The July meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Tuesday, July 26, 1960, beginning at 9:30 a.m.

The following members of the Board were present: Mr. Richard A. Harewood, 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, Mr. Howard W. Clement, Mr. Wirt Herrick, and Governor William G. Stratton were absent.

Also present were President David D. Henry, Vice-President and Provost Lyle H. Lanier, Dr. Joseph S. Begando, Assistant to the President and Acting Vice-President in charge of the Chicago Professional Colleges, Executive Dean C. C. Caveny of the Chicago Undergraduate Division, Mr. Ralph F. Lesemann, Legal Counsel, Professor Norman A. Parker, Chairman of the University's Building Program Committee, Mr. C. E. Flynn, Director of Public Information, Dr. Edward F. Lis, Director of the Division of Services for Crippled Children, Associate Dean Gibbon Butler of the College of Liberal Arts and Sciences; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.
MINUTES APPROVED

The Secretary presented the minutes of the meetings of the Board of Trustees on February 24, March 16, and April 20, 1960, 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 1161 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.

APPOINTMENT OF DEAN OF THE COLLEGE OF EDUCATION

(1) Following the death last year of Dean B. L. Dodds of the College of Education, a search committee was appointed to make recommendations for the deanship of the College. In the meantime, Professor Charles M. Allen, Coordinator of the Council on Teacher Education and Associate Dean of the College, has been serving as Acting Dean.

The Committee is not prepared to recommend a continuing appointment at this time and prefers to suggest for a two-year term a nationally known and experienced administrator who is near retirement. This arrangement will make possible the handling of the immediate business of the College with dispatch and confidence and the initiation of preliminary steps in long-range planning, pending the renewal of the search for a long-term appointee.

Accordingly, on recommendation of the search committee and after consultation with the Executive Committee of the College, the Vice-President and Provost, and the Dean of the Graduate College, I recommend the appointment of Dr. Alonzo G. Grace, presently Associate Dean of the School of Education of New York University, as Dean of the College of Education for two years from September 1, 1960, at a salary of $22,000 a year (of which $2,000 represents additional compensation to be paid in lieu of his participation in the University Retirement System of Illinois) on "Y" basis.

Dr. Grace was scheduled to retire from New York University in August, 1961, at age sixty-five. The appointment here will prolong his professional service in a position of leadership and importance to higher education as well as to the University of Illinois.

On motion of Mr. Johnston, this appointment was approved.

ACTING VICE-PRESIDENT IN CHARGE OF THE CHICAGO PROFESSIONAL COLLEGES

(2) Pending a permanent appointment to the position of Vice-President in charge of the Chicago Professional Colleges, Joseph S. Begando, Assistant to the President, has been designated to serve as Acting Vice-President in Chicago effective as of June 20, 1960, and continuing until further notice. Official confirmation is requested.

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

HEADSHIP OF DEPARTMENT OF PHYSIOLOGY

(3) Professor Robert E. Johnson, Head of the Department of Physiology in the College of Liberal Arts and Sciences, has asked to be relieved of the headship of the Department in order that he may devote more time to his work as Director of the University Honors Program. It is recommended that his request be granted.

A search committee on the headship of the Department and the Dean of the College of Liberal Arts and Sciences recommend the appointment of Professor C. Ladd Prosser, a member of the Department faculty for many years, as Head of the Department of Physiology beginning September 1, 1960, at an annual salary of $15,000.

This recommendation has been made after consultation with all members of the Department of professorial rank, the Executive Committee of the School of Life Sciences, and the Executive Committee of the College, all groups en-
thusiastically concurring in the nomination. The Vice-President and Provost and the Dean of the Graduate College also concur.
I recommend approval.

On motion of Mr. Swain, this appointment was approved.

HEADSHIP OF DEPARTMENT OF MICROBIOLOGY
(4) The Director of the School of Life Sciences and the Dean of the College of Liberal Arts and Sciences recommend the appointment of Kimball Chase Atwood, presently Associate Professor of Medical Genetics at the University of Chicago, as Professor of Microbiology on indefinite tenure and Head of the Department of Microbiology beginning August 1, 1960, at an annual salary of $18,000 on "A" basis. This appointment is to fill the vacancy created by the appointment of Professor H. O. Halvorson, former Head of the Department, as Director of the School of Life Sciences.

The members of the Department of professorial rank and the Executive Committee of the School have been consulted. The Vice-President and Provost and the Dean of the Graduate College concur.

I recommend approval.

On motion of Mr. Harewood, this appointment was approved.

APPOINTMENT OF ASSISTANT TO DEAN OF ADMISSIONS AND RECORDS
(5) On recommendation of the Dean of Admissions and Records, I have approved the appointment of Frank A. Bridgewater, presently Director of the Division of Special Services for War Veterans, as Assistant to the Dean of Admissions and Records for one year from September 1, 1960, at a salary of $11,000 on "Y" basis.

On motion of Mr. Swain this appointment was confirmed.

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. ERIC BAER, Assistant Professor of Chemical Engineering, beginning September 1, 1960, at an annual salary of $6,800 (B).
2. WILLIAM BERKOW, Assistant Professor of General Engineering, beginning September 1, 1960, at an annual salary of $7,000 (B).
3. MARTIN I. BLAKE, Associate Professor of Pharmacy, beginning September 1, 1960, at an annual salary of $11,000 (AY).
4. EDWARD M. BRUNER, Associate Professor of Anthropology, beginning September 1, 1961, at an annual salary of $9,000 (A).
5. MORTON KREMEN BRUSSEL, Research Assistant Professor of Physics, beginning June 10, 1960, at an annual salary of $8,000 (DY).
6. JACQUES COLLIN, Assistant Professor of Architecture, beginning September 1, 1960, at an annual salary of $7,500 (D).
7. NORMAN Davenport Day, Assistant Professor of Architecture, beginning September 1, 1960, at an annual salary of $7,000 (D).
8. THEODORE DELEVORYAS, Associate Professor of Botany, for two months from July 1, 1960, at a salary of $1,933 (G); and beginning September 1, 1960, at an annual salary of $8,700 (B).
9. PIERRE DEMARQUE, Assistant Professor of Astronomy, beginning September 1, 1960, at an annual salary of $7,500 (B).
10. ELIZABETH Y. DERNAN, Research Assistant Professor in the Bureau of Economic and Business Research, beginning September 1, 1960, at an annual salary of $7,800 (DY).
11. JOHN JAMES DESMONT, Assistant Director of the Coordinated Science Laboratory, beginning September 1, 1960, at an annual salary of $13,000 (DY).
12. CLARA DUNTON, Assistant Professor of Home Furnishings, in Home Economics Extension, beginning July 1, 1960, at an annual salary of $7,500 (DY).
13. HARRY M. DuVY, Visiting Professor of Labor and Industrial Relations, for the second semester of 1960-61, at a salary of $6,500 (E).
14. William Eng, Assistant Professor of Architecture, beginning September 1, 1960, at an annual salary of $9,000 (D).
15. Alice Marcella Fay, Assistant Professor of Nursing, beginning May 1, 1960, at an annual salary of $8,544 (DY).
16. Mark G. Field, Associate Professor of Sociology, beginning September 1, 1960, at an annual salary of $12,000 (A); on leave of absence without pay during the academic year 1960-61.
17. Robert W. Gerstner, Assistant Professor of Engineering, Chicago Undergraduate Division, beginning September 1, 1960, at an annual salary of $7,600 (D).
18. Samuel Irving Goldberg, Visiting Associate Professor of Mathematics, beginning September 1, 1960, at an annual salary of $9,500 (D).
19. Lowell Paul Hager, Assistant Professor of Biochemistry, beginning September 1, 1960, at an annual salary of $9,000 (B).
20. Louis Charles Hefel, Jr., Visiting Assistant Professor of Physics, for the second semester of 1960-61, without salary (D).
21. Kurt Klein, Assistant Professor of Russian, beginning September 1, 1960, at an annual salary of $7,500 (B).
22. Merle Kling, Visiting Professor of Political Science, for the second semester of 1960-61, at a salary of $5,500 (E).
23. Norman Kreitzmann, Visiting Assistant Professor of Philosophy, for the academic year 1960-61, at a salary of $7,000 (E).
24. Bernard Lazewitz, Assistant Professor of Sociology, beginning September 1, 1960, at an annual salary of $8,100 (D).
25. Krunoslav Ljolje, Research Assistant Professor of Physics, beginning September 1, 1960, at an annual salary of $7,500 (DY).
26. Boris Marco, Visiting Professor of Art, for the first semester of 1960-61, at a salary of $5,000 (E).
27. John W. Metzger, Assistant Dean and Assistant Professor, College of Law, beginning September 1, 1960, at an annual salary of $10,800 (DX); $9,500 (E).
28. Marcus Morn, Visiting Professor of Spanish, for the academic year 1960-61, at a salary of $10,000 (E).
29. Elwood Oliver, Associate Professor of Agricultural Engineering, beginning September 1, 1960, at an annual salary of $10,000 (AY).
30. Melvin Godfrey Parsons, Jr., Assistant Professor in the Bureau of Business Management, beginning August 1, 1960, at an annual salary of $8,000 (B).
31. Hubert E. Risser, Professor of Mineral Economics, in the Department of Mining and Metallurgical Engineering, on one-tenth time, beginning September 1, 1960, at an annual salary of $1,200 (A).
32. Gunther Rott, Assistant Professor of Sociology, beginning September 1, 1960, at an annual salary of $7,000 (B).
33. Martin F. Schulman, Associate Professor of Pharmacology, in the College of Medicine, beginning September 1, 1960, at an annual salary of $12,200 (A).
34. Alfonso Shibley, Lecturer in Psychiatry with rank of Associate Professor, in the College of Medicine, beginning July 1, 1960, without salary (D).
35. Edward Shermaker, Associate Professor of Theoretical and Applied Mechanics, beginning September 1, 1960, at an annual salary of $9,500 (D).
36. Waclaw W. Soroka, Bibliographer with rank of Assistant Professor, Library, beginning June 1, 1960, at an annual salary of $7,000 (D).
37. David Alton Storey, Assistant Professor of Grain Marketing, in the Department of Agricultural Economics, beginning August 1, 1960, at an annual salary of $8,500 (D).
38. Roger Albert Streiflow, Visiting Professor of Aeronautical Engineering, for eleven months beginning August 1, 1960, at a salary of $12,000 (G).
39. Adolf E. Stroththal, Professor of Labor and Industrial Relations, beginning August 1, 1960, at an annual salary of $14,100 (A).
40. John V. Trewert, Visiting Associate Professor of Education, for the academic year 1960-61, at a salary of $10,000 (E).
41. Jack Tworoik, Visiting Professor of Art, for one month from March 15, 1961, at a salary of $2,000 (E).
42. John J. Waferling, Assistant Director of the Physical Plant Department, Chicago Undergraduate Division, beginning July 1, 1960, at an annual salary of $14,000 (DY).
43. THOR E. WOOD, Music Librarian with rank of Assistant Professor, Library, beginning September 1, 1960, at an annual salary of $7,350 (DY).

44. WILLIAM WOODRUFF, Visiting Professor of Economics, for the academic year 1960-61, at a salary of $9,000 (E).

**Appointments to Nonacademic Staff**

The Director of Nonacademic Personnel reports the following appointments to supervisory positions of upper level responsibility.

1. KAREN R. GARNER, Assistant Food Production Manager, Illini Union, beginning June 1, 1960, at an annual salary of $4,200.

2. EDWARD T. GSEARCHING, Assistant Examiner, Admissions and Records, beginning May 16, 1960, at an annual salary of $5,400.

3. JOHN W. RICE, Hospital Administrator, McKinley Hospital, beginning June 1, 1960, at an annual salary of $7,500.

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

**APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY**

(7) The Committee on Accountancy recommends the appointment of Mr. William M. Emery, partner in the law firm of McDermott, Will, and Emery, 111 West Monroe Street, Chicago, Illinois, as a member of the Board of Examiners in Accountancy for a period of three years beginning July 1, 1960, to succeed Mr. George Ragland, Jr., whose term has expired.

I concur.

On motion of Mr. Johnston, this appointment was approved.

**APPOINTMENTS TO THE UNIVERSITY OF ILLINOIS CITIZENS COMMITTEE**

(8) At its meeting on February 24, 1960, the Board of Trustees approved the appointment of new members of the University of Illinois Citizens Committee for a period of three years beginning January 1, 1960. I now submit the following supplemental nominations for appointment to that Committee for the period ending December 31, 1962.

- **ROBERT A. BARNES**  
  State's Attorney  
  Lacon, Illinois

- **CASLON K. BENNETT**  
  Attorney  
  Marshall, Illinois

- **GUINNAR A. BENSON**  
  Principal, Sterling Junior High School  
  Sterling, Illinois

- **S. A. S. BLANE**  
  Attorney  
  Peoria, Illinois

- **CHARLES BLISS**  
  Hershey and Bliss, Attorneys  
  105a Main Cross Street  
  Taylorville, Illinois

- **JOHN BULLINGTON**  
  Attorney  
  203A South Main Street  
  Hillsboro, Illinois

- **ROBERT J. BURROW**  
  General Manager, Newspaper  
  17 West North Street  
  Danville, Illinois

- **SENATOR MARVIN F. BURT**  
  1115 South Benson Boulevard  
  Freeport, Illinois

- **MARTIN J. CORDELL**  
  Attorney  
  107 South Fourth Street  
  Vandalia, Illinois

- **DUANE CULLINAN**  
  President, R. A. Cullinan and Sons  
  (Road Contractors)  
  1617 North Eighth Street  
  Pekin, Illinois

- **CHARLES C. DADANT**  
  Dadant and Sons (Manufacturers of Bee Supplies)  
  Hamilton, Illinois

- **DR. H. D. DANFORTH**  
  Dentist  
  Box 247  
  Cassia Park, Illinois

- **BERNARD M. DECKER**  
  Circuit Judge, Nineteenth Judicial District  
  Court House  
  Waukegan, Illinois

- **EDWIN A. DYSON**  
  Co-publisher, The Rushville Times  
  Rushville, Illinois

- **PHILIP O. FOLEY**  
  Lumber Manufacturer  
  Paris, Illinois
I also nominate Mr. Preston F. Grandon, Publisher of The Daily Gazette, Sterling, for appointment to the Executive Committee of the Citizens Committee to fill the vacancy created by the death of Mr. Volney B. Fowler, La Grange.

On motion of Mr. Swain, the appointments to the Committee and to the Executive Committee, as listed above, were approved.

The President also presented a report by Mr. George H. Bargh, Director of the Citizens Committee, of its activities during the academic year 1959-60. A copy of this report has been filed with the Secretary of the Board for record.

ADVISORY COMMITTEES FOR COLLEGE OF AGRICULTURE

(9) 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, 1960, for three-year terms, and I concur:

Agricultural Economics
ROBERT G. GOLDEN, Flora
JAMES HUMPHREY, Rural Route 1, Herrin

Agricultural Engineering
G. W. ENDICOTT, Ridgeview Farm, Villa Ridge
ALBERT MICHAEL, Odell

AGRONOMY
DELBERT SCHRADER, Red Oak
PAUL TROVILLION, Brownfield

ANIMAL SCIENCE
RALPH J. THOMAS, DeKalb Agricultural Association, Inc., Sycamore
AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

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

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

(10) 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>Aaron Dornick</td>
<td>Chicago</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Ronald Zadoc Domsky</td>
<td>Skokie</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>Anthony Albert Dreymala Drew</td>
<td>Chicago</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Richard Dean Evans</td>
<td>Davenport, Iowa</td>
<td>Nebraska</td>
</tr>
<tr>
<td>David Abraham Feldman</td>
<td>Milwaukee, Wisconsin</td>
<td>Wisconsin</td>
</tr>
<tr>
<td>Ralph Wesley Lacey</td>
<td>Chicago</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Seymour Mandler</td>
<td>Chicago</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Ronald Basil Stang</td>
<td>Evanston</td>
<td>District of Columbia</td>
</tr>
<tr>
<td>Julius George Szumilo</td>
<td>Chicago</td>
<td>District of Columbia</td>
</tr>
</tbody>
</table>

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

DISCONTINUATION OF DIVISION OF SPECIAL SERVICES FOR WAR VETERANS

(11) As authorized by the Board of Trustees, the Division of Special Services for War Veterans will be discontinued as of September 1, 1960. The University will, of course, carry out its obligations to nineteen students still enrolled in the Division who have not yet graduated.

Mr. Frank A. Bridgewater, who has been serving as Director of the Division since 1951 (prior thereto he was Assistant Director), has been appointed Assistant to the Dean of Admissions and Records effective September 1, 1960, and in this new position he will continue to administer the programs of the students remaining in the Division until they have completed requirements for degrees.

This is being reported for record and confirmation.

On motion of Mr. Harewood, this action was confirmed.

On motion of Mrs. Watkins, the Secretary was requested to express to Mr. Bridgewater the Board’s appreciation of his services as Director of the Division.

DEPARTMENT OF SPEECH AND THEATRE

(12) On request of the Department of Speech, concurred in by the Executive Committee and the Dean of the College of Liberal Arts and Sciences, I have approved a change in the name of the Department to “Department of Speech and Theatre,” effective September 1, 1960.
This implies no change in administration but only that the titles of some of the staff will be changed.

On motion of Mr. Swain, this change was approved.

CHANGES IN NAMES OF DEPARTMENTS IN COLLEGE OF DENTISTRY

(13) The Dean of the College of Dentistry, with the concurrence of the Acting Vice-President in charge of the Chicago Professional Colleges, recommends changes in departmental names, effective September 1, 1960, as follows: Department of Crowns and Fixed Partial Dentures to Department of Fixed Partial Prosthodontics; Department of Full and Removable Partial Dentures to Department of Prosthodontics; Admitting Clinic to Patient Admissions; and Department of Postgraduate Studies to Department of Postgraduate Education.

These changes are consistent with current nomenclature recommended by the American Dental Association and in use in a majority of dental colleges in the United States and Canada. Conformity makes communication with the various universities more effective and precludes the need of explanations.

I concur.

On motion of Mrs. Watkins, these changes were approved.

EXTENSION OF COUNTY SCHOLARSHIPS

(14) The Board of Trustees has previously authorized additional University tuition scholarships, supplementing County Scholarships in the larger counties, to be awarded on the basis of one scholarship for each 50,000 population or fraction thereof, based on the 1950 census. The 1960 census shows a number of counties with increased populations so that an increase in the number of these scholarships is in order.

Accordingly, on recommendation of the Committee on Undergraduate Scholarships, I have authorized an increase in the number of University scholarships supplementing County Scholarships as follows: Cook County, from 90 to 109; DeKalb County, from 1 to 2; DuPage County, from 4 to 7; Kane County, from 4 to 7; Lake County, from 4 to 6; Macon County, from 2 to 3; Madison County, from 4 to 5; St. Clair County, from 5 to 6; Whiteside County, from 1 to 2; Will County, from 3 to 4; Winnebago County, from 4 to 5.

This is consistent with the formula adopted by the Board and I report it for record, requesting confirmation of my action.

On motion of Mr. Wilkins, the President’s action was confirmed.

TUITION AND FEE WAIVERS IN THE GRADUATE COLLEGE

(15) The Board of Trustees has previously authorized 450 tuition and fee waivers a year to be awarded to graduate students.

The Dean of the Graduate College originally requested 500 but this allotment was reduced to 450. It is clear now that the allocation of 500 originally requested is required to meet all of the legitimate needs of the Graduate College. However, this will not result in an increased cost to the University, because the additional tuition and fee waivers will be offset by a reduction in the number of staff members eligible for exemption from tuition fees under the new rules adopted by the Board at the time the tuition and fee waivers were authorized.

I recommend authorization of the additional fifty tuition and fee waivers for graduate students.

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

FLIGHT-TRAINING FEE

(16) The Director of the Institute of Aviation and the Committee on Fees recommend an increase in the flight-training fee from $300 to $325 each semester. The flight-training program was set up as self-supporting, and the increase is necessary to cover the increased costs of instructional operations.

I concur.

On motion of Mr. Johnston, this change in fee was authorized.
ADMISSION OF UNDERGRADUATE STUDENTS ENTERING DIRECTLY FROM HIGH SCHOOL

(17) The University Senate recommends that the present requirements for admission of undergraduate students entering the University from high school, and who are residents of Illinois, be amended to read:

Residents of Illinois. A graduate of an accredited high school who is a resident of Illinois, whose rank in scholarship is in the lowest quarter of his graduating class (applicable to those seeking admission in the fall of 1961 or thereafter), or in the lower half (applicable to those seeking admission in the fall of 1963 or thereafter), and who is otherwise qualified for admission, will be admitted to the University upon presentation of either of the following evidences of ability to do satisfactory work at the University:

Obtaining a passing score on a test, or tests, as prescribed by the All-University Committee on Admissions. The Committee may set separate passing scores for students in the third quarter and in the fourth quarter of their high school classes, and shall set passing scores such that a student admitted to the University by this means will have approximately one out of four chances, or better, of being on clear status at the end of the first semester of his college work.

