
Currie, Leonard J., Professor of Architecture and Dean of the College of Architecture and Art, Chicago Undergraduate Division — leave of absence, without pay, from August 13 through August 30, 1964, so that he may accept an assignment on a mission to Central America for the Agency for International Development.
Davisson, Melvin T., Associate Professor of Civil Engineering, College of Engineering — leave of absence, without pay, for the first semester of the academic year 1964-65, so that he may accept a Visiting Professorship at the University of California at Berkeley.
Holshouser, Don F., Associate Professor of Electrical Engineering, College of Engineering and Engineering Experiment Station—leave of absence, without pay, for three months from March 15, 1965, in addition to his sabbatical leave of absence for six months from September 15, 1964, so that he may spend the full academic year at the National Technical University of Athens.

Jensen, Aldon H., Associate Professor of Animal Nutrition, Department of Animal Science, College of Agriculture and Agricultural Experiment Station—leave of absence, without pay, for one year from July 1, 1964, so that he may accept a Visiting Professorship in the Department of Animal Husbandry at the Kansas State University, Manhattan, Kansas.

McCulloh, Leon R., Assistant Professor of Mathematics—leave of absence, without pay, for the academic year 1964-65, so that he may engage in study and research at Indiana University.

Neal, James P., Associate Professor of Electrical Engineering, College of Engineering—leave of absence, without pay, for the academic year 1964-65, so that he may accept the National Research Council-National Bureau of Standards Postdoctoral Research Associateship for study and research at the National Bureau of Standards.

Nishijima, Kazuhiko, Professor of Physics, College of Engineering—leave of absence, without pay, for the second semester of the academic year 1964-65, so that he may accept an appointment in the International Center for Theoretical Physics at Trieste, Italy.

Planty, Earl, Professor of Management—leave of absence, without pay, for two years from September 1, 1964, so that he may serve as Dean of the College of Business Administration in Haile Selassi I University at Addis Ababa, Ethiopia.

Robins, Harry, Associate Professor of English—leave of absence, without pay, for the academic year 1964-65, so that he may accept an appointment as Visiting Professor of English at the University of Arizona at Tucson.

Sayre, Robert F., Assistant Professor of English—leave of absence, without pay, for the academic year 1964-65, so that he may accept a research fellowship in American literature at the Anglo-American Institute in Lund, Sweden.

Soles, Eugene F., Professor of Law—leave of absence, without pay, for the first semester of the academic year 1964-65, in addition to his sabbatical leave for the second semester.

Shimkin, Demetri B., Professor of Anthropology and of Geography, and Senior Staff Member in the Center for Zoonoses Research—leave of absence, without pay, for the academic year 1964-65, so that he may accept an appointment as Visiting Professor of Anthropology at Harvard University.

Yamamoto, Mrs. Patricia, Illini Union Browsing Room Librarian, with rank of Assistant, in the Library—leave of absence, without pay, from June 15 through August 31, 1964.

CANCELLATION OF LEAVE OF ABSENCE

Mark, Werner, Assistant Professor of German—leave of absence, without pay, previously granted him for one year from September 1, 1964, has been cancelled.

FUTURE BOARD MEETINGS

President Clement reminded the Trustees that the next meeting of the Board will be held in Urbana on July 22, 1964, according to a schedule to be determined by the President and Secretary of the Board.

Consideration was also given to a meeting in August. No action was taken but it was the consensus that August 19, the regular date, be tentatively considered for a meeting of the Board or of its Executive Committee if the amount and nature of the business requiring Board action at that time justifies a meeting.

Mr. Williamson suggested that consideration be given to holding another meeting in the near future in the Dixon Springs area.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session was being
ordered for consideration of property acquisitions and that this session would be held after luncheon recess and would be followed by meetings of Board Committees.

On motion of Mr. Swain, the Board recessed.

During the luncheon recess, Mr. Douglas R. Mills, Director of Intercollegiate Athletics, reported informally on the new golf course, made possible by a gift of land from the late Mr. Hartwell C. Howard of Champaign to the Athletic Association of the University of Illinois, which is now under construction adjoining the present University of Illinois Golf Course at Savoy, Illinois. Mr. Charles D. Wagstaff, landscape architect and designer of both courses, was present and was introduced. Director Mills distributed a memorandum of his presentation and a copy was filed with the Secretary.

When the Board reconvened in executive session, the same members, officers of the Board, and University officers were present as recorded at the beginning of these minutes, except Mr. Ray Page who asked to be excused.

The Board considered the following matters of business presented by the President of the University and by the Director of the Physical Plant.

**PURCHASE OF PROPERTY AT 509 EAST DANIEL STREET, CHAMPAIGN**

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Illinois Building Authority be requested to purchase for the University the property at 509 East Daniel Street, Champaign, at a price of $47,500 pursuant to the Illinois Building Authority Act.

The property is a lot approximately 50 feet by 175.25 feet (8,683 square feet), improved with a two and one-half story and basement frame rooming house. The land area will be used for parking. Possession will be delivered not later than August 10, 1964, on all but the east 10 feet of the south 57 feet; and the latter area will be delivered on or before August 10, 1969.

The price is within University appraisals. The Committee on Buildings and Grounds has also recommended the purchase.

I concur.

On motion of Mr. Swain, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Page.

**PURCHASE OF PROPERTY AT 912 SOUTH FIFTH STREET, CHAMPAIGN**

(2) The University has an opportunity to purchase the property at 912 South Fifth Street. Champaign.

The property is a corner lot 59.24 feet on Fifth Street by 66.3 feet on Chalmers Street (3,928 square feet) and is improved with a two and one-half story and basement frame dwelling. The land area is not now required for campus expansion but is a strategic corner location where the University will later need to provide parking for single graduate students. In the meantime, the house can be used either as a staff housing unit or for temporary offices.

The owner is willing to sell at a price of $28,500, the appraised value.

It is recommended that the University request the University of Illinois Foundation to purchase the property and lease it back to the University at a rate to be determined.

I concur.

On motion of Mr. Williamson, this recommendation was approved
by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dillard, Mr. Hughes, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 1107 WEST SPRINGFIELD AVENUE, URBANA**

(3) University representatives have been negotiating for the purchase of the property at 1107 West Springfield Avenue, Urbana, a lot 42.5 feet by 132 feet (5,610 square feet) with a two-story and basement stucco house used as a residence by the owner and for student rooms. The land is needed as part of the site for construction of the next unit of the Coordinated Science Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of $23,000, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal. The Director of the Physical Plant and the Vice-President and Comptroller therefore recommend that the Board of Trustees authorize the institution of condemnation proceedings for acquisition of the property.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property at 1107 West Springfield Avenue, Urbana**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot three (3) except the West Twenty-three Feet (23') thereof in Block Five (5) in the Urbana Railroad Company's Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of
Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

Be It, and It Is Hereby Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefore, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Swain the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Johnston, Mr. Jones, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Dilliard, Mr. Hughes, Mr. Kerner, Mr. Page.

On motion of Mrs. Watkins the Board adjourned.

A. J. Janata
Secretary

Howard W. Clement
President
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