Presenting evidence of having attempted twelve or more semester hours of work at another college or university of recognized standing, and meeting the regular University requirements for admission as a transfer student.

Or by applying for admission to a session which begins at least twelve months after the applicant's graduation from high school, provided that (a) in this twelve-month period he has not attempted as much as twelve semester hours of work at another college or university of recognized standing, and (b) that he meets all other University requirements for admission that are applicable to him, except that he shall not be required to take the test, or tests, prescribed above.

The student's rank is to be based on work completed in grades nine, ten, eleven, and the first half of twelve in the case of four-year high schools, and on work completed in grades ten, eleven, and the first half of twelve in the case of three-year senior high schools.

I concur.

Mr. Wilkins suggested that the term "recognized high school" be substituted for the term "accredited high school" in the text (first sentence).

On motion of Mr. Harewood, the revision of the requirements as proposed by the Senate, with the change suggested by Mr. Wilkins, was approved.

PROGRESSIVE ADMISSION OF UNDERGRADUATE STUDENTS

(18) Because available facilities are inadequate to provide for all qualified applicants for admission to the undergraduate colleges and institutes at the University of Illinois, and in order to utilize the University's capacities most effectively, the University Senate recommends that the Dean of Admissions and Records be authorized to issue permits to enter the undergraduate colleges and institutes at Urbana and at the Chicago Undergraduate Division in accordance with the procedures outlined below, effective beginning with applicants for admission in September, 1961.

Priorities for Action on Applications for Admissions to the Fall Semester

Period I, through March 31

1. New freshmen who are residents of Illinois and who rank in the highest 25 per cent of their high school class.
2. New freshmen who are nonresidents of Illinois and who rank in the highest 15 per cent of their high school class.
3. Transfer students who are residents of Illinois with not less than a 3.75 average in their college work in terms of the grading system of the University of Illinois.
4. Transfer students who are nonresidents of Illinois with not less than a 4.0 average in their college work in terms of the grading system of the University of Illinois.

**Period II, from April 1 through April 30**
1. New freshmen who are residents of Illinois and who rank in the highest 50 per cent of their high school class.
2. New freshmen who are nonresidents of Illinois and who rank in the highest 25 per cent of their high school class.
3. Transfer students who are residents of Illinois with not less than a 3.5 average in their college work in terms of the grading system of the University of Illinois.
4. Transfer students who are nonresidents of Illinois with not less than a 3.75 average in their college work in terms of the grading system of the University of Illinois.

**Period III, after April 30**
All applicants, new freshmen and transfers, who meet all requirements for admission to the University.

**Use of Test Scores in Lieu of Rank in Class**
Wherever rank in high school class is referred to above as a basis for establishing priority of admissions, an applicant may offer evidence of scholastic ability in the form of test scores in lieu of rank in class. The All-University Committee on Admissions is authorized to designate a test, or tests, and scores equivalent to different ranks in high school classes, that are acceptable for this purpose. Offering of test scores as evidence in lieu of rank in class will be optional with the student applying for September, 1961. The University will require an admission test for all students applying for September, 1962, and thereafter.

**Priorities within Periods I, II, and III**
Within each of the three periods, the Office of Admissions and Records is authorized to give priority, so far as administratively feasible, to the best qualified applicants as indicated by (a) rank in high school class, (b) scores on a scholastic aptitude test, or tests, and (c) any other available information. A similar system of priorities may be established for the spring semester.

I concur.

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

**COLLEGE OF ENGINEERING HONORS AT GRADUATION**
(19) The faculty of the College of Engineering has recommended, and the Urbana Senate has approved, modifications in the Honors at Graduation program of the College. Submitted herewith is a statement giving the details of these changes as approved by the Urbana Senate; a copy is being filed with the Secretary of the Board for record.

I recommend approval.

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

**GRADUATE PROGRAM IN MARKETING**
(20) The Urbana-Champaign Senate recommends authorization of a graduate program leading to the degree of Doctor of Philosophy in Marketing. This program has been approved by the Executive Committee of the Graduate College. Its objectives are to meet the need for trained teachers in the field of marketing in this country and abroad, and to provide scientifically trained personnel for market research departments and agencies.

Requirements for admission and for the degree are as follows:

**Admission Requirements.** The applicant must have a grade-point average of 3.75 for the last sixty hours of work. It is understood that applicants with averages between 3.5 and 3.74 may be admitted on recommendation of the department. The applicant also must have at least twenty hours of undergraduate work in business subjects with a minimum of six hours of marketing.

**Degree Requirements.** Candidates for degree must fulfill all the general requirements of the Graduate College, including residence, languages, the pre-
The preliminatory examination, the dissertation, and the final examination. The work in minor fields will consist of not less than four units. The preliminatory examination must demonstrate a comprehensive knowledge of marketing, an understanding of economic theory and its relationship to marketing, and an acquaintance with the subject matter and bibliography of the various areas of marketing.

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

I recommend approval.

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

GRADUATE DEGREE IN ANIMAL NUTRITION

(21) Two graduate programs leading to the degrees of Doctor of Philosophy in Animal Science and Doctor of Philosophy in Animal Nutrition are now offered by the Department of Animal Science. To eliminate the confusion which exists relative to the two degrees, the Department, the Graduate College, and the Urbana-Champaign Senate recommend that the degree of Doctor of Philosophy in Animal Nutrition be discontinued. This is a change in nomenclature and implies no change in course content or degree requirements. Students interested in animal nutrition will continue to take the same courses as before and to do research in this area but will receive the degree of Doctor of Philosophy in Animal Science. This change will not affect students currently enrolled in the program but will apply to all new students enrolling after September 1, 1960.

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

I concur.

On motion of Mr. Hughes, this change was approved.

MAJOR IN AGRICULTURAL COMMUNICATIONS

(22) The Urbana-Champaign Senate recommends authorization of a new major in agricultural communications in the existing curriculum in General Agriculture. The major, approved by the faculty of the College of Agriculture and developed in cooperation with the College of Journalism and Communications, will provide training for students interested in the farm newspaper or magazine field, farm radio and television, advertising, agricultural public relations, agricultural college and United States Department of Agriculture editorial work, and other positions requiring education in both agriculture and communications.

The major follows the same basic pattern as other majors in the General Agriculture curriculum with a basic core program being followed during the freshman and sophomore years. As in other majors, the student must complete a minimum of fifty hours of agriculture and twelve hours of humanities and social science (in addition to Economics 108 and Speech 101). He must also complete twenty hours in one of the journalism and communications options as provided.

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

I concur.

On motion of Mr. Hughes, this program was authorized.

CHANGES IN CURRICULUM IN PHYSICAL EDUCATION FOR MEN

(23) The Urbana-Champaign Senate recommends revisions in the curriculum in Physical Education for Men, the major changes being:

Elimination of a specified minor in favor of a minor determined through advisement.

Providing for a minor in health education, and certification in safety and driver education, by careful use of elective hours.

Rearrangement of several courses.

Requiring Physical Education for Men 271, Organization of Sports Programs, in the senior year.

Changing Physical Education for Men 209, History of Sports, from a two-hour to a three-hour course and requiring it in the sophomore year as a substitute for Recreation 174, Camp Counseling.
Adding a new requirement, Physiology 350, Physiology of Human Activity, in the senior year, to be developed and taught by the Department of Physiology. Increasing the total number hours required for graduation from 130 to 132.

Submitted herewith are the details of this new curriculum, 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 concur.

On motion of Mr. Swain, these changes in the curriculum were approved.

MATERIALS RESEARCH CENTER

(24) In 1956 a proposal was made to the Atomic Energy Commission for the construction at the University of a laboratory for materials research. This proposal, providing for the construction of a building at an estimated cost of $3,600,000 and equipment estimated to cost $2,000,000, was included in a bill passed by the United States Congress. Under consideration is an appropriation of $1,500,000 for the preparation of plans and specifications for such buildings at the University of Illinois and at the University of Notre Dame. While there is no division of the amount between the two, on the basis of the estimated cost, approximately $1,000,000 would be made available to the University of Illinois for plans and specifications. No appropriation has been made, however, for the building.

Under such a program, the Atomic Energy Commission would lease from the University the land on which the building is to be built, and would contract with the University for the preparation of plans and construction of the building. The lease of the land would be for an estimated period of time but would be in excess of sixty years. The University would be consulted in the preparation of plans and in the construction of the building but final responsibility would be with the United States Government. Upon completion of the building the government would contract with the University for its use and occupancy.

I recommend that the Vice-President and Comptroller be authorized to negotiate with the United States Government on this project provided that final contractual arrangements will be presented to the Board of Trustees for approval before execution of any documents.

On motion of Mrs. Watkins, this recommendation was approved, and authority was given as requested.

APPLICATION TO HOUSING AND HOME FINANCE AGENCY FOR LOAN TO FINANCE CONSTRUCTION OF WOMEN’S RESIDENCE HALLS

(25) A preliminary application was filed under date of June 30, 1960, with the Housing and Home Finance Agency for a loan of $5,000,000 to assist in the financing of women's residence halls to be constructed at Lincoln and Pennsylvania Avenues south of the Illini Grove. These halls will provide housing for 1,044 undergraduate women. The total project cost is estimated at $5,750,000. The preliminary design of the buildings has been approved by the Committee on Buildings and Grounds of the Board of Trustees.

It is recommended that the Board authorize the following:

The submission of a complete application to the Housing and Home Finance Agency if federal funds become available;

The employment of Chapman and Cutler as counsel for the bond issue;

The taking of bids for the construction of the buildings and for the sale of the bonds at such times as are determined most appropriate by the Vice-President and Comptroller;

The Comptroller and the Secretary of the Board execute a loan agreement with the Housing and Home Finance Agency;

Any and all other necessary steps and formalities in connection with the bond issue and the sale of the bonds.

I concur.

On motion of Mr. Swain, this recommendation was approved, and authority was given as requested.
DESIGNATION OF CONTINENTAL ILLINOIS NATIONAL BANK
AND TRUST COMPANY AS DEPOSITORY OF PROCEEDS
OF HOUSING REVENUE BONDS OF 1960

(26) On June 14, 1960, the Board authorized the deposit of the proceeds of the Housing Revenue Bonds of 1960 in a construction account in the Continental Illinois National Bank and Trust Company of Chicago. The Bank has requested that a formal resolution be adopted as follows:

Resolution

Be It Resolved, That the Continental Illinois National Bank and Trust Company of Chicago be and hereby is designated a depositary in which construction funds of this corporation may be deposited by its officers, agents, and employees and that the Comptroller, or any other officer of this corporation, and hereby is authorized to open and maintain an account or accounts with said Bank and to endorse and deposit with said Bank negotiable instruments and orders for the payment of money which endorsements may be made in writing or by a stamp and without designation of the person endorsing, and it being understood and agreed that on all such items deposited, all prior endorsements are guaranteed by this corporation whether or not express guaranty is incorporated in such endorsements.

And Be It Further Resolved, That the Continental Illinois National Bank and Trust Company of Chicago as a designated depositary of this corporation be and it 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 signature(s) of the President and Secretary, and Continental Illinois National Bank and Trust Company of Chicago 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 signatures thereon may have been affixed thereto, if such facsimile signatures resemble the facsimile specimens duly certified to or filed with the Continental Illinois National Bank and Trust Company of Chicago by the Secretary or other officer of this corporation.

The Vice-President and Comptroller recommends adoption of this resolution. I concur.

On motion of Mr. Swain, the foregoing resolution was adopted.

BICYCLE REGULATIONS AND APPROPRIATION FOR PARKING LOTS

(27) A faculty Committee on Bicycle Control and Pedestrian Traffic, appointed by Vice-President and Provost Gordon N. Ray in January, 1960, has completed a study of the problems created by the increasing number of bicycles on the campus and has made recommendations with respect to these and related problems.

The Committee recommends adoption of a code of regulations for the registration, operation, and parking of bicycles on the campus for the safety of pedestrians and operators. I have approved these regulations, a copy of which is being filed with the Secretary of the Board for record.

No registration fee will be required but the regulations provide for fines for violations, similar to fines for violations of other campus regulations. Fines collected will be turned over to the Student Senate for its operating expenses and for scholarships.

I recommend that an appropriation of $14,000 be made from the General Reserve Fund for the construction of five new bicycle parking areas and an addition of $1,250 to the operating budget of the Security Office for the cost of registration and enforcement.

On motion of Mr. Johnston, the report of the President's action was received for record, and the appropriations requested were made by the following vote: Aye, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.
APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(28) The Vice-President and Provost and the Vice-President and Comptroller recommend assignments of funds from the University's General Reserve, and from funds available in the state capital appropriations to the University for 1959-61 for remodeling, for the following:

1. Housing Division, expansion of educational programming in residence halls ........................................... $ 11,175.00
   Improvement in lighting of dining room and installation of shelving to serve as library .............. $3,375.00
   Wages for student assistants ...................................... 1,200.00
   Books ....................................................................... 5,000.00
   Art exhibits ................................................................ 1,600.00
2. President's Office, acoustical tile on ceilings, painting, and floor covering ........................................ 3,305.00
3. Storage building at Armory Avenue and the Illinois Central Railroad tracks, remodeling for use by the Central Receiving Station and the Office Supply Store .......................................................... 75,000.00
4. Chicago Undergraduate Division
   Air conditioning Office of Admissions and Records ............................................................................. 4,480.00
   Remodeling and rehabilitation of Room 18 ......................................................................................... 1,820.00
5. Remodeling Quonset huts to be vacated by Central Receiving Station for Highway Test Tract and Steel Storage Project for Department of Civil Engineering .......................................................... 30,000.00
6. Transportation Building, partitioning room to make office for assistants in General Engineering .................................................. 2,820.00
7. Administration Building, remodeling to provide additional office space for the Graduate College and the Admissions and Records Office .......................................................... 3,375.00
8. Altgeld Hall, remodeling Room 314 for Department of Mathematics .................................................. 6,350.00
9. Lincoln Hall, remodeling six rooms and museum space ................................................................. 14,285.00
10. Lincoln Hall, remodeling in the basement to provide laboratory space for Departments of Psychology and Anthropology ........................................ 5,490.00
11. 605 South Goodwin Avenue, remodeling and equipment for Office of Nonacademic Personnel .................................................. 7,000.00
12. Department of Physiology, equipment for teaching laboratories to provide for increase in enrollment and to implement a curricular change .................................................. 6,475.00
13. Student Rehabilitation Center, purchase of a specially equipped bus for transportation of physically handicapped students to and from classes .................................................. 10,650.00
14. Department of Zoology, construction of low-cost building to serve as overflow laboratory or office space .................................................. 11,000.00
15. Business Office, purchase of microfilm camera for Auditing Division's records ...................................... 2,000.00

Total ........................................................................ $195,225.80

I concur.

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

CONTRACT FOR VETERINARY RESEARCH FARM ISOLATION UNIT

(29) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $7,218,87 to Dean Evans Company, Champaign, the lowest bidder, for the construction of the second isolation unit for the Veterinary Research Farm. Funds are available in a grant from the Moorman Manufacturing Company for this project.

I concur.

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

**CONTRACT FOR NEW ROOF AND GUTTERS ON SMITH MUSIC HALL**

(30) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $14,971 to Industrial Roofing Contractors, Mattoon, the lowest bidder, for a new roof and gutters on Smith Music Hall. Funds are available in the budget of the Physical Plant Department for this improvement.

I concur.

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

**CONTRACTS FOR LANDSCAPING AND PLANTING OF FINE AND APPLIED ARTS BUILDING AND CENTRAL FOOD STORES AREAS**

(31) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts to the Twin City Nursery and Landscape Service, Urbana, the lowest bidder, for landscaping and planting the following areas:

- Fine and Applied Arts Building and Krannert Art Museum $14,736.94
- Central Food Stores Building $437.49

Funds are available in the state capital appropriations for 1959-61 for the Fine and Applied Arts Building area and in the construction account for the Central Food Stores Building.

I concur.

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

**CONTRACTS FOR LAUNDRY BUILDINGS TO SERVE HOUSING AREAS**

(32) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for the construction of two laundry buildings to serve the Orchard Place and Orchard Downs Apartments in the area south of Florida Avenue and east of Orchard Street extended, the award in each case being to the lowest bidder.

- General — C. A. Petry and Sons, Champaign $38,490.00
- Electrical — Neal Morton Electric, Champaign 4,492.00
- Plumbing — Reliable Plumbing and Heating Company, Champaign 32,527.00
- Heating — F. R. Inskip Company, Champaign 3,792.00
- Ventilating — F. R. Inskip Company, Champaign 3,080.00

Funds are available in the construction account for the Orchard Downs Apartments.

Submitted herewith is a report from the Physical Plant Department listing 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. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton.

**CONTRACT FOR ELECTRICAL DISTRIBUTION SYSTEM IN DENTISTRY-MEDICINE-PHARMACY BUILDING**

(33) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for $82,940 to Divane Brothers Electric Company, 3826 West Van Buren Street, Chicago, Illinois, the lowest bidder, for improvements in the present inadequate electrical distribution system in the first unit of the Dentistry-Medicine-Pharmacy Building.
This is part of the first phase of the installation of a new 12,000-volt service for the Dentistry-Medicine-Pharmacy Buildings and some areas of the Research and Educational Hospitals. The installation will replace the present overloaded and unreliable 4,000-volt service and the first phase of the work will provide additional electrical capacity in an area seriously deficient now and will establish the primary 12,000-volt service and transformer vault for the ultimate project.

Bids were taken on a base bid and eight additive alternates in order to have as much of the work done as funds would permit. The contract here recommended will provide for equipping the 12,000-volt vault and supplying adequate electrical service to the basement, first, second, and third floors of the first unit of the Dentistry-Medicine-Pharmacy Building.

Funds are available in the state capital appropriations to the University for 1959-61.

I concur.

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

CONTRACTS FOR STORM AND SANITARY SEWER CONSTRUCTION AND EXTENSION OF WATER MAIN TO SERVE ASSEMBLY HALL

(34) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts to the lowest bidders as follows:

Construction of Southwest Campus Storm Sewer, Temporary Outlet, and First Street Sanitary Sewer — Illiana Construction Company, Urbana $57,500

Construction of First Street Water Main Extension — Cross Construction Company, Urbana 14,297

Funds are available in the Physical Plant Department budget.

I concur.

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

CHANGE IN CONTRACT FOR INSTALLATION OF SEATING IN ASSEMBLY HALL

(35) The Board of Trustees has authorized a contract with the American Seating Company of New York, the lowest bidder, for the installation of permanent seating in the Assembly Hall on the basis of $253,300 for 17,000 stadium-type seats with the University having the option of increasing or decreasing the number on the basis of unit cost, and with alternates providing for the addition of arms and upholstered seats and backs in the theater quadrant.

On the advice of the architect for the building, the Director of the Physical Plant and the Vice-President and Comptroller recommend a change in the contract to provide for a 20½ inch minimum space per seat in the theater quadrant and the installation of upholstered seats with backs and arms in this area; and 19½ inch minimum space per seat in the balance of the area. This will provide a good standard of comfort but will reduce the permanent seating from 16,800 to 15,902 (4,142 in the theater quadrant and 11,760 in the rest of the area). The additional cost will be $21,575.

A supporting statement from the Physical Plant Department is submitted herewith and a copy is being filed with the Secretary of the Board for record.

I concur.

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

UNIVERSITY FUNDS REQUIRED FOR IMPROVEMENT OF GREEN STREET IN URBANA

(36) The Board of Trustees has authorized an agreement with the city of Urbana providing for the payment by the University of its share of the cost of the widening and repaving of Green Street from Wright Street to Lincoln Avenue.
Engineers have now completed a field check and have reviewed plans and specifications, and the factors used in the preliminary estimates of the cost of the project. The revised estimate now is $471,285 of which the University's share will be $336,028, as compared with preliminary estimates of $418,800 and $298,293, respectively.

Under the terms of the agreement the payment required by the University during the present biennium is $141,500. Funds are available in the state capital appropriations to the University for 1959-61, subject to release by the Governor.

This report was received for record.

**NATIONAL SCIENCE FOUNDATION GRANTS**

(37) The National Science Foundation has made the following grants to the University for capital improvements:
- Construction of research buildings at the Betatron Laboratory $27,300
- Remodeling program for Physical Chemistry $50,000
- Modernization and expansion of graduate research laboratories in Civil Engineering $17,800
- Remodeling biochemistry and anatomy research laboratories at the Chicago Professional Colleges $17,300

In each case the grant has been made with the express understanding that the funds will be matched by the University from nonfederal sources, to the extent of at least 50 per cent of the direct costs. Matching funds to be supplied by the University are available for these projects.

This report was received for record.

**GRANT FROM AMERICAN CHEMICAL SOCIETY**

(38) Professor Harry G. Drickamer of the Department of Chemistry and Chemical Engineering has been selected by the American Chemical Society to receive the Petroleum Research Fund Award for 1960 in the form of an unrestricted grant of $50,000 to the University for his research work in the field of petroleum. This grant has been accepted with an expression of appreciation on behalf of the Board of Trustees. It is reported now instead of being held for inclusion in the next annual report of gifts and grants because of the special distinction attached to the award.

This report was received for record.

**CONTRIBUTIONS FOR ELECTRICAL ENGINEERING BUILDING**

(39) Building needs in the College of Engineering are particularly acute and, except for the completion of the Physics Building, the addition to the Electrical Engineering Building is the College's greatest need. The portion of the Electrical Engineering Building which was completed eleven years ago provides only one-third the space requested in 1945 when there was a staff of 20 and an undergraduate student body of some 400. The Department now has 91 full-time faculty, 1,146 undergraduate students, 222 graduate students, and 79 nonacademic staff members. To include the addition to the Electrical Engineering Building in the top priority group in the 1961-63 biennium, funds must be provided now for planning and working drawings in order that the building can be completed within the biennium for which funds are received. The Dean of the College of Engineering has been authorized to seek contributions from a limited number of leading engineering alumni in order that the working drawings, estimated to cost $63,000, can be completed during the next year.

This report was received for record.

**PURCHASES**

**Purchases Authorized**

(40) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller.

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One spectrophotometer with photomultiplier and ultraviolet accessory</td>
<td>Chemistry and Chemical Engineering</td>
<td>E. H. Sargent &amp; Co., Chicago</td>
<td>$2,743.00</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>Cobalt teletherapy unit and accessories with capacity for loading up to 225 curies of Cobalt 60</td>
<td>Veterinary Medicine</td>
<td>The Dick X-Ray Co., St. Louis, Mo.</td>
<td>$15,000.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One lot replacement and accessory parts for the &quot;Ease&quot; Analog Computer, model 1032</td>
<td>International Cooperation Administration Contracts</td>
<td>Beckman Instruments, Berkeley Division, Irvine, Calif.</td>
<td>2,737.87 f.o.b. Port of Embarkation</td>
</tr>
<tr>
<td>Three Lyon electric-glass incubators</td>
<td>International Cooperation Administration Contracts</td>
<td>U. S. Department of Commerce 6E Office of International Trade Fair, New Delhi, India</td>
<td>3,587.51 f.o.b.</td>
</tr>
<tr>
<td>One John Deere plow, three furrow</td>
<td>International Cooperation Administration Contracts</td>
<td>E. H. Sargent &amp; Co., Chicago, Ill.</td>
<td>3,316.00 f.o.b. New York, N.Y.</td>
</tr>
<tr>
<td>Two Union Carbide gas cylinders</td>
<td>International Cooperation Administration Contracts</td>
<td>E. H. Sargent &amp; Co., Chicago, Ill.</td>
<td>3,790.00 f.o.b. New York, N.Y.</td>
</tr>
<tr>
<td>Four constant temperature baths, rectangular, electric</td>
<td>International Cooperation Administration Contracts</td>
<td>E. H. Sargent &amp; Co., Chicago, Ill.</td>
<td>4,517.00 f.o.b. Chicago</td>
</tr>
<tr>
<td>Four constant temperature ovens, 180°</td>
<td>International Cooperation Administration Contracts</td>
<td>E. H. Sargent &amp; Co., Chicago, Ill.</td>
<td>4,580.50 f.o.b. Chicago</td>
</tr>
<tr>
<td>Three constant temperature baths, circular, electric</td>
<td>International Cooperation Administration Contracts</td>
<td>E. H. Sargent &amp; Co., Chicago, Ill.</td>
<td>10,585.00 f.o.b. Urbana</td>
</tr>
<tr>
<td>Two autoclaves, sterilizer, horizontal, electric 220-230 volts, 50-cycle</td>
<td>International Cooperation Administration Contracts</td>
<td>E. H. Sargent &amp; Co., Chicago, Ill.</td>
<td>4,008.35 f.o.b. Chicago</td>
</tr>
<tr>
<td>Dormitory furniture for Hospital Resident Staff (16 suites)</td>
<td>Research and Educational Hospitals</td>
<td>Gilbert A. Force Co., Chicago</td>
<td>4,613.60 net delivered</td>
</tr>
<tr>
<td>Laboratory furniture as follows:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two center benches</td>
<td>Botany</td>
<td>E. H. Sheldon Equipment Co., St. Louis, Mo.</td>
<td>4,590.50 f.o.b. Urbana</td>
</tr>
<tr>
<td>Two service rack assemblies</td>
<td>Botany</td>
<td>The Electric Hotpack Co., Inc., Philadelphia, Pa.</td>
<td>10,585.00 f.o.b. Urbana</td>
</tr>
<tr>
<td>Four base cabinets</td>
<td>Botany</td>
<td>E. H. Sheldon Equipment Co., St. Louis, Mo.</td>
<td>4,008.35 f.o.b. Chicago</td>
</tr>
<tr>
<td>Five upper cabinets</td>
<td>Laboratory and Chemical Engineering</td>
<td>E. H. Sheldon Equipment Co., Muskegon, Mich.</td>
<td>10,566.30 f.o.b. delivered</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 the lowest acceptable bid.

**Urbana-Champaign Departments**

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Offner type 492 six-channel differential data amplifier system consisting of three type 492 dual-channel amplifiers, one 392 power supply, and one BM492/8 bin mounting plus blank panels</td>
<td>Aeronautical Engineering</td>
<td>Offner Electronics, c/o Pivan Engineering Co., Chicago</td>
<td>$2,845.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One multichannel dual purpose amplifier system consisting of: Four carrier amplifiers One four-channel case One oscillator power supply One shockmount base One complete set cables One carrier voltage reducer One dynamic reference trace One adapter Three dummy galvanometers Three pressure pickups</td>
<td>Aeronautical Engineering</td>
<td>Consolidated Electrodynamics Corp., Chicago</td>
<td>4,517.00 f.o.b. delivered</td>
</tr>
<tr>
<td>One lot of unitized laboratory furniture</td>
<td>Botany</td>
<td>E. H. Sheldon Equipment Co., St. Louis, Mo.</td>
<td>4,590.50 f.o.b. Urbana</td>
</tr>
<tr>
<td>One plant growth chamber, 48 in. x 96 in. x 84 in. with lights and controls, 115-volt, 60-cycle</td>
<td>Botany</td>
<td>The Electric Hotpack Co., Inc., Philadelphia, Pa.</td>
<td>10,585.00 f.o.b. Urbana</td>
</tr>
<tr>
<td>One cold room, walk-in, laboratory model, 72 in. x 96 in. x 84 in. complete with refrigeration equipment and controls, 115-volt, 60-cycle</td>
<td>Botany</td>
<td>E. H. Sheldon Equipment Co., St. Louis, Mo.</td>
<td>4,008.35 f.o.b. Chicago</td>
</tr>
<tr>
<td>One lot laboratory equipment and supplies, including a laboratory centrifuge, refrigerated type and accessories, shakers, stirrers, hot plates, and accessory glassware</td>
<td>Laboratory and Chemical Engineering</td>
<td>E. H. Sheldon Equipment Co., Muskegon, Mich.</td>
<td>10,566.30 f.o.b. delivered</td>
</tr>
</tbody>
</table>
1960 [UNIVERSITY OF ILLINOIS 19

<table>
<thead>
<tr>
<th>Item</th>
<th>Department</th>
<th>Vendor</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>One lot of laboratory furniture (a complete list of the items included in this order was available at the Board meeting)</td>
<td>Chemistry and Chemical Engineering</td>
<td>Walrus Manufacturing Co., Decatur, Ill.</td>
<td>f.o.b. Urbana</td>
</tr>
<tr>
<td>One X-ray counting system consisting of one each Hamner N-730 linear count rate meter, N-401 regulated high voltage power supply, N-302 amplifier, N-903 crystal controlled electronic printing timer, N-276 high-speed printing scaler, SX-4 preamplifier, SX-2 preamplifier, and cabinet with blower-filter system, isolation transformer, circuit breakers, and interconnected wiring</td>
<td>Chemistry and Chemical Engineering</td>
<td>Hamner Electronics Co., Inc., Princeton, N.J.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One set preparative columns and accessories for Beckman amino acid analyzer</td>
<td>Chemistry and Chemical Engineering</td>
<td>Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One centrifuge, automatic superspeed refrigerated, complete with 34° type SS-34 (8-50 ml tube) rotor, suitable for batch and continuous flow separations, range 5° F. to 104° F., S.S. chamber, + 1° C control, 115 V.H.P. compression, to run 12 to 16 hours per day</td>
<td>Chemistry and Chemical Engineering</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One high-speed large capacity rotor, six compartments for 250 ml bottles, with air tight cover</td>
<td>Chemistry and Chemical Engineering</td>
<td>Rudolph Instruments Engineering Co., Little Falls, N.J.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One specroptometer, automatic recording, range 200 to 700 m, sensitivity 0.001 angular degree, three plus minus rotation ranges 2°, 20°, and 200°, complete, 115-volt, 60-cycle</td>
<td>General Chemical Stores</td>
<td>The R. J. Brown Co., Decatur, Ill.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One spectrophotometer, automatic recording, range 200 to 700 m, sensitivity 0.001 angular degree, three plus minus rotation ranges 2°, 20°, and 200°, complete, 115-volt, 60-cycle</td>
<td>General Chemical Stores</td>
<td>Arthur S. LaPine &amp; Co., Chicago, Ill.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>84 drums, 54 gallons each, chemically pure acetone to be delivered at the rate of seven drums per month from September, 1960, through August, 1961</td>
<td>General Chemical Stores</td>
<td>Cincinnati Milling &amp; Grinding Machines, Berwyn, Ill.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One centrifuge, analytical, preparative precision model complete with optical, photography, refrigeration and control systems, electrical drive 2,000 to 60,000 RPM, and accessories</td>
<td>Coordinated Science Laboratory</td>
<td>RCA Industrial Tube Products, Lancaster, Pa.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One assembly for microspectrophotometer consisting of microscopic and photographic equipment</td>
<td>Digital Computer Laboratory</td>
<td>Transistor Electronic Corp., Wakefield, Mass.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One Ultra-High Vacuum System for Auger Experiment</td>
<td>General Chemical Stores</td>
<td>The R. J. Brown Co., Decatur, Ill.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One Lot laboratory glassware and apparatus</td>
<td>General Chemical Stores</td>
<td>The R. J. Brown Co., Decatur, Ill.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>Two 100-case standard laboratory glassware at established published fair-trade prices in effect at time of shipment</td>
<td>General Chemical Stores</td>
<td>The R. J. Brown Co., Decatur, Ill.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One Universal milling machine, 52 in. x 10 in. table complete with dividing head, enclosed driving mechanism, arbor support and arbor, side and rear feed controls, backlash eliminator, positive limit dog, and necessary motors and controls</td>
<td>Civil Engineering</td>
<td>Cincinnati Milling &amp; Grinding Machines, Berwyn, Ill.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One assembly for microspectrophotometer consisting of microscopic and photographic equipment</td>
<td>Digital Computer Laboratory</td>
<td>Transistor Electronic Corp., Wakefield, Mass.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>Transitron &quot;Stabistor&quot; voltage references (diodes):</td>
<td>Electrical Engineering</td>
<td>Bendix Computer Division, Bendix Corp., Chicago</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>500 type SY-141A</td>
<td>Electrical Engineering</td>
<td>General Electric Co., Lynchburg, Va.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>200 type SY-142A</td>
<td>Electrical Engineering</td>
<td>General Electric Co., Lynchburg, Va.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>1,100 type SY-144A</td>
<td>Electrical Engineering</td>
<td>General Electric Co., Lynchburg, Va.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>1,600 type SY-145A</td>
<td>Electrical Engineering</td>
<td>General Electric Co., Lynchburg, Va.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>Lease one digital computer for initial period of one year, with option of quarterly renewal thereafter</td>
<td>Microbiology</td>
<td>Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>Two General Electric modified RC-4 hybrid couplers to provide a voice input to existing station equipment from a remote location and two telegraph terminals, type RFL-99STR, with transmit and receive filters to protect the teleprinter termination unit from external voice frequencies</td>
<td>Electrical Engineering</td>
<td>Bendix Computer Division, Bendix Corp., Chicago</td>
<td>f.o.b. delivered</td>
</tr>
<tr>
<td>One ultracentrifuge, analytical, preparative precision model complete with optical, photography, refrigeration and control systems, electrical drive 2,000 to 60,000 RPM, and accessories</td>
<td>Microbiology</td>
<td>Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.</td>
<td>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>Auxiliary equipment and replacement parts for the modification of Arthur D. Little-Collins helium cryostat, Serial No. 18</td>
<td>Physics</td>
<td>Arthur D. Little, Inc., Cambridge, Mass.</td>
<td>$34 309.20</td>
</tr>
<tr>
<td>One Tektronix type 519 oscilloscope</td>
<td>Physics</td>
<td>Tektronix, Inc., Park Ridge</td>
<td>3 800.00</td>
</tr>
<tr>
<td>Rebuild and refurbish Model D Steinway grand piano</td>
<td>Music</td>
<td>Steinway &amp; Sons, Long Island City, N.Y.</td>
<td>7 972.00</td>
</tr>
<tr>
<td>One truck cab and chassis, 22,500 lbs. GVW, 171 in. wheelbase to replace vehicle No. 747, a 1944 International truck with livestock and grain bed</td>
<td>Dixon Springs</td>
<td>Hannagan’s Power Farm, Champaign</td>
<td>3 429.02</td>
</tr>
<tr>
<td>One centrifuge, refrigerated, automatic with six and eight place 50 ml tube heads, superspeed with facilities for continuous and batch attachments</td>
<td>Veterinary Medicine</td>
<td>Ivan Sorvall, Inc., Norwalk, Conn.</td>
<td>2 880.00</td>
</tr>
<tr>
<td>Scoring service for approximately 76,000 special answer sheets</td>
<td>Bureau of Educational Research</td>
<td>Measurement Research Center, Inc., Iowa City, Iowa</td>
<td>9 120.00</td>
</tr>
<tr>
<td>Laboratory furniture to refurbish the chemistry, physics, and biology classrooms and science lecture room</td>
<td>University High School</td>
<td>E. H. Sheldon Equipment Co., St. Louis, Mo.</td>
<td>27 183.00</td>
</tr>
<tr>
<td>Professional services required during the period July 1, 1960, through June 30, 1961, for development and production of weekly University of Illinois Market Buy Program, conducted in the Chicago area by the Extension Service in Agriculture and Home Economics; services consist of preparation of news copy and mats, mimeographing, mailing service, and clipping service</td>
<td>Extension Service in Agriculture and Home Economics</td>
<td>Newsography-95, Chicago</td>
<td>10 500.00</td>
</tr>
<tr>
<td>One Dage model 320B/V television camera</td>
<td>Instructional Television</td>
<td>Dage Television Division, Thompson-Ramo-Wooldridge, Inc., Michigan City, Ind.</td>
<td>4 553.70</td>
</tr>
<tr>
<td>One 735 portable camera control</td>
<td>Instructional Television</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One custom Image/77 zoom lens with close-up attachment</td>
<td>Instructional Television</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One Dage model 320B/V television camera</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One 735 portable camera control</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One custom Image/77 zoom lens with close-up attachment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49 films, 16 mm.</td>
<td>Audio-Visual Aids Service</td>
<td>International Film Bureau, Inc., Chicago</td>
<td>5 553.00</td>
</tr>
<tr>
<td>65 replacement prints, 16 mm., less allowance for return of damaged prints</td>
<td>Audio-Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>3 712.50</td>
</tr>
<tr>
<td>32 films, 16 mm.</td>
<td>Audio-Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>5 542.50</td>
</tr>
<tr>
<td>65 replacement prints of 16 mm. films, less allowance of return of 55 damaged films</td>
<td>Audio-Visual Aids Service</td>
<td>Encyclopaedia Britannica Films, Inc., Wilmette</td>
<td>5 148.75</td>
</tr>
<tr>
<td>80 films, 16 mm.</td>
<td>Audio-Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>7 990.00</td>
</tr>
<tr>
<td>Lease 13 films, 16 mm., for the life of each print up to six years from date of delivery</td>
<td>Audio-Visual Aids Service</td>
<td>Films, Inc., Wilmette</td>
<td>2 940.00</td>
</tr>
<tr>
<td>13 films, 16 mm., less trade-in of 35 damaged prints</td>
<td>Audio-Visual Aids Service</td>
<td>Encyclopaedia Britannica Films, Inc., Wilmette</td>
<td>4 800.00</td>
</tr>
<tr>
<td>Vocational Agriculture Service</td>
<td>Maginn Office Equipment Co., Champaign</td>
<td>2 225.00</td>
<td></td>
</tr>
<tr>
<td>49 films, 16 mm.</td>
<td>Audio-Visual Aids Service</td>
<td>International Film Bureau, Inc., Chicago</td>
<td>5 553.00</td>
</tr>
<tr>
<td>65 replacement prints, 16 mm., less allowance for return of damaged prints</td>
<td>Audio-Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>3 712.50</td>
</tr>
<tr>
<td>32 films, 16 mm.</td>
<td>Audio-Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>5 542.50</td>
</tr>
<tr>
<td>65 replacement prints of 16 mm. films, less allowance of return of 55 damaged films</td>
<td>Audio-Visual Aids Service</td>
<td>Encyclopaedia Britannica Films, Inc., Wilmette</td>
<td>5 148.75</td>
</tr>
<tr>
<td>80 films, 16 mm.</td>
<td>Audio-Visual Aids Service</td>
<td>Coronet Films, Chicago</td>
<td>7 990.00</td>
</tr>
<tr>
<td>Lease 13 films, 16 mm., for the life of each print up to six years from date of delivery</td>
<td>Audio-Visual Aids Service</td>
<td>Films, Inc., Wilmette</td>
<td>2 940.00</td>
</tr>
<tr>
<td>13 films, 16 mm., less trade-in of 35 damaged prints</td>
<td>Audio-Visual Aids Service</td>
<td>Encyclopaedia Britannica Films, Inc., Wilmette</td>
<td>4 800.00</td>
</tr>
<tr>
<td>Vocational Agriculture Service</td>
<td>Maginn Office Equipment Co., Champaign</td>
<td>2 225.00</td>
<td></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>800 reams 25 x 38, 70 lb.</td>
<td></td>
<td>800 reams 25 x 35, 58 lb.</td>
<td></td>
</tr>
<tr>
<td>275,000 brown kraft envelopes in various sizes and weights</td>
<td></td>
<td>75 cases (13,000 per case) napkins 12 in. x 13 in., paper</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>75 cases (7,500 per case) napkins 12 in. x 16¾ in., paper</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>825 study lamps and shades</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 20-in. gas ranges with thermostatically controlled ovens, automatic lighting-top burners, and 36-in. AGA approved flexible connectors</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 tons (approximately) pea size coke to be delivered directly to bins at various housing division locations during the 1960-61 heating season</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Laundry service for sheets and pillow cases for Men’s Residence Halls, for the period September 1, 1960, through June 30, 1961</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>78 dozen ladies uniforms</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nine dozen aprons</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>One school bus, 60-passenger, to replace vehicle No. 168, a 1947 Studebaker 40-passenger school bus</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pallet racks consisting of:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>72 uprights, 114 in. x 36 in.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>196 horizontal beams, 114 in. long</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>25 horizontal beams, 60 in. long</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 cross ties, 6 in. long</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Furnish and install 412 wall-hung book shelves for Student Residence Halls</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Services of engineer for inspection and supervision of overhaul of General Electric turbine-generator No. 109143 (Unit No. 5) at Abbott Power Plant beginning August 1, 1960</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Labor and materials to apply the following approximate quantities of asphalt road building materials on Florida Avenue between Fourth Street and Virginia Drive:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5,600 gallons MCO prime</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10,000 gallons MCS asphalt</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 tons ¾ in. cover aggregate</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 tons ¾ in. seal aggregate</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Labor and materials to apply the following approximate quantities of asphalt road building materials to eighteen different job sites on campus area: 12,500 gallons E4 road oil, 4,000 gallons E3 road oil, 6,500 gallons MCO prime, 16,000 gallons MCS asphalt, 160 tons ¾ in. cover aggregate, and 500 tons ¾ in. seal aggregate</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Plant</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Planning Office</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Walrus Manufacturing Co., Inc.</td>
<td>Decatur</td>
</tr>
<tr>
<td></td>
<td></td>
<td>f.o.b.</td>
<td>f.o.b.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>delivered</td>
<td>delivered</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 200 96</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>furnished and installed</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Plant</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Parro Construction Corp., Urbana</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>f.o.b.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>delivered</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 688 00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>job site</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 026 00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>job site</td>
<td></td>
</tr>
</tbody>
</table>
Item

Builder's risk insurance under a completed value form on an estimated $2,013,000 insurable cost of construction for 19 buildings known as the Orchard Downs Apartments; insurance to be carried for an estimated two years during the course of construction with a total premium for the two years estimated at $3,483.54 of which $1,825.99 will be payable the first year.

Department

Physical Plant

Vendor

Capen Insurance Agency, Bloomington, representing the Kansas City Fire & Marine Insurance Co.

Cost

$2,638.88

On motion of Mrs. Watkins, these purchases were authorized.

COMPROLLER'S REPORT OF CONTRACTS

(41) The Comptroller's report of contracts executed during the period June 1 to 30, 1960.

<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>Armour Pharmaceutical Co.</td>
<td>Pharmacological characterization of new drugs potentially useful in veterinary medicine</td>
<td>$6,640.00</td>
<td>June 15, 1960</td>
</tr>
<tr>
<td>Chicago and Commerce Exposition, Inc.</td>
<td>Use of certain facilities and areas at Navy Pier per day, June 4 to August 5, 1960</td>
<td>55.00</td>
<td>March 23, 1960</td>
</tr>
<tr>
<td>Gregory Industries, Inc.</td>
<td>Fatigue of members with welded studs</td>
<td>10,000.00</td>
<td>June 14, 1960</td>
</tr>
<tr>
<td>Hess &amp; Clark, Inc.</td>
<td>Effect of furazolidone (Nf-180) on the livability and growth of mink</td>
<td>6,600.00</td>
<td>June 28, 1960</td>
</tr>
<tr>
<td>Hilton Hotels Corp.</td>
<td>Use of certain facilities and areas at Navy Pier</td>
<td>Not more than 3,315.00</td>
<td>June 17, 1960</td>
</tr>
<tr>
<td>Purdue Research Foundation</td>
<td>Planning, conducting, and evaluating a midwest program on airborne television instruction</td>
<td>16,873.44</td>
<td>June 16, 1960</td>
</tr>
<tr>
<td>State of Illinois Cities and Villages Municipal Problems Commission</td>
<td>Analysis of and codification of the &quot;Revised Cities and Villages Act&quot;</td>
<td>38,000.00</td>
<td>May 23, 1960</td>
</tr>
<tr>
<td>State of Illinois Department of Agriculture</td>
<td>Pricing and trading practices for Illinois hogs</td>
<td>60,000.00</td>
<td>March 3, 1960</td>
</tr>
</tbody>
</table>
### Purpose
- Super conducting metals
- Mechanism of biologically catalyzed reactions and the metabolites and pathways in which they function
- Crystallization of lead titanate from glasses in the PbO-TiO₂-SiO₂-A1₂O₃ system
- Chemical nature of compounds influencing flavor changes in concentrated sterile milk
- Academic instruction of officer students
- Concept invention
- Ultrasound in biology and medicine

### Amount to be Paid to the University
- $70,760.00
- $12,500.00
- $20,000.00
- $24,988.00
- $3,150.00
- $12,000.00
- $5,700.00

### Effective Date
- September 1, 1960
- June 7, 1960
- June 7, 1960
- May 19, 1950
- July 1, 1960
- June 15, 1960
- June 15, 1960

### Purpose
- Exhibition of “Emerson’s New England” at Navy Pier, from November 10 to 30, 1960
- Exhibition of “Brasilia” at Navy Pier from March 1 to 20, 1961
- Exhibition of “The Seasons” at Navy Pier from May 1 to 31, 1961
- Services rendered in lieu of taxes (Wright Farms)
- Services rendered in lieu of taxes (Hackett Farm)
- Services rendered in lieu of taxes (Weber Farms)
- Services rendered in lieu of taxes (Hackett Farm)
- Services rendered in lieu of taxes (Allerton and Warren Farms)

### Leases
- Rental of farm machinery — two items: $48.57 and $725.99
- Rental of farm machinery — seven items: $59.99 to $1,220.36
- Rental of farm machinery — four items: $48.00 to $307.00

### Contract Changes
- Preliminary archaeological site examination, stage 2
- Psychosomatic differentiation in infancy
- Exploring the psychological factors in psychosomatic diseases of children
- Conduction of electricity in solids
- Problems relating to the synthesis of one and two terminal-junction networks
- Reactions of nitrogen II oxide
- Superconductive metals
- Launcher dynamics and rocket launcher design
- Context effects in psychophysical judgments

### Amount to be Paid to the University
- $800.00
- $1,500.00
- $11,146.00
- $50,000.00
- $12,150.00
- $8,564.00
- $3,000.00
- $44,977.31
- $3,000.00

### Effective Date
- June 15, 1960
- May 13, 1960
- January 1, 1960
- June 16, 1960
- June 16, 1960
- June 16, 1960
- June 15, 1960
- June 16, 1960
- June 15, 1960
STATUS OF OPERATING FUNDS FOR THE DIVISION OF SERVICES FOR CRIPPLED CHILDREN

(42) The Division of Services for Crippled Children, since its establishment as the official medical care agency for crippled children in Illinois, has recognized polio patients as an eligible category for specialized services under its program. This responsibility is recorded in the official state plan which documents the organization and operation of the Division and which is filed with the Children's Bureau in accordance with regulations of the Department of Health, Education, and Welfare, relating to federal matching grants.

During the early years of the Division, polio patients formed a major group receiving attention and represented a substantial portion of its expenditures. With the increasing success of the fund drives of the National Foundation for Infantile Paralysis (now officially known as the National Foundation), the burden of providing financial support for most polio patients was shifted, beginning in the late 1940's, to the National Foundation. It was the Foundation's declared policy to meet the needs of polio patients through the funds raised in the annual "March of Dimes" campaign and thereby supplant tax funds for the same purpose, wherever possible.

In the state of Illinois the National Foundation's county chapters accepted this obligation and continued to provide the major financial support for treatment of polio patients throughout the 1950's. During this period, the Division of Services for Crippled Children expenditures for polio patients decreased from approximately $200,000 in 1952 to approximately $10,000 in 1959. Medical care planning for over one thousand polio patients annually was carried on through statewide clinics maintained by this Division with financial support provided by the National Foundation chapters. The Division of Services for Crippled Children funds were used only when a given chapter could not provide further support, usually due to exhaustion of its locally collected funds.

Subsequent to the development of the Salk vaccine, the National Foundation experienced some changes. Its annual drives for funds became less successful, and have produced considerably below their expectations each year. This decline in fund raising on the part of the National Foundation reflects a public image of poliomyelitis as a disease that has been conquered. In part, perhaps, the declining fiscal support may be related to the change in the name of the Foundation and its changed purpose announced approximately two years ago, its current name being "National Foundation," eliminating "for Infantile Paralysis."
In addition to concern for poliomyelitis, the organization has extended its interest to include other crippling diseases, particularly at the outset, birth defects and rheumatoid arthritis, and with specific attention to professional education and research and somewhat less emphasis on patient care services, which had so strongly characterized the program of the National Foundation for Infantile Paralysis in its previous operations.

Another fundamental change in the National Foundation's new program was the transfer of responsibility for patient aid to other sources of funds than the National Foundation itself. This change was first announced in May of 1959, and reaffirmed in March of 1960. It emphasized that the National Foundation's resources were not unlimited to deal with all patient-aid problems; consequently, chapter aid was being limited to patients in certain priority groups who were not eligible for adequate care from any other source.

The changes in the National Foundation policy were originally undertaken without reference to official state agencies or to the effects such a change would have on their operations in terms of previously determined plans. The Division of Services for Crippled Children had no forewarning of this impending situation, nor was there any knowledge of the impending shortage of funds in the local county chapters of the National Foundation at the time the budget for the 1959-61 biennium was established. At present, approximately one-half of the state's chapters are without significant funds or are in a deficit status.

The result of these changes has meant that the Division has received an increasing volume of requests from physicians, hospitals, parents, and other agencies throughout the state for financial support and services to polio patients beyond the extent of the obligations undertaken by the Division under the long-standing arrangement with the National Foundation. While the Division of Services for Crippled Children did not anticipate during the current biennium the necessity for incurring costs for services to most of these children, authorization for their care has been given since they are eligible under the state plan for such care. The result of these unanticipated needs is difficult to assess at this time. A conservative estimate indicates that, if the Division of Services for Crippled Children continues to accept those cases which are qualified for its program, the need for expenditures may exceed current appropriations by as much as $200,000. If, for any reason, the need for patient care is accelerated during the coming year and it is shown that the individual county chapters of the National Foundation are financially unable to meet the need, the excess of needed expenditures over current appropriations could amount to as much as $400,000.

While it is too early to make a precise estimate of the need for additional funds during this biennium, if present trends continue and if the University, through the Division of Services for Crippled Children, continues to accept those cases which are in need of its services and entitled to them, an emergency supplementary appropriation of from $200,000 to $400,000 may have to be requested at the next session of the General Assembly.

President Henry presented Dr. Edward F. Lis, Director of the Division of Services for Crippled Children, who discussed the foregoing report and answered questions.

This report was received for record.

At this point Mr. Hughes left the meeting.

REPORT OF A STUDY OF THE POSSIBILITY OF FULL-SCALE OPERATION OF THE UNIVERSITY DURING TWELVE MONTHS OF THE YEAR

In view of public interest in the subject, and inquiries received from some members of the Board of Trustees, a study was undertaken at the request of the President and the Vice-President and Provost of the University of the possibilities of increasing utilization of the present facilities of the University to the following extent and the problems therein.

The University would maintain as full an enrollment as possible, a complete staff, and full operation of all buildings during twelve months of the year.

The University plant would operate for instructional purposes from 8:00 a.m. until 9:00 p.m. Monday through Friday and from 8:00 a.m. to 1:00 p.m. on Saturday.
This study was directed by Associate Dean Gibbon Butler of the College of Liberal Arts and Sciences, and a report was submitted, copies of which were sent to all members of the Board of Trustees. In the study and in the preparation of the report, Dean Butler had the advice of the deans of the colleges, the directors of the schools and institutes, and other University officers with major administrative responsibilities.

President Henry presented Dean Butler who discussed the report and answered questions.

A copy of the report was filed with the Secretary of the Board for record. At the request of Mrs. Watkins, the Secretary was directed to send copies of the report to all members of the Illinois Commission of Higher Education and to delegates to the Commission.

BUILDING PROGRAM FOR 1961-63

Submitted herewith is the proposed building program for the biennium of 1961-63. It is 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 1961-63 for presentation to the Department of Finance, the Illinois Budgetary Commission, and other state officers and committees of the Seventy-second 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.

State law requires that the University file with the Department of Finance no later than November 1 estimates of income and expenses from state appropriations for the biennium beginning the following July. The operating budget to be recommended from state appropriations for the biennium of 1961-63 will be presented to the Board of Trustees at a later meeting.

The report of the University Building Program had been submitted to members of the Board of Trustees for study in advance of today's meeting. Professor Norman A. Parker, Chairman of the Committee, had previously made preliminary reports to the Committee on Buildings and Grounds at meetings in May and June, and he now formally presented the report with the recommendations of his Committee and the concurrence of the President of the University.

Following this presentation and discussion, on motion of Mr. Swain, the recommendations were approved and authority was given as requested. This action was taken by the following vote: Aye, Mr. Harewood, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick, Mr. Stratton; Mr. Hughes was present during most of the meeting but was absent when this matter was considered and the vote taken.

The report appears as an appendix to these minutes on pages 73 to 88.

NONSALARIED FACULTY OF THE COLLEGE OF MEDICINE, 1960-61

I present the following list of appointments to the nonsalaried faculty of the College of Medicine for the academic year beginning September 1, 1960, unless otherwise indicated, and request that the President of the University be authorized to make such additional appointments and other changes, and to accept resignations, as are desirable and necessary.

Appointments of Professors and Associate Professors are on indefinite tenure; all others are for one year from September 1, 1960, unless otherwise stated. New appointments are so indicated.
### Summary

<table>
<thead>
<tr>
<th>Department</th>
<th>1959-60</th>
<th>1960-61</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>8</td>
<td>8 (1)*</td>
</tr>
<tr>
<td>Biological Chemistry</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Clinical Science</td>
<td>25 (2)</td>
<td>23 (1)</td>
</tr>
<tr>
<td>Dermatology</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Medical Social Work</td>
<td>267 (19)</td>
<td>284 (21)</td>
</tr>
<tr>
<td>Microbiology</td>
<td>3</td>
<td>3 (1)</td>
</tr>
<tr>
<td>Neurology and Neurological Surgery</td>
<td>17</td>
<td>12</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>95 (3)</td>
<td>96 (4)</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>69 (2)</td>
<td>69 (5)</td>
</tr>
<tr>
<td>Orthopaedic Surgery</td>
<td>31 (1)</td>
<td>32 (1)</td>
</tr>
<tr>
<td>Otolaryngology</td>
<td>68 (6)</td>
<td>67 (6)</td>
</tr>
<tr>
<td>Pathology</td>
<td>35 (1)</td>
<td>38 (2)</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>62 (4)</td>
<td>58 (6)</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Physical Medicine and Rehabilitation</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Physiology</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Preventive Medicine</td>
<td>5 (1)</td>
<td>7 (1)</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>108 (3)</td>
<td>102 (3)</td>
</tr>
<tr>
<td>Public Health</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>Radiology</td>
<td>22</td>
<td>27</td>
</tr>
<tr>
<td>Surgery (including Urology and Anesthesiology)</td>
<td>207 (12)</td>
<td>218 (11)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1 054 (54)</td>
<td>1 077 (63)</td>
</tr>
</tbody>
</table>

---

### Anatomy

- Gustav Zechel, Lecturer with rank of Associate Professor, Emeritus
- Philip A. Casella, Clinical Assistant Professor
- Arthur F. Cipolla, Clinical Assistant Professor
- Lawrence G. Keebe, Clinical Assistant Professor
- Frank A. Vicari, Clinical Assistant Professor
- H. Paul Carstens, Research Associate
- Arthur T. Haedrich, Research Associate
- Faith W. LaVelle, Research Associate

### Biological Chemistry

- Max K. Hofwitt, Associate Professor
- Howard H. Sky-Peck, Assistant Professor
- Gordon S. Stewart, Assistant Professor
- Irving Lyon, Assistant Professor
- Abraham S. Markowitz, Assistant Professor
- Hermann G. Mattenheimer, Assistant Professor
- Richard D. Coleman, Instructor
- Alvin J. Glasky, Instructor

### Clinical Science

- Kao Hwang, Clinical Assistant Professor
- Tsung-Min Lin, Assistant Professor
- E. Rhoda Grant, Research Associate
- Herbert Kabin, Research Associate
- George E. Park, Research Associate
- Daniel S. Stevens, Research Associate

### Dermatology

- James H. Mitchell, Clinical Professor (Rush), Emeritus
- Leonard F. Weber, Clinical Professor

---

*The figures in parentheses indicate the number of emeritus members.*

*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 Presbyterian Hospital by authority of the Board of Trustees.*

*Also Resident at Research and Educational Hospitals.*

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

*Also Resident at Research and Educational Hospitals and Illinois Eye and Ear Infirmary.*

*Also Resident at Research and Educational Hospitals assigned to Illinois Juvenile Research.*
CLARK W. FINNERUD, Clinical Associate Professor (Rush)
PAUL R. GRIFFITH, Clinical Associate Professor
JOHN B. HaEBERLIN, JR., Clinical Associate Professor
IRENE NEUHAUSER, Clinical Associate Professor
MILTON ROBIN, Clinical Associate Professor
ALBERT H. SLEPTAN, Clinical Associate Professor
SIDNEY BARSKY, Clinical Assistant Professor
SAMUEL W. BECKER, Clinical Assistant Professor
ALFRED B. FALK, Clinical Assistant Professor
LOUIS RUBIN, Clinical Assistant Professor
BERNARD YAFFE, Clinical Assistant Professor
FRANCIS W. HETREED, Clinical Associate
RICHARD M. OLIVER, Clinical Associate
EDWIN M. SMITH, Clinical Associate
OTTO C. STEGMAIER, Research Associate
STEFAN BIELINSKI, Clinical Instructor
ALLEN S. Pearl, Jr., Clinical Instructor
HAROLD M. SPINKA, Clinical Instructor
JACK M. FOX, Assistant
MARTIN L. GECHT, Clinical Assistant
ROBERT H. HARDING, Clinical Assistant

Medical Social Work

JOSEPHINE G. TAYLOR, Assistant Professor
CORDELIA D. DERRICOTE, Instructor
JEAN Y. SERIKAKU, Instructor

Medicine

WALTER C. ALVAREZ, Lecturer with rank of Professor, Emeritus
AARON ARKIN, Clinical Professor (Rush), Emeritus
MORRIS FISHER, Lecturer with rank of Professor (Rush), Emeritus
ELLIS B. FRIELICH, Clinical Professor, Emeritus
WILLIAM G. HIBBS, Clinical Professor (Rush), Emeritus
WILBER F. POST, Clinical Professor (Rush), Emeritus
SIDNEY STRAUSS, Clinical Professor, Emeritus
WILLIAM A. THOMAS, Clinical Professor (Rush), Emeritus
ALBERT VANDERKLOOT, Clinical Professor, Emeritus
S. HOWARD ARMSTRONG, JR., Professor
JAMES A. CAMPBELL, Professor
JAMES B. EYERLY, Clinical Professor (Rush)
WILLIAM S. HOFFMAN, Lecturer with rank of Professor
FRANK B. KELLY, Clinical Professor (Rush)
HAROLD C. LUETH, Clinical Professor
KARL H. PFUETZE, Clinical Professor
BEN Z. RAPPAPORT, Clinical Professor
THEODORE B. SCHWARTZ, Professor
LEROY H. SLOAN, Clinical 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
HOWARD WAKEFIELD, Clinical Associate Professor, Emeritus
MELVIN L. AFREMOW, Clinical Associate Professor
EVAN M. BARTON, Clinical Associate Professor (Rush)
ARTHUR BERNSTEIN, Clinical Associate Professor
RICHARD B. CAPPS, Clinical Associate Professor
LOUIS FELDMAN, Clinical Associate Professor
JACOB W. FISCHER, Clinical Associate Professor
LEWIS FRANKLIN, Clinical Associate Professor
JOHN S. GRAETTINGER, Associate Professor
EARLE GRAY, Clinical Associate Professor (Rush)
PONTHEL, 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. LUNN, Clinical Associate Professor (Rush)
J. CHARLES MCMILLAN, JR., Clinical Associate Professor
MILTON M. MOSKO, Clinical Associate Professor
JEROME T. PAUL, Clinical Associate Professor
OGLESBY PAUL, Clinical Associate Professor
ISAAC PILOT, Clinical Associate Professor
THEODORE Z. POLLEY, Clinical Associate Professor
SAMUEL H. ROSENBLOOM, Clinical Associate Professor
WILLIAM SAPHIR, Clinical Associate Professor
JAMES A. SCHONBERGER, Clinical Associate Professor
MITCHELL A. SPELLBERG, Clinical Associate Professor
IRVING E. STECK, Clinical Associate Professor
GEORGE W. STOFFY, Clinical Associate Professor (Rush)
EUGENE F. TRAUT, Clinical Associate Professor (Rush)
KARL W. TRIMMER, Clinical Associate Professor (Rush)
FRANK E. TRUMBAUER, Jr., Associate Professor
WILLARD L. WOOD, Clinical Associate Professor (Rush)
LEWIS WATSON, Clinical Assistant Professor, Emeritus
JOHN A. GARDNER, Clinical Assistant Professor (Rush), Emeritus
BENJAMIN H. HILKEVITCH, Clinical Assistant Professor (Rush), Emeritus
OSMUND H. ACKER, Clinical Assistant Professor
RAY F. BEERS, Jr., Clinical Assistant Professor
MAX BERG, Clinical Assistant Professor
LEONEL M. BERNSTEIN, Assistant Professor
GEORGE H. BERRYMAN, Clinical Assistant Professor
HERBERT C. BREUHAUS, Clinical Assistant Professor (Rush)
DAVID BRONSKY, Clinical Assistant Professor
RALEIGH R. BROWN, Clinical Assistant Professor
GEORGE V. BYFIELD, Clinical Assistant Professor
ROBERT W. CARTON, Clinical Assistant Professor
MELVIN M. CHERTECK, Clinical Assistant Professor
TOMAS J. COGAN, Clinical Assistant Professor
ANGELO P. CRETEGOS, Clinical Assistant Professor
THEODORE R. DAKIN, Clinical Assistant Professor
HUGO O. DEUSS, Lecturer with rank of Assistant Professor
NORMAN J. EHRLICH, Clinical Assistant Professor
SANFORD A. FRANZELAU, Clinical Assistant Professor
GERHARD FREUND, Clinical Assistant Professor
CLARENCE L. GANTS, Clinical Assistant Professor
RAYMOND M. GALT, Clinical Assistant Professor
ROLFE GUNNAR, Clinical Assistant Professor
AARON GUNTHE, Clinical Assistant Professor
BUDNIT HALI, Clinical Assistant Professor
WILLIAM J. HANDB, Clinical Assistant Professor
HARRY L. HUNTER, Clinical Assistant Professor
LEVIN KAPLAN, Clinical Assistant Professor
ROLAND L. KESLER, Clinical Assistant Professor (Rush)
JANET R. KINNEY, Clinical Assistant Professor
SYDNEY KOPMAN, Assistant Professor
SHERON E. KRASNOW, Clinical Assistant Professor
GRANT H. LAING, Clinical Assistant Professor
CHARLES H. LAWRENCE, Clinical Assistant Professor
HELMAN A. LEVY, Clinical Assistant Professor
JEROME S. MEHLER, Clinical Assistant Professor
ROBERT C. MIHRBACE, Clinical Assistant Professor
JOSEPH J. MYERSTER, Jr., Assistant Professor
JOHN R. NEIBERGLES, Clinical Assistant Professor
BERNARD G. NELSON, Clinical Assistant Professor (Rush)
LAWRENCE PEHLMAN, Clinical Assistant Professor
VICTOR E. POLLAK, Research Assistant Professor
Robert M. Poske, Clinical Assistant Professor
John Post, Clinical Assistant Professor (Rush)
Olbrich Perek, Lecturer with rank of Assistant Professor
Marilyn M. Pyle, Clinical Assistant Professor
Eugene J. Ranze, Clinical Assistant Professor
Paul Ravenna, Clinical Assistant Professor
Alfred H. Rosenblum, Clinical Assistant Professor
Anthony R. Salenca, Clinical Assistant Professor
Armin F. Schick, Clinical Assistant Professor (Rush)
John T. Sharp, Clinical Assistant Professor
Elizabeth K. Straus, Lecturer with rank of Assistant Professor (Rush)
Graham A. Vance, Clinical Assistant Professor
Seymour W. Weisberg, Clinical Assistant Professor
Gerald A. Williams, Clinical Assistant Professor
Edward O. Willoughby, Clinical Assistant Professor
Edward J. Wiss, Clinical Assistant Professor
Alexander Wolf, Clinical Assistant Professor
Simon Zvin, Clinical Assistant Professor
Eugene Grost, Clinical Associate, Emeritus
Robert N. Hedges, Clinical Associate, Emeritus
J. Leslie Williams, Associate, Emeritus
George P. Ballard, Clinical Associate
Robert J. Becker, Clinical Associate
Alrin M. Brikey, Jr., Clinical Associate
Joseph A. Davis, Clinical Associate
Alessandro Emanuelli, Research Associate (fourteen months from July 1, 1960)
Benjamin W. Fox, Clinical Associate
Donald T. Foxworthy, Clinical Associate
Robert C. Fruin, Clinical Associate
Morvan A. Goldmann, Clinical Associate
Lure J. Grimaldi, Clinical Associate
Carl A. Pedelom, Jr., Clinical Associate
William H. Highstone, Clinical Associate
Walter F. Heppner, Clinical Associate
Benjamin M. Kaplan, Clinical Associate
William J. Kirby, Clinical Associate
Bruce D. Lee, Clinical Associate
Audley R. Mamby, Clinical Associate
Lester A. Nalefski, Clinical Associate
Donald E. O'Brien, Clinical Associate
HeLEN L. Rhetta, Clinical Associate
Rickey C. Roskelley, Clinical Associate
Seymour R. Salberg, Clinical Associate
Ralph A. Scala, Clinical Associate
Charles S. Vil, Clinical Associate
Harold M. Schoolman, Clinical Associate (on leave of absence)
Maurice M. Albala, Clinical Instructor
C. Clyde Anderson, Instructor (one year from July 1, 1960)
William J. Andrews, Clinical Instructor
Berthue E. Armstrong, Clinical Instructor
Mary B. Backer, Clinical Instructor (fourteen months from July 1, 1960)
David Baldwin, Clinical Instructor
Samuel Berger, Clinical Instructor
Herbert E. Bessinger, Clinical Instructor
William E. Bretz, Clinical Instructor
Ernest R. Brooks, Clinical Instructor
William C. Brown, Clinical Instructor
Frank C. Carter, Clinical Instructor
John L. Cirran, Clinical Instructor
G. William Cotts, Clinical Instructor
Thomas D. Dale, Jr., Clinical Instructor
J. Calvin Davis III, Instructor (one year from July 1, 1960)
Robert E. Dedmon, Instructor (one year from July 1, 1960)
GEORGE A. DEJONG, Clinical Instructor
JOHN A. DETWEILER, Clinical Instructor
HENRY D. DEYOUNG, Clinical Instructor
MICHAEL M. DIGILIO, Clinical Instructor
DEAN F. DIMICK, Clinical Instructor
ROBERT E. ECKLUND, Instructor (one year from July 1, 1960)*
PETER J. FABACCO, Clinical Instructor
ROBERT E. FELIX, Instructor
THOMAS J. FITZPATRICK, Clinical Instructor
GEORGE C. FLAMAGAN, Instructor (on leave of absence for military service) (one year from July 1, 1960)
RONALD E. FOX, Clinical Instructor
WILLIAM J. FREUD, Clinical Instructor
RAIMONDS G. GAILITIS, Clinical Instructor
WILLIAM R. GARE, Clinical Instructor
CARL A. GEBUSE, Clinical Instructor
IRVING GREENSPAN, Clinical Instructor (on leave of absence)
THOMAS H. HAYES, Clinical Instructor
ROBERT N. HEDGES, Jr., Clinical Instructor
ROBERT L. HERTING, Clinical Instructor
ALLEN HOFFMAN, Clinical Instructor
NATHAN J. IGLITZEN, Clinical Instructor
MOHAMAD INAYATULLAH, Instructor (one year from July 1, 1960)
RODNEY A. JAMIESON, Clinical Instructor
HAROLD L. JENSEN, Clinical Instructor
LOUIS C. JOHNSTON, Clinical Instructor
FRANK W. JONES, Clinical Instructor
JOHN C. JONES, Clinical Instructor
PHILIP N. JONES, Clinical Instructor
IRENE G. KAGANIEC, Clinical Instructor
ROBERT S. KASSRIEL, Clinical Instructor
FRANK E. KELLY, Jr., Clinical Instructor
WALLACE W. KIRKLAND, Jr., Clinical Instructor
JOHN C. KULIS, Clinical Instructor
EDWARD A. LICHTER, Instructor (one year from July 1, 1960)*
KENDALL L. MANN, Clinical Instructor
JULIO MARSI, Clinical Instructor
SAMUEL MATLIN, Clinical Instructor
PETER S. MAYER, Clinical Instructor
WILLIAM R. McCABE, Instructor (fourteen months from July 1, 1960)
VIDVUDS MEDENIS, Clinical Instructor
PAUL A. MEREDITH, Clinical Instructor
MORGAN M. MEYER, Clinical Instructor
THOMAS MORRISON, Clinical Instructor
LOUIS M. NEWTON, Instructor (one year from July 1, 1960)
JOSEPH R. NORA, Clinical Instructor
JOSHUA ODEN, Jr., Clinical Instructor
LEONARD OHRINGER, Clinical Instructor
RALPH PACINI, Clinical Instructor
LUBEN C. PENEV, Clinical Instructor
CHARLES P. PERLIA, Clinical Instructor
WILLIAM H. PHELAN, Instructor
FRANK E. PRESTIPINO, Clinical Instructor (fourteen months from July 1, 1960)
GLOUCESTER A. PRICE, Jr., Clinical Instructor
ANITA ROBBINS, Clinical Instructor
DEAN S. ROSSET, Clinical Instructor
ROGER R. SCHuessler, Instructor (one year from July 1, 1960)*
WILLIAM K. SCUPHAM, Clinical Instructor
JAMES P. SIEKIER, Instructor (one year from July 1, 1960)*
VITOLD R. SIKINS, Instructor (one year from July 1, 1960)*
RICHARD R. SLAYTON, Clinical Instructor
LEONARD S. SŁUZYNSKI, Clinical Instructor
CLIFFORD W. SMITH, Clinical Instructor
MAREHALL J. SNAPP, Clinical Instructor
SOLOMON SOBEL, Instructor (one year from July 1, 1960)
WILLIAM R. STARR, Clinical Instructor
HARRY B. STONE, Clinical Instructor
JEROME F. STRAUSS, Jr., Clinical Instructor
DONALD W. TARUN, Clinical Instructor
MARIAN S. TARMYNSKI, Clinical Instructor (fourteen months from July 1, 1960)
KASSMIR TAUSK, Clinical Instructor
RAYMOND TEPITZ, Clinical Instructor
CHESTER B. TIRT, Clinical Instructor
ANGELO TOJO, Clinical Instructor
ALSTON C. TWICE, Clinical Instructor
EARL A. VONDRASEK, Clinical Instructor
JACK WILLIAMS, Clinical Instructor
PAUL L. WINTER, Instructor (one year from July 1, 1960)
CHARLES K. WOLFE, Jr., Clinical Instructor
JAMES R. YOUNG, Clinical Instructor
EARL T. ANDERSON, Assistant (one year from July 1, 1960)
FRANK O. BECKER, Assistant (one year from July 1, 1960)
JOHN D. BEET, Assistant (one year from July 1, 1960)
ALLEN F. BOWMAN, Assistant (one year from July 1, 1960)
EMANUEL O. BRAMS, Assistant (one year from July 1, 1960)
JOSEPH T. BRANIT, Clinical Assistant
WILLIAM A. CARGO, Assistant (one year from July 1, 1960)
NEIL S. CHENNACK, Assistant (one year from July 1, 1960)
KENNETH COHEN, Clinical Assistant
DONALD E. DARLING, Clinical Assistant (on leave of absence for military service)
ROBERT L. DEVETS, Assistant (one year from July 1, 1960)
CHARLES M. ELWOOD, Assistant (one year from July 1, 1960)
JOHN E. FORAN, Clinical Assistant
RICHARD P. FOY, Assistant (one year from July 1, 1960)
JOSEPH S. GONNELLA, Assistant (one year from July 1, 1960)
GERHARD H. HAASE, Clinical Assistant
BERNARD L. HARDER, Clinical Assistant
MELVYN A. INGRID, Clinical Assistant
SHELDON M. KAIN, Assistant (one year from July 1, 1960)
LARRY M. KEER, Assistant (one year from July 1, 1960)
NICHOLAS KEPALIDES, Assistant (one year from July 1, 1960)
THOMAS L. KEMP, Assistant (one year from July 1, 1960)
CHARLES W. KOOLW, Assistant (one year from July 1, 1960)
WILLIAM T. LAMBERT, Assistant (one year from July 1, 1960)
JAMES H. LAWRENCE, Assistant (seven months from September 1, 1960)
JON LEMKE, Assistant (one year from July 1, 1960)
PATRICIA A. McCORR, Clinical Assistant
HOWARD A. MUELLER, Assistant (one year from July 1, 1960)
ROBERT F. O'BORNE, Assistant (one year from July 1, 1960)
CHARLES H. PATTON, Assistant (one year from July 1, 1960)
MARVIN S. ROSENBERG, Clinical Assistant (on leave of absence for military service)
DAVID RUSH, Assistant (one year from July 1, 1960)
RICHARD J. SARRIT, Assistant (one year from July 1, 1960)
ANTHONY M. SCARDINO, Clinical Assistant (on leave of absence for military service)
JAN SILVERMAN, Assistant (one year from July 1, 1960)
SHELDON J. SLADEK, Clinical Assistant
VINCENT STANTON, Assistant (one year from July 1, 1960)
JOHN C. STUTZMAN, Assistant (one year from July 1, 1960)
ALF M. TAYLOR, Assistant (one year from July 1, 1960)
JAMES D. WISMAR, Assistant (one year from July 1, 1960)

Microbiology

GEORGE F. FORSTER, Lecturer with rank of Assistant Professor
RALPH H. HUBBLE, Lecturer with rank of Instructor
ELTA W. KNOLL, Assistant, Emerita
Neurology and Neurological Surgery

LOREN W. AVERY, Clinical Professor (Rush)
ARTHUR ARNOLD, Clinical Assistant Professor
NATHAN ZOLT, Clinical Associate
VIRGINIA R. SORUM, Clinical Instructor
PATRICK W. ELWOOD, Assistant
ALLEN E. KAGEN, Assistant
PHILIPP M. LITPE, Assistant
SUAT G. PIROGLU, Assistant
ROY C. SELBY, Jr., Assistant
Eli Tobias, Assistant
GOTO TSUCHIYA, Assistant
LYLE E. WACASER, Assistant

Obstetrics and Gynecology

EDWARD D. ALLEN, Clinical Professor (Rush), Emeritus
HARRY BOYSEN, Clinical Professor (Rush)
EUGENE A. EDWARDS, Clinical Professor
ABRAHAM F. LASH, Clinical Professor
JAMES P. FITZGERBNS, Clinical Associate Professor
ARTHUR H. KLAWANS, Clinical Associate Professor (Rush)
ALFRED J. KOBAK, Clinical Associate Professor
RICHARD A. LIFVENDAHL, Clinical Associate Professor
FRED OWEN PRIEST, Clinical Associate Professor (Rush)
GEORGE H. REZSK, Clinical Associate Professor
HARRY K. WADDINGTON, Clinical Associate Professor
JOHN R. WOLFF, Clinical Associate Professor
WALTER C. HAMMOND, Clinical Assistant Professor, Emeritus
JOHN M. LANG, Assistant Professor, Emeritus
RICHARD H. ANDRESEN, Clinical Assistant Professor
HUGO C. BAUN, Clinical Assistant Professor (Rush)
ROBERT A. BEEBE, Clinical Assistant Professor
SOE J. BENNESON, Clinical Assistant Professor
MICHAEL H. BOLEY, Clinical Assistant Professor
CLAIR W. CAREY, Clinical Assistant Professor
JULIAN P. DAKS, Clinical Assistant Professor
SOE T. DELLE, Clinical Assistant Professor
VINCENT S. DEGIUTTO, Clinical Assistant Professor
CECIL DRAA, Clinical Assistant Professor (Rush)
DEANE M. FARLEY, Clinical Assistant Professor
GEORGE C. FINOLA, Clinical Assistant Professor
WILLIAM F. GEITTMANN, Clinical Assistant Professor
ROBERT J. GLENNER, Clinical Assistant Professor
JOHN F. HARBOG, Jr., Clinical Assistant Professor
CHARLES D. KRAUSE, Clinical Assistant Professor
ROCCO V. LOBRAIO, Clinical Assistant Professor
JOHN S. LONG, Clinical Assistant Professor
ARMAND J. MAZUREK, Clinical Assistant Professor
JOHN W. PAYNE, Clinical Assistant Professor
LOWELL F. PETERSON, Clinical Assistant Professor
FREDERICK J. ROOS, Clinical Assistant Professor
HARRY SERED, Clinical Assistant Professor
C. OTIS SMITH, Clinical Assistant Professor
MANUEL SPIEGEL, Clinical Assistant Professor
JOSEPH B. TETON, Clinical Assistant Professor
FRANK J. WALSH, Clinical Assistant Professor
JOSEPH S. ANGELL, Clinical Instructor
JOHN P. HARBOG, Clinical Instructor
JAMES A. CASEY, Instructor (one year from July 1, 1960)
DONALD M. FAHRENBACK, Clinical Instructor
EDWIN L. FALLOON, Clinical Instructor
HARVEY A. GOLLIN, Clinical Instructor
BERNARD M. KAYE, Clinical Instructor
JOHN R. KOSTELNY, Clinical Instructor
BOARD OF TRUSTEES

VINCENT A. LAVIERI, Clinical Instructor
LAWRENCE LEVINE, Clinical Instructor
THEODORE C. MOUZAKOTIS, Clinical Instructor
JOSEPH J. MULLEN, Clinical Instructor
EDWIN E. NYMAN, Clinical Instructor
GEORGE PEPPER, Instructor (one year from July 1, 1960)
MICHAEL P. PILK, Clinical Instructor
PHILANDER RICKS, JR., Instructor (one year from July 1, 1960)
MARVIN A. ROSNER, Clinical Instructor
MEYER D. RUTGARD, Clinical Instructor
JACK A. SAMPSON, Clinical Instructor
SEYMOUR SHOLDER, Clinical Instructor
JAMES A. SINGLETON, Instructor (one year from July 1, 1960)
HAROLD E. SMITH, Clinical Instructor
ROBERT G. STONE, Clinical Instructor
EDGAR B. SYLVESTER, Clinical Instructor
NATHAN TOLWINSKY, Clinical Instructor
NANCY C. TREADWELL, Clinical Instructor
VASIL TRUCHLY, Clinical Instructor (fourteen months from July 1, 1960)
GEORGE P. VLASIS, Clinical Instructor
LAVERNE M. WALLHEISER, Clinical Instructor
ALVIN F. WIERSMA, Clinical Instructor
BRUCE P. ZUMMO, Clinical Instructor
JOHN A. AIMORE, Clinical Assistant
KURT BOCHNER, Assistant (one year from July 1, 1960)
GEORGE C. BONERTZ, Assistant (one year from July 1, 1960)
DELOS E. COZAD, Clinical Assistant
ANDREW V. DAHLBERG, Clinical Assistant
WILLIAM A. GILLINGER, Assistant (one year from July 1, 1960)
WILLIAM P. GORDON, Assistant (one year from July 1, 1960)
HASSAN M. HASSAN, Assistant (one year from July 1, 1960)
MARIO A. IRIGOYEN, Clinical Assistant
E. J. JUSTEMA, Clinical Assistant
SIDNEY C. KAHN, Clinical Assistant
JOHN S. KARAMITSOS, Assistant (one year from July 1, 1960)
ANTHONY M. KENWICK, Clinical Assistant
ALVIN LANGER, Assistant (one year from July 1, 1960)
ROBERT J. LEE, Assistant (one year from July 1, 1960)
MARSHAL S. LEVINE, Assistant (one year from July 1, 1960)
JON D. MURPHY, Assistant (one year from July 1, 1960)
DENES ORBAN, Assistant (one year from July 1, 1960)
ROBERT H. OBERHELMAN, Clinical Assistant
ADRIAN R. OLECK, Clinical Assistant
ROBERT R. ROGE, Assistant (one year from July 1, 1960)
GABRIEL A. RODRIGUEZ, Assistant (one year from July 1, 1960)
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, Emerita
CARL APPLE, Clinical Associate Professor
JOSEPH S. HAAS, Clinical Associate Professor
DANIEL SNYBACKER, Clinical Associate Professor
THEODORE N. ZEKMAN, Clinical Associate Professor
JAMES W. CLARK, Clinical Assistant Professor
LOUIS FEINBERG, Clinical Assistant Professor
NATHAN H. FOX, Clinical Assistant Professor
ROBERT R. HERBST, Clinical Assistant Professor
GILBERT ISER, Clinical Assistant Professor
DAVID B. MAHER, Clinical Assistant Professor
ERNÖ B. HIDVEGI, Research Associate
TAWFIK Y. SABET, Research Associate
JAMES P. AHNSTRÖM, Clinical Instructor
RICHARD M. CRONIN, Clinical Instructor
CHRISTOPHER F. G. ELLIS, Instructor
KENNETH O. FETROW, Instructor
ROBERT C. HAMILTON, Instructor
FRANCIS M. HOWARD, Clinical Instructor
BRIAN H. HUNCKER, Instructor
WILLIAM F. MCCOLL, Jr., Instructor
ROBERT P. MEANY, Clinical Instructor
WILLIAM MELTZER, Instructor
ALBERT J. NOVOTNY, Clinical Instructor
CLIFFORD O. NYMAN, Clinical Instructor
RAYMOND J. PELICORE, Clinical Instructor
WALTER R. PETERSEN, Clinical Instructor
IRWIN B. RICH, Clinical Instructor
ANTONI TRIAS, Instructor
LOUIS S. VARTINE, Clinical Instructor (Rush)
RICHARD A. FRIEDBERG, Assistant
WILLIAM F. HEJNA, Assistant
ALAIN F. MENGUY, Assistant
ESTHER D. MENSEN, Research Assistant
WILLIAM H. NEWMAN, Clinical Assistant

Otolaryngology

DANIEL A. HAYDEN, Clinical Professor (Rush), Emeritus
ABRAHAM R. HOLLENDER, Professor, Emeritus
WALTER H. THEOBALD, Clinical Professor, Emeritus
OLIVER E. VAN ALYTA, 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 (Bronchoesophagology)
G. KENNETH LEWIS, Clinical Associate Professor
GEORGE S. LIVINGSTON, Clinical Associate Professor
ROBERT B. LEWY, Clinical Associate Professor
MAURICE F. SNITMAN, Clinical Associate Professor
LINDEN J. WAU-NER, Clinical Associate Professor (Rush)
BHARRIT BLUMENTHAL, Clinical Assistant Professor
EDWARD L. CHAINSKI, Clinical Assistant Professor
ARTHUR J. COOMBS, Clinical Assistant Professor
ELMER A. FRIEDMAN, Clinical Assistant Professor
LOUIS D. GRKENE, Clinical Assistant Professor
RICHARD E. MARCUS, Clinical Assistant Professor
ARTHUR L. RATKO, Clinical Assistant Professor
LEO A. SATZ, Clinical Assistant Professor
LOUIS SAVIT, Clinical Assistant Professor
FRANK WOJNIAK, Clinical Assistant Professor (Rush)
I. HERLEN BARTLETT, Clinical Associate
BRUNO BLUMKLOTZ, Clinical Associate
JOSPEH F. ORBICO, Clinical Associate
HARKISHEN SINGH, Clinical Associate
WILLIAM A. SMILEY, Clinical Associate
PIERCE W. THEOBALD, Clinical Associate
JOHN A. WEIDEMANN, Clinical Associate
DAVID F. AUSTIN, Clinical Instructor (on leave of absence)
ROBERT H. BORKENHAGEN, Clinical Instructor
DAVID O. DALE, Clinical Instructor
JOSE LUIS PEREZ, Clinical Instructor
JEANNETTE FRASER, Clinical Instructor (Audiology)
JOSEPH GYORKEY, Clinical Instructor  
COLETTE JEANTET, Clinical Instructor  
ANDREAS G. KODROS, Clinical Instructor  
ROLAND A. KOWAL, Clinical Instructor  
MILTON E. KURTH, Clinical Instructor  
MARIO D. MANSUETO, Clinical Instructor  
PHILLIP I. MOZER, Clinical Instructor (on leave of absence for military service)  
ATHANASSIOS PETER PANAGOPOULOS, Clinical Instructor  
THADEUS S. PIERCE, Clinical Instructor  
EDWARD A. RAZIM, Clinical Instructor  
CARL H. SIEGENTHAL, Clinical Instructor  
ALDO C. SIRIGO, Clinical Instructor  
KURT SPRINGER, Clinical Instructor  
JOHN W. BAXTER, Assistant (one year from July 1, 1960)*  
CHARLES D. BLUESTONE, Assistant (one year from July 1, 1960)*  
GEORGE H. CONNER, Assistant (one year from July 1, 1960)*  
ROGER A. EGERT, Assistant (one year from July 1, 1960)*  
THOMAS E. GRIFFITH, Assistant (one year from July 1, 1960)*  
GERALD E. GUEMMER, Assistant (one year from July 1, 1960)*  
A. LAWRENCE LEMEL, Assistant (one year from July 1, 1960)*  
ROY E. MATHews, Assistant (one year from July 1, 1960)*  
DINO G. MAURIZI, Assistant (one year from July 1, 1960)*  
ROBERT C. NEWELL, Assistant (one year from July 1, 1960)*  
ROBERT S. ROBINS, Assistant (one year from July 1, 1960)*  
JOYCE A. SCHILD, Assistant (one year from July 1, 1960)*  
RONALD H. STEFANI, Assistant (one year from July 1, 1960)*  
LOUIS T. TENTA, Assistant (one year from July 1, 1960)*  
JOSEPH F. VELEK, Assistant (one year from July 1, 1960)*  

Pathology

GEORGE M. HASS, Professor  
LESTER S. KING, Clinical Professor  
CARL E. CAHN-BRONNER, Professorial Lecturer, Emeritus  
JERRY J. KERNS, Clinical Associate Professor, Emeritus  
FREDERICK C. BAUER, JR., Clinical Associate Professor  
HARNOLD A. GRIFFITH, Clinical Associate Professor  
AARON LEARNER, Clinical Associate Professor  
COYE C. MASON, Clinical Associate Professor  
JAMES R. THOMPSON, Clinical Associate Professor  
RUDOLPH A. CLASEN, Assistant Professor (fourteen months from July 1, 1960)  
DOROTHY E. ESCHBACH, Clinical Assistant Professor  
FREDERICK G. FLOBERG, Lecturer in Legal Medicine with rank of Assistant Professor  
MOSHE G. GOLDBERG, Clinical Assistant Professor  
FRANZ E. HIRSCH, Lecturer with rank of Clinical Assistant Professor  
ROBERT V. HOFFMAN, JR., Clinical Assistant Professor  
GRANT C. JOHNSON, Clinical Assistant Professor  
ALBERT I. RUBENSTONE, Clinical Assistant Professor  
ALBERT W. SCHWETZ, Clinical Assistant Professor  
JONAS VALATIS, Clinical Assistant Professor  
PAUL A. VAN PERNIS, Clinical Assistant Professor  
JOHN E. MALONEY, Clinical Associate  
ROBERT W. ALEXANDER, Instructor*  
JESUS A. CABRERA, Instructor*  
GEORGE F. COX, Instructor (one year from July 1, 1960)*  
JOSEPH C. ERWIN, Clinical Instructor  
RUDOLPH EISENBERG, Instructor (one year from July 1, 1960)*  
JAMES E. HABECKER, Clinical Instructor  
JOSEPH J. HOSKINS, Instructor (one year from July 1, 1960)*  
VICTOR R. JABLOKOW, Clinical Instructor  
URSULA F. ROWLAND, Instructor  
SEVERINO S. SARMENTO, Instructor (one year from July 1, 1960)*  
W. W. SCAMMAN, Instructor (one year from July 1, 1960)*
### BOARD OF TRUSTEES

Eugene J. Goldman, Assistant (one year from July 1, 1960)
Thomas D. Mahony, Assistant (one year from July 1, 1960)
Laszlo S. Medgyesy, Assistant (one year from July 1, 1960)
James C. Pritchard, Assistant (one year from July 1, 1960)
Seymour Rosen, Assistant (one year from July 1, 1960)
Sherwyn E. Warren, Assistant (one year from July 1, 1960)

### Pediatrics

Craig D. Butler, Clinical Professor (Rush), Emeritus
Clifford Crile, Clinical Professor (Rush), Emeritus
Archibald L. Hoyne, Clinical Professor (Rush), Emeritus
Hugh McCulloch, Lecturer with rank of Professor, Emeritus
Alfred D. Biggs, Clinical Professor
Benjamin M. Gasul, Clinical Professor
Joseph Greengard, Clinical Professor
C. Jack Harrison, Clinical Professor (Rush)
Samuel J. Hoffman, Clinical Professor
Charles K. Stolle, Clinical Associate Professor (Rush), Emeritus
Lawrence Breslow, Clinical Associate Professor
Warren R. Dammers, Clinical Associate Professor
Louis J. Halpern, Clinical Associate Professor
Harry Leichenger, Clinical Associate Professor
Matthew M. Lewison, Clinical Associate Professor (Rush)
Daniel J. Pachman, Clinical Associate Professor
Irving B. Richter, Clinical Associate Professor
Noel G. Shaw, Clinical Associate Professor (Rush)
Norman T. Welford, Clinical Associate Professor (Rush)
Dorothy H. Welker, Clinical Associate Professor
Woodruff L. Crawford, Clinical Assistant Professor, Emeritus
Magnus H. Agustsson, Clinical Assistant Professor
Rene A. Arcilla, Clinical Assistant Professor
Hans G. Bucheles, Clinical Assistant Professor
E. H. Christopherson, Clinical Assistant Professor
John B. Hall, Clinical Assistant Professor
Mildred R. Jackson, Clinical Assistant Professor
Harvey Kraytiz, Clinical Assistant Professor
Herman B. Lander, Clinical Assistant Professor
Bessie L. Lendrum, Clinical Assistant Professor
Harry T. Nagel, Clinical Assistant Professor
Bruce B. Newman, Clinical Assistant Professor
Homer S. Parker, Clinical Assistant Professor
Mildred J. Polniaszek, Clinical Assistant Professor
Martin Sacks, Clinical Assistant Professor
Thomas F. Saltiel, Clinical Assistant Professor
Irene Shmeigsly, Clinical Assistant Professor
Charles E. Stepan, Clinical Assistant Professor
Samuel Thomas, Clinical Assistant Professor
A. A. Wolf, Clinical Assistant Professor
Juan Pedro Bicoff, Clinical Instructor
Julia Yu Chao, Instructor
Elizabeth Keller, Clinical Instructor
Elisabeth S. Lassers, Clinical Instructor
Howard J. Levine, Clinical Instructor
Jerome J. Lubin, Clinical Instructor
Ronald B. Mack, Clinical Instructor
Kenneth S. Nolan, Clinical Instructor
Victor M. Lo Proro, Clinical Instructor
Vlastimil Vrla, Clinical Instructor
Bradley H. Appelbaum, Assistant
Agarito Y. de Ramos, Assistant
Joseph L. Emmerich, Assistant
Mel W. Feinberg, Assistant
Richard J. Feinberg, Assistant
Garland P. Kirkpatrick, Assistant
Pharmacology

VICTOR A. DRILL, Lecturer with rank of Professor
HARRIS ISBELE, Lecturer with rank of Professor

Physical Medicine and Rehabilitation

H. WOOLEY KENDALL, Clinical Professor
LUIS SALOMON, Clinical Instructor

Physiology

LATHAN A. CRANDALL, JR., Lecturer with rank of Professor
HAROLD E. HIMWICH, Lecturer with rank of Professor
CHESTER W. DARROW, Associate Professor
NEENA B. SCHWARTZ, Lecturer with rank of Associate Professor

Preventive Medicine

THOMAS G. HULL, Lecturer with rank of Associate Professor, Emeritus
JEREMYN FRANCIS MCCAHAN, Clinical Associate Professor
HAROLD W. SEILS, Clinical Assistant Professor
HAROLD H. STEINBERG, Clinical Assistant Professor
JANET M. WOLTER, Clinical Assistant Professor
AGNES D. L. Goss, Clinical Instructor
RAYMOND W. STERLEY, Clinical Instructor

Psychiatry

RALPH C. HAMILL, Clinical Professor (Rush), Emeritus
DAVID SHAROW, Lecturer with rank of 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
STEPHEN L. SHEERWOOD, Clinical Associate Professor of Neurophysiology
ALFRED P. SOLOMON, Clinical Associate Professor
JACK WEINBERG, Clinical Associate Professor
JACOB PASKIND, Clinical Assistant Professor, Emeritus
JAMES M. ALEXANDER, Clinical Assistant Professor
CLAIRE A. ARMSTRONG, Clinical Assistant Professor
HAROLD BALIKOV, Clinical Assistant Professor
E. ELIOT BENEZRA, Clinical Assistant Professor
ANNE R. BENJAMIN, Clinical Assistant Professor
LEON BERNSTEIN, Clinical Assistant Professor
JAMES A. BUETTNER, Clinical Assistant Professor
DAVID I. CHEIFETZ, Clinical Assistant Professor
PAULINE M. COOKE, Clinical Assistant Professor
THOMAS N. DAVIS III, Clinical Assistant Professor
FRANK F. EVANS, Clinical Assistant Professor
ALFRED FLESBIEHL, Clinical Assistant Professor
LOWELL I. GOODMAN, Clinical Assistant Professor
ALFRED G. GREEN, Clinical Assistant Professor
HAROLD A. GREENBERG, Clinical Assistant Professor
DAVID P. GROSS, Clinical Assistant Professor
FREDERICK V. GWYER, Clinical Assistant Professor
JOHN E. HALASZE, Clinical Assistant Professor
LOUIE HALPERIN, Clinical Assistant Professor
JOHN W. HANN, Clinical Assistant Professor
DAVID S. HARMAN, Clinical Assistant Professor
IRVING D. HARRIS, Clinical Assistant Professor
LOUIS JENSEN, Clinical Assistant Professor
WALTER KITT, Clinical Assistant Professor
RICHARD C. KOENIG, Clinical Assistant Professor
ROBERT H. KOFF, Clinical Assistant Professor
GUSTAVO LAGE, Clinical Assistant Professor
SAMUEL LIEBMAN, Clinical Assistant Professor
JOAN LONGINI, Clinical Assistant Professor
ROBERT G. McMILLAN, Clinical Assistant Professor
VICTOR MINTES, Clinical Assistant Professor
EVAN G. MOORE, Clinical Assistant Professor
WILLIAM H. MURRAY, Clinical Assistant Professor
JOSEPH G. NEMERC, Clinical Assistant Professor
ERICH PASCHYES, Clinical Assistant Professor
GEORGE L. PERKINS, Clinical Assistant Professor
FRANCO U. RINALDI, Clinical Assistant Professor
ALAN M. ROBERTSON, Clinical Assistant Professor
RAYMOND E. ROBERTSON, Clinical Assistant Professor
MORRIS M., ROSENHEAL, Clinical Assistant Professor
LESTER H. KUDY, Clinical Assistant Professor
HENRY L. RUHRR, Clinical Assistant Professor
HARRY M. SEgenreich, Clinical Assistant Professor
MORRIS A. SKLANSKY, Clinical Assistant Professor
W. DAVID STIEF, Clinical Assistant Professor
ROBERT L. STEWART, Clinical Assistant Professor
VIRGINIA S. TARLOW, Clinical Assistant Professor
DONN L. TIPPETT, Clinical Assistant Professor
MARIAN D. TOLEPP, Clinical Assistant Professor
THOMAS T. TOURLENTES, Clinical Assistant Professor
SAMUEL A. VICTOR, Clinical Assistant Professor
WILLIAM WEISDOHR, Clinical Assistant Professor
ROBERT E. WESTFALL, Clinical Assistant Professor
DONOVAN G. WEIHT, Clinical Assistant Professor
MEVIN D. NUDelman, Clinical Assistant Professor
MARJORIE C. BARNETT, Clinical Instructor
GENE H. BOROWITZ, Instructor (one year from July 1, 1960)
ERIC G. BURNGRABER, Clinical Instructor
PIETER DEVRIJER, Clinical Instructor
SYDNEY B. EISEN, Clinical Instructor
ARTHUR S. ELSTEIN, Clinical Instructor
DAVID C. GARSON, Clinical Instructor
NAELMAN H. GRENNBERG, Clinical Instructor
DAVID L. GUTMANN, Clinical Instructor
JAY G. HIRSCH, Clinical Instructor
MARCUS A. JACOBSON, Instructor (one year from July 1, 1960)
BENEARD I. LIISON, Clinical Instructor
ARTHUR H. NORTON, Clinical Instructor (one year from July 1, 1960)
ROBERT E. NYQUIST, Clinical Instructor (one year from July 1, 1960)
FRANCES C. PERCE, Clinical Instructor
SARAH R. PESKIND, Clinical Instructor
BARBARA S. ROCHEL, Clinical Instructor
ARTHUR D. SABLE, Clinical Instructor
WAGDI R. SALIB, Clinical Instructor (one year from July 1, 1960)
DONALD D. SCHWARTZ, Clinical Instructor
ARENE J. SMITH, Clinical Instructor
PAULINE D. STEPLETON, Clinical Instructor
DONALD E. WATTS, Clinical Instructor
HERBERT WEINSTEIN, Clinical Instructor
DAGA M. WIED, Clinical Instructor
ROBERT I. YUFIT, Clinical Instructor
MARTIN BALABAN, Research Associate
VIOLE KEBODY, Research Associate
VINCENT J. FOLIODRA, Research Associate
JOSÉ M. CASTILLO, Clinical Assistant
JEANNE DULAS, Clinical Assistant
LEO V. KEMPION, Clinical Assistant
MAQUL A. MIAN, Clinical Assistant
WILLIAM J. PFEIFF, Assistant
MORTON S. TABIN, Clinical Assistant
John M. Whitman, Assistant
Oreste Zalis, Assistant

Public Health
Edward A. Piszczek, Clinical Associate Professor
Herbert K. Adkins, Clinical Assistant Professor
Leno L. Patteeree, Lecturer with rank of Assistant Professor
Clarence W. Klassen, Assistant Professor
Herbert E. McDaniel, Assistant Professor
Kenneth M. Morse, Lecturer with rank of Assistant Professor
W. Franklin Dove, Research Associate

Radiology
Pay H. Squire, Professor (Rush)
David S. Belin, Clinical Associate Professor
Richard E. Buerger, Associate Professor
John W. Clark, Associate Professor
Samuel A. Leader, Clinical Associate Professor
Franklin S. Alcorn, Assistant Professor
Benjamin D. Braun, Clinical Assistant Professor
Frank R. Hendrickson, Assistant Professor
Bily Jay Hill, Assistant Professor
Julius Heydemann, Clinical Assistant Professor
Jacques Ovadia, Clinical Assistant Professor
Nathan Stareman, Clinical Assistant Professor
Audrey L. Wilson, Clinical Assistant Professor
Maurice L. Bogdonoff, Instructor
Leonid Calenoff, Instructor
Frank L. Hussey, Clinical Instructor
John S. Leary, Instructor
Arthur K. Miller, Instructor
Sheldon H. Miller, Instructor
Arshad K. Zaneer, Instructor
Leonard Berlin, Assistant
John C. Bush, Assistant
Charles Frye, Assistant
Martin Hochhauser, Assistant
Guy R. Matthew, Assistant
John I. Pretto, Assistant
H. H. Forsyth Winchell, Assistant

Surgery
Hillier L. Baker, Clinical Professor (Rush), Emeritus
Vernon C. Davis, Professor (Rush), Emeritus
Selim W. McArthur, Clinical Professor, 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
Francis H. Straus, Clinical Professor (Rush)
William H. Hazlett, Clinical Associate Professor, Emeritus
Frank J. Jirka, Associate Professor, Emeritus
William E. Lyon, Clinical Associate Professor, Emeritus
Rudolph J. E. Oden, Associate Professor, Emeritus
Carl B. Davis, Jr., Clinical Associate Professor
William G. Diffenbaugh, Clinical Associate Professor
Arthur E. Doges, 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
John D. Kocky, Clinical Associate Professor
HIRAM T. LANGSTON, Clinical Associate Professor
STANLEY E. LAWTON, Clinical Associate Professor (Rush)
Foster L. MCMILLAN, Clinical Associate Professor
CLARENCE MONROE, Clinical Associate Professor (Rush)
JOHN H. OLWIN, Clinical Associate Professor (Rush)
MORRIS L. PARKER, Clinical Associate Professor
LOUIS W. SCHULTZ, Clinical Associate Professor of Oral Surgery
LINDON SEED, Clinical Associate Professor
HARRY W. SOUTHWICK, Clinical Associate Professor
EVERETT L. STROHL, Clinical Associate Professor
FRED V. THEIS, Clinical Associate Professor (Rush)
PHILIP THEOREK, 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. CANHAM, Clinical Assistant Professor
JOSIAH 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
RONALD G. HALEY, Clinical Assistant Professor
RUSSELL C. HANSEMANN, Clinical Assistant Professor
HARRY G. HARDY, Jr., Clinical Assistant Professor
WILLIAM H. HARRIDGE, Clinical Assistant Professor
ROBERT A. HESS, Clinical Assistant Professor
CARL IRENEUS, Jr., Clinical Assistant Professor
JOHANNES L. KOPPEL, Assistant Professor
KENNETH L. MATSON, Clinical Assistant Professor
HAROLD L. MEYER, Clinical Assistant Professor
GEORGE A. OLANDER, Clinical Assistant Professor
JOHN R. ORNBORG, Clinical Assistant Professor
JOHN H. PFEIFER, Clinical Assistant Professor
WILLIAM L. RICE, Clinical Assistant Professor
HAROLD A. ROTH, Clinical Assistant Professor
PHILIP SHAMAUGH, Clinical Assistant Professor
WILLIAM D. SHOREY, Clinical Assistant Professor
ROBERT F. STOKES, Clinical Assistant Professor
MILTON M. WASICK, Clinical Assistant Professor
MILTON WEINBERG, Jr., Clinical Assistant Professor
CARL Y. WEREHUS, Clinical Assistant Professor
LIONEL J. WITKOWSKI, Clinical Assistant Professor
ROBERT J. BAKER, Clinical Instructor
WALTER L. BARKER, Instructor (one year from July 1, 1960)
WILLIAM C. BRENNA, Clinical Instructor
WALID BUKHARI, Instructor (one year from July 1, 1960)
JACKSON E. CABLE, Jr., Instructor (one year from July 1, 1960)
MOHAMMAD A. CHEEMA, Instructor (one year from July 1, 1960)
NOLE CORBELL, Clinical Instructor
GILBERT W. DUNGLAS, Clinical Instructor
L. FENFIEL FABER, Instructor (one year from July 1, 1960)
GLENW W. FISCH, Clinical Instructor (fourteen months from July 1, 1960)
JOHN W. FRISCH, Clinical Instructor
ANDRES GANIEL, Instructor (one year from July 1, 1960)
HOWARD L. GORDON, Instructor (one year from July 1, 1960)
VERNON L. GUYN, Clinical Instructor
HOWARD M. HAMLIN, Clinical Instructor
JAMES A. HUNTER, Clinical Instructor
VERNON Z. HUTCHINGS, Clinical Instructor
HERBERT F. JENSEN, Instructor (one year from July 1, 1960)
ROBERT W. JAMIESON, Clinical Instructor
JOHANNES M. L. JENSEN, Clinical Instructor
FRANK R. JOHNSON, Clinical Instructor
FRANCES E. KNOCK, Clinical Instructor
ANDREW KIRSTEINS, Clinical Instructor
WILBUR D. LATHAM, Instructor (one year from July 1, 1960)
OSCAR S. LENIT, Jr., Clinical Instructor
WILLIAM E. LOBBY, Clinical Instructor
CARL E. LORENTZON, Clinical Instructor (fourteen months from July 1, 1960)
RANDALL E. McNALLY, Clinical Instructor (fourteen months from July 1, 1960)
WILLIAM H. MARSHALL, Instructor (one year from July 1, 1960)
RICHARD H. MEYER, Instructor (one year from July 1, 1960)
FRANK J. MILLOY, Jr., Clinical Instructor
CHARLES J. MOCK, Clinical Instructor
VINCENT P. MUENSTER, Clinical Instructor
HASSAN NAJAFI, Instructor (one year from July 1, 1960)
STEVEN H. NYL, Clinical Instructor
JOHN W. OTTEN, Clinical Instructor
ROBERT J. OVERSTREET, Clinical Instructor
JOHN C. PARROTT, Instructor (one year from July 1, 1960)
GEORGE L. FASTNACK, Clinical Instructor
EMBELL G. PAUL, Clinical Instructor
HAROLD A. PAUL, Instructor (one year from July 1, 1960)
MARTIN PEPPER, Clinical Instructor
RICHARD C. POWERS, Clinical Instructor
MORRIS M. PROFFITT, Clinical Instructor
ALFRED RASMUSSEN, Clinical Instructor
HOWARD G. REISER, Clinical Instructor
OLIVER V. RENAUD, Clinical Instructor
DAVID F. KENDLEMAN, Instructor (one year from July 1, 1960)
RICHARD C. SCHULZ, Clinical Instructor (on leave of absence)
THOMAS SELLETT, Clinical Instructor
CARL K. SOLANDER, Clinical Instructor
E. WILSON STAUB, Instructor (one year from July 1, 1960)
RICHARD A. TARIZZO, Instructor (one year from July 1, 1960)
ROBERT B. WHITE, Clinical Instructor
ARTHUR R. WILLIAMSON, Clinical Instructor (one year from July 1, 1960)
MICHAEL F. WITANOWSKI, Clinical Instructor
BURTON R. BANCROFT, Jr., Assistant (one year from July 1, 1960)
JOHN H. BANCROFT, Assistant (one year from July 1, 1960)
DONALD M. BUCKNER, Assistant (one year from July 1, 1960)
PETER BUDAISKAS, Assistant (one year from July 1, 1960)
EDWARD A. DAINYKO, Assistant (one year from July 1, 1960)
JAY D. ELLENDY, Assistant (one year from July 1, 1960)
LAWRENCE A. FAGARASON, Assistant (one year from July 1, 1960)
GORDON H. GLASSFORD, Assistant (one year from July 1, 1960)
JOSEPH F. HINKAMP, Clinical Assistant
LOREN J. HUMBERREY, Assistant (one year from July 1, 1960)
FERNELY E. JOHNSON, Clinical Assistant
OLGA M. JONASSON, Assistant (one year from July 1, 1960)
JOHN M. KENWELL, Assistant (one year from July 1, 1960)
WALTER R. LAWRENCE, Assistant (one year from July 1, 1960)
LEROY LONG, Assistant (one year from July 1, 1960)
MARY L. MCKENZIE, Assistant (one year from July 1, 1960)
JAMES H. MASON, Assistant (one year from July 1, 1960)
SAMIR M. RAGHER, Assistant (one year from July 1, 1960)
STUART S. ROBERTS, Assistant (one year from July 1, 1960)
MARVIN M. ROMSDAHL, Assistant (one year from July 1, 1960)
WENDELL H. SCHMIDTKE, Assistant (one year from July 1, 1960)
JOHN M. SIMBERNICK, Assistant (one year from July 1, 1960)
KENNETH F. VANDER VENNER, Assistant (one year from July 1, 1960)
RICHARD S. WEBB, Jr., Assistant (one year from July 1, 1960)
WALTER W. WHISLER, Assistant (one year from July 1, 1960)

Division of Urology
NORMAN J. HECKER, Clinical Professor (Rush)
EDWARD BUCKMAN, Clinical Associate Professor, Emeritus
THEOPHIL P. GRAUER, Clinical Associate Professor
JAMES W. MERRICKS, JR., Clinical Associate Professor (Rush)
GEORGE O. BAUMRUCKER, Clinical Assistant Professor
JOSEPH S. DRABANSKI, Clinical Assistant Professor
EDWIN C. GRAF, Clinical Assistant Professor
WILLARD C. MEYER, Clinical Assistant Professor
FRANK B. PAERNERIAK, Clinical Assistant Professor
CEOLQUITT O. RITCH, Clinical Assistant Professor
FREDERICK SCHACHT, Clinical Assistant Professor
R. ROSS HAASER, Clinical Associate
CARL D. BERRY, JR., Clinical Instructor
JAMES A. CALAMS, Clinical Instructor
THOMAS L. COTTRELL, Clinical Instructor
RAYMOND FIRPER, Clinical Instructor
PLUSIE A. MCKEE, Jr., Instructeur (one year from July 1, 1960)
M. A. SOZER, Instructor (one year from July 1, 1960)
JAMES C. VALENTA, Clinical Instructor
MALACHI J. FLANAGAN, Assistant (one year from July 1, 1960)
FABIO M. GONZALEZ, Clinical Assistant

Division of Anesthesiology
PAUL W. SEARLES, Clinical Professor
MARY M. LYONS, Clinical Associate Professor (Rush), Emerita
JOHN E. CAVLLEY, Clinical Assistant Professor
MYRON S. LEVIN, Clinical Assistant Professor
HERBERT E. NATOS, Clinical Assistant Professor
JOSEPH M. BEMLINGER, Clinical Assistant Professor
MILTON J. SCHIFFRIN, Clinical Assistant Professor
JOHN L. SCHMIDT, Clinical Assistant Professor
ARTHUR T. SHIMA, Clinical Assistant Professor
WILMA C. STAFFORD, Clinical Assistant Professor
HERSHELL L. KEELING, Clinical Associate

DIGBY G. SEYMOUR, Clinical Associate
CONSTANTE B. DEPADA, Clinical Instructor (one year from July 1, 1960)
GWEN GLEAVE, Clinical Instructor
DAVE HECKEL, Clinical Instructor
DAVID KATZ, Clinical Instructor
DAVID G. NELSON, Clinical Instructor
JOHN NELSON, Clinical Instructor
BRIGHTON ONUMA, Clinical Instructor
STANISLAW K. PAPNAROFF, Clinical Instructor
RAYMOND P. ROSE, Clinical Instructor
LESTER SCHWARTZ, Clinical Instructor
MAURICE M. TENNANT, Clinical Instructor
DAVID M. VALENTI, Clinical Instructor

RASMA V. VITRUGS, Clinical Instructor
JOSIE R. ALFONSO, Assistant (one year from July 1, 1960)
OLAF W. ALLISON, Assistant (one year from July 1, 1960)
TOWPIS ARMAND, Assistant (one year from July 1, 1960)
THOMAS L. ASHRAFT, Assistant (one year from July 1, 1960)
CARLETON E. DANGREMOND, Clinical Assistant (on leave of absence for military service)

MARGARET N. KEZDI, Clinical Assistant
DAVID W. KRANS, Assistant (one year from July 1, 1960)
JOHN M. LAWSON, Assistant (one year from July 1, 1960)
JAMES E. MAHER, Assistant (one year from July 1, 1960)
JESUS L. MATTOS, Assistant (one year from July 1, 1960)
WILLIAM R. MELBY, Clinical Assistant (on leave of absence for military service)
ROBERT J. NELSON, Assistant (one year from July 1, 1960)
JUSTO J. PEREZ, Assistant (one year from July 1, 1960)
ARTHUR W. PETE, Assistant (one year from July 1, 1960)
JAMES A. SANDRULINI, Assistant (one year from July 1, 1960)
MARCOO O. SANTANDER, Assistant (one year from July 1, 1960)*
VIVENTE B. SANTELICES, Assistant (one year from July 1, 1960)*
MORTON SHULMAN, Assistant (one year from July 1, 1960)*
ASTRIDA I. SILINS, Assistant (one year from July 1, 1960)*
JOHN J. STRAUB, Assistant (one year from July 1, 1960)*
Vernon E. Wallace, Assistant (one year from July 1, 1960)•
William O. Bates III, Assistant (one year from July 1, 1960)*
James H. MacLean, Assistant (one year from July 1, 1960)•

On motion of Mrs. Watkins, these appointments were approved.

INVESTMENT REPORT

The Finance Committee reported the following changes in investments of trust funds from April 1 through June 30, 1960:

URBANA-CHAMPAIGN

Endowment Funds

Purchase

\[
\begin{array}{ccc}
\text{§} & \text{22 000} & \text{U. S. bonds} & 3\% & 8/15/66 & \text{§} 20 821 57 \\
\end{array}
\]

Current Funds

Exchange

\[
\begin{array}{ccc}
\text{§} & 508 000 & \text{U. S. certificates} & 4\% & 5/15/60 \\
508 000 & \text{U. S. certificates} & 4\% & 5/15/61 \\
1 000 000 & \text{U. S. notes} & 3\% & 5/15/60 \\
1 000 000 & \text{U. S. certificates} & 4\% & 5/15/61 \\
\end{array}
\]

Purchase

\[
\begin{array}{ccc}
\text{§} & 200 000 & \text{U. S. bills} & 12/15/60 & \text{§} 184 916 67 \\
\end{array}
\]

Report of the Comptroller

The Comptroller reported the following changes in unexpended plant fund investments, over which he has authority as shown:

URBANA-CHAMPAIGN

Construction Funds

Housing Revenue Bonds of 1960 Series A (Orchard Downs), authorized by Board of Trustees resolution dated June 14, 1960.

Purchase

\[
\begin{array}{ccc}
\text{§} & 156 000 & \text{U. S. notes} & 4\% & 8/15/60 & \text{§} 156 487 50 \\
180 000 & \text{U. S. bills} & 9/15/60 & 179 210 75 \\
186 000 & \text{U. S. bills} & 10/13/60 & 184 752 25 \\
292 000 & \text{U. S. bills} & 11/3/60 & 289 496 10 \\
295 000 & \text{U. S. bills} & 12/15/60 & 289 513 30 \\
294 000 & \text{U. S. bills} & 1/15/61 & 289 855 83 \\
574 000 & \text{U. S. certificates} & 4\% & 2/15/61 & 580 816 25 \\
276 000 & \text{U. S. bills} & 4/15/61 & 269 530 25 \\
836 000 & \text{U. S. certificates} & 4\% & 5/15/61 & 844 621 25 \\
301 000 & \text{U. S. bills} & 4\% & 8/1/61 & 263 446 88 \\
753 000 & \text{U. S. bonds} & 2\% & 9/15/61 & 747 823 13 \\
338 000 & \text{U. S. bonds} & 2\% & 11/15/61 & 333 875 31 \\
\end{array}
\]

Housing Revenue Bonds of 1959 Series C and D (Peabody Drive), authorized by Board of Trustees resolution dated October 21, 1959.

Purchase

\[
\begin{array}{ccc}
\text{§} & 484 000 & \text{U. S. bills} & 9/8/60 & \text{§} 478 857 09 \\
207 000 & \text{U. S. bills} & 10/17/60 & 203 994 82 \\
\end{array}
\]

Assembly Hall Revenue Bonds, authorized by Board of Trustees resolution dated June 23, 1959.

Purchase

\[
\begin{array}{ccc}
\text{§} & 444 000 & \text{U. S. bills} & 6/22/60 & \text{§} 439 730 90 \\
521 000 & \text{U. S. bills} & 9/1/60 & 518 540 39 \\
110 000 & \text{U. S. bills} & 10/17/60 & 108 353 06 \\
522 000 & \text{U. S. certificates} & 4\% & 11/15/60 & 524 426 25 \\
\end{array}
\]
Housing Revenue Bonds of 1959 Series A (Graduate Housing Equipment), authorized by Board of Trustees resolution dated June 23, 1959.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase</td>
<td>40,000</td>
<td>6/16/60</td>
<td></td>
<td>39,912 17</td>
</tr>
<tr>
<td>Purchase</td>
<td>37,000</td>
<td>7/7/60</td>
<td></td>
<td>36,847 68</td>
</tr>
<tr>
<td>Purchase</td>
<td>21,000</td>
<td>8/11/60</td>
<td></td>
<td>20,835 57</td>
</tr>
</tbody>
</table>

Housing Revenue Bonds of 1959 Series B (Graduate Housing Construction), authorized by Board of Trustees resolution dated June 23, 1959.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sale</td>
<td>715,000</td>
<td>5/15/60</td>
<td>4 3/4 %</td>
<td>715,335 15</td>
</tr>
<tr>
<td>Purchase</td>
<td>95,000</td>
<td>6/16/60</td>
<td></td>
<td>94,726 61</td>
</tr>
<tr>
<td>Purchase</td>
<td>187,000</td>
<td>7/13/60</td>
<td></td>
<td>186,556 65</td>
</tr>
<tr>
<td>Purchase</td>
<td>180,000</td>
<td>8/15/60</td>
<td>4 3/4 %</td>
<td>180,597 50</td>
</tr>
</tbody>
</table>

Housing Revenue Bonds of 1958 (120 Units), authorized by Board of Trustees resolutions dated December 17, 1958, and March 12, 1959.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase</td>
<td>41,000</td>
<td>5/19/60</td>
<td></td>
<td>40,881 73</td>
</tr>
<tr>
<td>Purchase</td>
<td>22,000</td>
<td>7/15/60</td>
<td></td>
<td>21,968 83</td>
</tr>
</tbody>
</table>

Men's Residence Halls Revenue Bonds of 1957, authorized by Board of Trustees resolution dated March 12, 1957.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase</td>
<td>75,000</td>
<td>5/12/60</td>
<td></td>
<td>74,842 50</td>
</tr>
<tr>
<td>Purchase</td>
<td>75,000</td>
<td>6/16/60</td>
<td></td>
<td>74,814 06</td>
</tr>
<tr>
<td>Purchase</td>
<td>75,000</td>
<td>7/15/60</td>
<td></td>
<td>74,900 83</td>
</tr>
</tbody>
</table>

Women's Residence Halls Revenue Bonds of 1956, authorized by Board of Trustees resolution dated September 18, 1956.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase</td>
<td>29,000</td>
<td>5/26/60</td>
<td></td>
<td>28,939 10</td>
</tr>
<tr>
<td>Purchase</td>
<td>28,000</td>
<td>6/22/60</td>
<td></td>
<td>27,951 70</td>
</tr>
<tr>
<td>Purchase</td>
<td>29,000</td>
<td>7/15/60</td>
<td></td>
<td>28,986 94</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase</td>
<td>12,000</td>
<td>5/19/60</td>
<td></td>
<td>11,975 25</td>
</tr>
<tr>
<td>Purchase</td>
<td>12,000</td>
<td>6/23/60</td>
<td></td>
<td>11,970 25</td>
</tr>
<tr>
<td>Purchase</td>
<td>13,000</td>
<td>7/15/60</td>
<td></td>
<td>12,986 10</td>
</tr>
</tbody>
</table>

Sinking Funds

Housing Revenue Bonds of 1960 Series A (Orchard Downs), authorized by Board of Trustees resolution dated June 14, 1960.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase</td>
<td>102,000</td>
<td>9/15/60</td>
<td></td>
<td>101,558 00</td>
</tr>
<tr>
<td>Purchase</td>
<td>207,000</td>
<td>1/15/61</td>
<td></td>
<td>204,102 00</td>
</tr>
</tbody>
</table>

CHICAGO

Dentistry-Medicine-Pharmacy Building Revenue Bonds Auxiliary Account, authorized by Board of Trustees resolution dated December 16, 1953.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase</td>
<td>69,000</td>
<td>8/11/60</td>
<td></td>
<td>69,514 00</td>
</tr>
</tbody>
</table>

Beneficial Interest in Trust Navy Pier Escrow Account

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount (USD)</th>
<th>Date</th>
<th>Rate (%)</th>
<th>Amount (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exchange</td>
<td>140,000</td>
<td>2/15/61</td>
<td>3 3/4 %</td>
<td>140,000</td>
</tr>
<tr>
<td>Exchange</td>
<td>140,000</td>
<td>2/15/61</td>
<td>4 1/8 %</td>
<td>140,000</td>
</tr>
</tbody>
</table>

This report was presented by Mr. Swain, Chairman of the Finance Committee, and was received for record.
SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) fellows; (3) graduate fellows; (4) resignations and declinations; (5) leaves of absence; (6) changes in 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 = Extension.)

ABAMEK, EDWARD G., Visiting Lecturer in Education, June 20-August 13, 1960, $1,600 (7-7-60).

ADAMS, JACK A., Associate Professor of Psychology, two months from June 16, 1960, $1,022.22 a month; this is in addition to his present appointment (6-9-60).

APUSO, CHUSHIN, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $144.44 a month (6-4-60).

AFUSO, CHUSHIN, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $444.44 a month (6-4-60).

AKIN, CAVIT, Assistant in Food Technology (S), June 15-August 31, 1960, $366.66 a month, supersedes (7-2-60).

ALPERT, NORMAN R., Associate Professor of Physiology (Medicine) and Coordinator of Medical Education for National Defense, two months from July 1, 1960, $2,255.54 (6-24-60).

ANDERSON, DONALD J., Research Assistant in Chemistry, two months from June 16, 1960, $400 a month (6-3-60).

ANDERSON, JOHN F., Research Assistant in Entomology, June 16-August 22, 1960, $900 (6-18-60).

ANDREWS, MARGARET E., Visiting Lecturer in Business Education, Summer Session of 1960, June 20-July 1, 1960, $600 for the period (6-13-60).

ARMATO, ROSARIO P., Assistant in English, nine months from September 16, 1960, $3,800 (6-14-60).

AUD, ANDRE, Research Associate in Civil Engineering (S), academic year beginning September 1, 1960, $5,400 (6-14-60).

AZUMA, HIROSHI, Research Assistant in the Bureau of Educational Research, two months from June 1, 1960, $400 a month, supersedes (6-15-60).

BADGER, PARKER H., Lecturer in Mechanical Engineering (C), academic year beginning September 1, 1960, $7,000 (6-14-60).

BAER, JEAN H., Administrative Assistant in the Student Counseling Service and Assistant Professor of Education, Division of Social Sciences (Chicago Undergraduate Division), one year from September 1, 1960, $10,000 (6-17-60).

BAERWALD, JOHN E., Associate Professor of Traffic Engineering (Civil Engineering) (C), two months from June 16, 1960, $1,000 a month; this is in addition to his present appointment (6-7-60).

BAKER, ROBERT H., Visiting Lecturer in University Theater and Summer Youth Program, Summer Session of 1960, June 20-August 13, 1960, $1,500 for the period (6-7-60).

BALLUFFI, ROBERT W., Associate Professor of Mining and Metallurgy and of Physics (Department of Physics) (C), two months from June 16, 1960, $1,022.22 a month; this is in addition to his present appointment (7-2-60).


BANKS, EDMUND M., Research Assistant Professor in the Division of General Studies, June 20-August 13, 1960, $771.50 a month; this is in addition to his present appointment (6-4-60).

BARRER, HOLLIS H., Professor of Political Science (Chicago Undergraduate Division), Summer Session of 1960, 1/2 time, June 20-August 13, 1960, $1,189 for the period (6-13-60).

BARKHILL, JACOB G., Instructor in Accountancy, academic year beginning September 1, 1960, $4,700 (6-17-60).

BARRON, SAMUEL H., Clinical Assistant Professor of Pediatrics (Medicine), 1/4 time, July 1, 1960-March 31, 1961, $206.33 a month, supersedes (7-11-60).

BAU, GOMBRA L., Research Associate in Chemistry, one year from September 1, 1960, $5,500 (6-18-60).
BATEMAN, PAUL T., Professor of Mathematics, two months from June 16, 1960, $2,444.44; this is in addition to his present appointment and supersedes his appointment dated April 4, 1960 (7-12-60).

BAUER, FREDERICK G., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1960, June 20-August 13, 1960, $1,512 for the period, supersedes his previous Summer Session appointment (6-14-60).

BEERMAN, MAX, Professor of Education, June 20-August 13, 1960, $3,267; this is in addition to his present appointment (7-2-60).

BECKER, WESLEY C., Assistant Professor of Psychology, ½ time, June 16-August 15, 1960, $416.67 a month; this is in addition to his present appointment and to his Summer Session appointment (6-8-60).


BERANDO, JOSEPH S., Acting Vice-President in charge of the Chicago Professional Colleges, beginning June 20, 1960, and continuing until further notice, $100 a month; this is in addition to his appointment as Assistant to the President (6-30-60).

BELFORD, R. LINN, Assistant Professor of Physical Chemistry (Aeronautical Engineering) (C), two months from June 16, 1960, $766.6/ a month; this is in addition to his present appointment (6-17-60).

BENDEL, ROBERT, Research Assistant in Botany, two months from June 16, 1960, $400 a month (6-3-60).

BENNETT, PHILIP E., Instructor in Theoretical and Applied Mechanics (C), ½ time, academic year beginning September 1, 1960, $3,600 (6-14-60).

BERGERON, CLIFTON G., Research Associate in Ceramic Engineering (S), three months from June 1, 1960, $791.66 a month (6-15-60).

BERREY, EDWARD S., Jr., Instructor in Brass (Music), Summer Session of 1960, 40/100 time, June 19-July 23, 1960, $375 for the period (6-18-60).

BLACK, LINDSAY M., Research Professor of Botany, two months from June 16, 1960, $1,444 a month; this is in addition to his present appointment (7-5-60).

BOBREN, HOWARD M., Research Associate in the Institute of Communications Research (College of Journalism and Communications and Graduate College), July 1, 1960-August 31, 1961, $6,000 a year (6-9-60).

BOCKOFF, ALEXANDER, Research Associate in Physiology, one month from June 1, 1960, $500 (6-3-60).

BOUC, CHARLES A., Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1960, $6,000, superseded (7-5-60).

BOWER, JOHN E., Jr., Instructor in Theoretical and Applied Mechanics (C), ½ time, academic year beginning September 1, 1960, $2,700 (6-9-60).

BOYLE, THOMAS E., Assistant in English, nine months from September 16, 1960, $4,000 (6-4-60).

BRISCOE, JOHN W., Professor of Civil Engineering and Associate Head of the Department (C), June 16-June 30, 1960, full time, $383.33 for the period; July 16-August 15, 1960, ½ time, $375 for the period; and September 1-15, 1960, full time, $383.33 for the period; this is in addition to his present appointment (6-3-60) and in the Summer Session of 1960, ½ time, July 18-August 13, 1960, $292 for the period (6-17-60).

BROOKE, JOHN W., Visiting Lecturer in Education, June 20-July 16, 1960, $900 (7-7-60).

BROWN, O. ROBERT, Jr., Research Assistant in Education (University High School), nine months from September 16, 1960, $4,800 (6-14-60).

BROWN, ROGER K., Instructor in Education, July 18-August 13, 1960, $850; this is in addition to his present appointment (6-17-60).

BROWN, THEODORE L., Research Assistant Professor of Chemistry, two months from June 16, 1960, $778 a month; this is in addition to his present appointment (6-8-60).

BRUCKNER, WALTER H., Professor of Metallurgical Engineering (Mining and Metallurgical Engineering) (C), two months from June 16, 1960, $1,066.66 a month; this is in addition to his present appointment (7-2-60).

BUCKALEW, EVELYN H., Assistant in English, nine months from September 16, 1960, $3,800 (6-21-60).

BUNN, MARY L., Assistant in Library Science, Summer Session of 1960, June 20-August 13, 1960, $834 for the period (6-27-60).
BURNS, KENNETH, Assistant Professor of Speech, Summer Session of 1960, June 20-August 13, 1960, $1,445 for the period, supersedes his previous Summer Session appointment (6-28-60).

BURRETT, RICHARD C., Research Assistant in Psychology, two months from June 16, 1960, $400 a month (6-9-60).

BUSCH, MARYJOE A., Assistant in Occupational Therapy (Medicine), two months from July 1, 1960, $5,150 a year, and for one year from September 1, 1960, $5,300 (7-11-60).

BYNG, DENNIS E., Instructor in Art, academic year beginning September 1, 1960, $5,600 (6-14-60).

CAPEK, RAYMOND G., Research Assistant in Ceramic Engineering (S), June 16-August 31, 1960, $500 a month (6-20-60).

CATTELL, RAYMOND B., Research Professor of Psychology, two months from June 16, 1960, $1,444.44 a month; this is in addition to his present appointment (6-8-60).

CHAPMAN, ORVILLE L., Visiting Lecturer in Chemistry, Summer Session of 1960, June 20-August 13, 1960, $1,500 for the period (6-10-60).

CHATTERJEE, BISHWA B., Research Assistant in the Bureau of Educational Research, full time for two months from June 1, 1960, $366.66 a month, and ½ time for one month from August 1, 1960, $183.33, supersedes (6-3-60).

CHAPIN, WILMON R., Research Assistant in Chemistry, June 16-July 31, 1960, $400 a month (6-18-60).

CHOW, WE N LUNG, Research Associate Professor of Mechanical Engineering (C), ½ time, June 16-August 15, 1960, $593; this is in addition to his present appointment and to his Summer Session appointment (6-21-60).

CHUANG, YAO HUANG, Assistant in Prices and Statistics (Agricultural Economics) (S), two months from July 1, 1960, $444.44 a month (7-2-60).

CLAYTON, MRS. SUZANNE N., Rare Book Room Assistant in the Library, one year from September 1, 1960, $5,200 (6-18-60).

COBIN, MARTIN T., Associate Professor of Speech, two months from July 1, 1960, $333.33 a month; this is in addition to his present appointment (7-2-60).

COOGNS, WILLIS, Assistant Professor of Woodwinds (Music), Summer Session of 1960, 45/100 time, June 19-July 23, 1960, $400 for the period (6-17-60).

CULBERTSON, DON S., Assistant Serials and Acquisitions Librarian, with rank of Instructor (Chicago Undergraduate Division), one year from September 1, 1960, $7,000 (6-14-60).

CUTLER, DONALD S., Assistant Serials and Acquisitions Librarian, with rank of Instructor (Chicago Undergraduate Division), one year from September 1, 1960, $3,500 (6-17-60).

DANZER, ALBERT, Research Assistant in Biological Chemistry (Medicine), June 15-August 31, 1960, $366.66 a month, supersedes (7-2-60).

DANZER, ELLIS, Professor of Highway Engineering (Civil Engineering) (C and S), ½ time, June 16-August 31, 1960, $800 a month, and full time, September 1-15, 1960, $722.22; this is in addition to his present appointment (6-3-60).
DE LA TORRE, LUIS, Research Associate in Cytology (Dairy Science) (S), July 1, 1960-August 31, 1961, $6,400 a year (6-14-60).

DE MESSO, RALPH D., Professor of Microbiology, two months from June 16, 1960, $1,155.56 a month; this is in addition to his present appointment (6-15-60).

DENNY, TERRY, Research Associate in Education, ½ time, June 20-August 13, 1960, $600 (6-24-60).

DICKERSON, DONALD R., Special Associate Chemist, State Geological Survey, three months from July 1, 1960, $592 a month (6-16-60).

DILLMAN, PHILLIP, Assistant in English, nine months from September 16, 1960, $3,800 (6-14-60).

DONATH, RUDOLF, Research Assistant in Medicine (Medicine), one year from July 1, 1960, without salary (6-17-60).

DRAKE, JOHN W., Assistant Professor of Microbiology, two months from June 16, 1960, $855.55 a month; this is in addition to his present appointment (6-17-60).

DREXLER, HAROLD A., Assistant Professor of Clinical Dentistry (Admitting Clinic) (Dentistry), ½ time, one year from September 1, 1960, $4,000 (6-25-60).

DULANY, DONELSON E., Jr., Associate Professor of Psychology, two months from June 16, 1960, $666.67 a month; this is in addition to his present appointment (6-8-60).

EDMONSON, HAROLD S., Visiting Lecturer in Speech and Supervisor of Clinicians in the Summer Residential Clinic, Summer Session of 1960, June 20-August 13, 1960, $1,600 for the period (6-28-60).

EDERS, KENNETH W., Associate Professor of Psychology, Division of Social Sciences, on indefinite tenure, and Research Counselor in the Student Counseling Service (Chicago Undergraduate Division), one year from September 1, 1960, $11,000 a year (6-17-60).

ELLER, MRS. MARY J., University High School Librarian, with rank of Instructor (Library), one year from September 1, 1960, $6,000 (6-15-60).

EISSLER, ROBERT L., Associate Chemical Engineer (Mining and Metallurgical Engineering) (C), June 16-30, 1960, and July 1-15, 1960, $642 (6-20-60).

ELLER, L. PATRICIA, Architecture Library Assistant (Library), one year from September 1, 1960, $5,200 (6-11-60).

ELIISON, FRED P., Associate Professor of Spanish (Education), ½ time, June 20-August 13, 1960, $834; this is in addition to his present appointment (6-8-60).

EMERY, WILFRED L., Professor of Electrical Engineering, in the Indian Institute of Technology, Kharagpur, India, June 16-August 31, 1960, $1,225 a month; this is in addition to his present appointment; and one year from September 1, 1960, $16,100 (6-9-60).

EPSTEIN, WILLIAM W., Research Associate in Chemistry, one year from September 1, 1960, $5,500 (6-9-60).

FRIEDLANDER, CHARLES W., Professor of Psychology, two months from June 16, 1960, $1,033.33 a month; this is in addition to his present appointment (6-8-60).

FRIEDLANDER, BEN B., Associate Professor of Sanitary Engineering (Civil Engineering) (S), two months from June 16, 1960, $922.22 a month; this is in addition to his present appointment (6-7-60).

FEINSTEIN, IRWIN K., Associate Professor of Education, Summer Session of 1960, June 20-July 16, 1960, $845 for the period (6-20-60).

FELTNER, CHARLES E., Instructor in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1960, $5,400 (6-17-60).

Ferguson, Jane, Research Assistant in the Institute for Research on Exceptional Children, June 13-August 5, 1960, $1,000 (6-3-60).

FIEDLER, FRED E., Associate Professor of Psychology, two months from June 16, 1960, $988.89 a month; this is in addition to his present appointment (6-8-60).

FLAX, JO ANN, Assistant Dean of Women, one year from September 1, 1960, $6,500 (6-14-60).

FLORES, JOSEPH S., Associate Professor of Spanish (Education), ½ time, June 20-August 13, 1960, $1,000; this is in addition to his present appointment (6-8-60).

FLORES, JOSEPH S., Associate Professor of Spanish (Education), ½ time, June 20-August 13, 1960, $1,000; this is in addition to his present appointment (6-8-60).

FLORENZ, LEO W., Research Assistant in Nuclear Engineering (Mechanical and Industrial Engineering) (C), June 16-August 31, 1960, $1,111.11 (6-9-60).
FOOTE, MRS. BEVERLY V. D., Assistant in Agronomy (S), two months from June 16, 1960, $400 a month (6-25-60).

FOULK, CLINTON R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $488.88 a month (6-4-60).

FRANK, JAMES L., Instructor in Full and Removable Partial Dentures and in Administration (Dentistry), one year from September 1, 1960, $7,500 (6-25-60).

FRANKMANN, RAYMOND W., JR., Assistant Professor of Psychology, two months from July 1, 1960, $733.33 a month; this is in addition to his present appointment (6-8-60).

FRAUENFELDER, HANS, Professor of Physics (C), two months from June 16, 1960, $1,444.44 a month; this is in addition to his present appointment (6-27-60).

FREEDMAN, MORRIS D., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $444.44 a month (6-4-60).

FRENCH, JAMES L., Instructor in Mechanical Engineering (C), 1/2 time, academic year beginning September 1, 1960, $1,500; this is in addition to his appointment as Engineering Faculty Development Fellow (6-17-60).

FRIEDBERG, ARTHUR L., Professor of Ceramic Engineering (C), two months from June 16, 1960, $1,222.22 a month; this is in addition to his present appointment (6-3-60).

FRIEDERICH, ALLAN G., Associate Professor of Mechanical Engineering (Civil Engineering) (C), two months from June 16, 1960, $800 a month; this is in addition to his present appointment (6-27-60).

GAITHER, ROBERT B., Instructor in Mechanical Engineering (C), 1/5 time, academic year beginning September 1, 1960, $3,720, supersedes (6-17-60).

GAITHER, ROBERT B., Instructor in Mechanical Engineering (C), 1/5 time, academic year beginning September 1, 1960, $1,500; this is in addition to his appointment as Engineering Faculty Development Teaching Fellow in Mechanical Engineering (6-11-60).

GAZDA, GEORGE, Assistant Professor of Education, 1/5 time, June 20-August 13, 1960, $723; this is in addition to his regular appointment and to his Summer Session appointment (6-7-60).

GILMORE, THOMAS B., Assistant in English, nine months from September 16, 1960, $3,800 (6-21-60).

GLASER, DANIEL, Associate Professor of Sociology, two months from June 16, 1960, $938.89 a month; this is in addition to his present appointment (6-1-60).

GOODWIN, HAROLD A., Research Associate in Chemistry, two months from September 1, 1960, $500 a month (6-18-60).

GOODWIN, HARRY C., Research Assistant in Astronomy, two months from July 1, 1960, $400 a month (5-31-60).

GOURISHANKAR, V., Research Associate in Clinical Science (Medicine), three months from June 1, 1960, $1,556; this is in addition to his present appointment (5-27-60).

GRAEBNER, NORMAN A., Professor of History, 1/5 time, indefinite tenure, and Associate Member of the Center for Advanced Study (Graduate College), 1/5 time, one year from September 1, 1960, to render service during the academic year, $13,500 a year (6-17-60).

GRANT, E. RHODA, Research Associate in Geology, June 20-August 13, 1960, $800 (6-27-60).
GRAY, ROBERT F., Visiting Associate Professor of Anthropology, nine months from September 16, 1960, $8,000 (6-21-60).

GREENBERG, RUVEN, Associate Professor of Physiology (Medicine), two months from June 16, 1960, $2,366.66; this is in addition to his present appointment (7-2-60).

GRICE, G. ROBERT, Professor of Psychology, two months from June 16, 1960, $1,155.56 a month; this is in addition to his present appointment (6-8-60).

GRIFFITH, MARY E., Assistant in Education (University High School), nine months from September 16, 1960, $4,700 (6-11-60).

GRUPE, HAROLD E., Research Assistant in Oral Pathology (Dentistry), July 1, 1960-August 31, 1961, $4,650 a year (7-2-60).

GUECKEL, HENRY, Research Assistant in the Digital Computer Laboratory, June 16-August 31, 1960, $444.44 a month (5-27-60).

GUILLOU, JOHN C, Associate Professor of Hydraulic Engineering (Civil Engineering) (C), one month from July 1, 1960, $966.67; this is in addition to his present appointment (6-10-60).

GUUTH, SHERMAN L., Research Assistant in Psychology, two months from June 16, 1960, $400 a month (6-9-60).

GUTOWSKY, HERBERT S., Research Professor of Chemistry, two months from June 16, 1960, $1,889 a month; this is in addition to his present appointment (7-2-60).

HAAN, ROBERT L., Instructor in History, academic year beginning September 1, 1960, $6,000 (6-14-60).

HAERTLING, GENE H., Research Assistant in Ceramic Engineering (S), June 16-August 31, 1960, $500 a month (6-20-60).

HAKE, HAROLD W., Associate Professor of Psychology, two months from June 16, 1960, $1,022.22 a month; this is in addition to his present appointment (6-8-60).

HALL, B. VINCENT, Research Professor of Zoology, two months from June 16, 1960, $1,078 a month; this is in addition to his present appointment (5-27-60).

HALL, BENJAMIN D., Research Assistant Professor of Chemistry, two months from June 16, 1960, $733.50 a month; this is in addition to his present appointment (6-8-60).

HALL, GEORGE F., Assistant in Agronomy (S), June 16-August 31, 1960, $400 a month (6-25-60).


HART, ALICE G., Visiting Lecturer in Education, June 20-September 2, 1960, $1,375 (6-22-60); and Research Associate in Mathematics, academic year beginning September 1, 1960, $6,500 (6-17-60).

HARVEY, ROBERT O., Professor of Finance, two months from June 16, 1960, $2,377.77; this is in addition to his present appointment (7-2-60).

HATCH, GAYLORD F., Assistant in History of Civilization (Division of General Studies), nine months from September 16, 1960, $4,500 (6-20-60).

HAUGHT, CONNOR F., Instructor in Electrical Engineering (C), ½ time, academic year beginning September 1, 1960, $2,600 (6-11-60).

HEILMAN, ANN E., Visiting Lecturer in Social Sciences (Chicago Undergraduate Division), Summer Session of 1960, ½ time, June 20-August 13, 1960, $984 for the period (6-24-60).

HEINS, ARTHUR J., Instructor in Finance, academic year beginning September 1, 1960, $7,250 (6-13-60).

HILLER, ALEX, Associate Professor of Mathematics, June 15-August 24, 1960, $2,125; this is in addition to his present appointment (6-1-60).

HEINZERLING, W. M., Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1960, ½ time, June 20-August 13, 1960, $852 for the period (6-13-60).
HENDRICKS, CHARLES D., JR., Associate Professor of Electrical Engineering (C), one month from June 16, 1960, $1,000; this is in addition to his present appointment (5-27-60).

HENRY, JOHN A., Counselor in the Student Counseling Service (Provost's Office), one month from August 1, 1960, $1,067; this is in addition to his present appointment (5-31-60).

HERRIN, MORELAND, Associate Professor of Civil Engineering (S), two months from July 1, 1960, $955.55 a month; this is in addition to his present appointment (5-27-60).

HILL, DIETRICH A., Assistant in English, nine months from September 16, 1960, $1,200; this is in addition to his present appointment (5-14-60).

HILL, ROBERT D., Professor of Physics (C), one month from August 1, 1960, $1,200; this is in addition to his present appointment (5-27-60).

HOCHEISTEIN, LAWRENCE I., Instructor in Microbiology (Medicine), one year from September 1, 1960, $7,600 (6-14-60).

HOLDEN, THOMAS L., Assistant Professor of Woodwinds (Music), Summer Session of 1960, ½ time, June 19-July 23, 1960, $400 for the period (6-17-60).

Hsu, Yu Kao, Research Assistant in Aeronautical Engineering (C), two months from June 16, 1960, $422.22 a month (6-18-60).

HUANG, EUGENE Y., Associate Professor of Civil Engineering (S), two months from July 1, 1960, $833.33 a month; this is in addition to his present appointment (5-27-60).

HUFFORD, LYLE E., Research Assistant in Psychology, two months from June 16, 1960, $400 a month (6-9-60).

HULSIZER, ROBERT L., Professor of Physics (C), June 16-July 31, 1960, and September 1-15, 1960, $1,333.33 a month; this is in addition to his present appointment (5-27-60).

HUMMEL, JOHN P., Assistant Professor of Physics (C), two months from June 16, 1960, $822.22 a month; this is in addition to his present appointment (5-27-60).

HUMPHREYS, LLOYD G., Professor of Psychology, two months from June 16, 1960, $1,555.56 a month; this is in addition to his present appointment (6-6-60).

HUNT, J. M., Professor of Psychology, two months from June 16, 1960, $1,555.56 a month; this is in addition to his present appointment (6-6-60).

HUTTON, CHARLES L., JR., Assistant Professor of Speech and Supervisor of Clinicians in the Summer Residential Clinic, Summer Session of 1960, June 20-August 13, 1960, $1,512 for the period, supersedes his previous Summer Session appointment (6-28-60).

IHRIG, H. KARL, JR., Lecturer in Mechanical Engineering (C), ¼ time, academic year beginning September 1, 1960, $1,650; this is in addition to his appointment as Ford Foundation Fellow in Mechanical Engineering (6-17-60).

INGLE, LESTER, Professor of Zoology, two months from June 16, 1960, $1,055 a month; this is in addition to his present appointment (6-6-60).

IRELAND, HERBERT O., Professor of Civil Engineering (C), ½ time, two months from June 16, 1960, $516.67 a month; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).

JACKSON, JOHN D., Professor of Physics (C), June 16-July 31, 1960, and September 1-15, 1960, $1,533.33 a month; this is in addition to his present appointment (5-27-60).

JACKSON, JOSEPH F., Professor of French, 32/100 time, June 20-August 13, 1960, $800; this is in addition to his present appointment (5-31-60).

JACobs, Lester, Assistant Professor of Clinical Dentistry (Admitting Clinic) (Dentistry), 3/10 time, one year from September 1, 1960, $2,400 (6-25-60).

Jager, Virginia S., Research Assistant in Chemistry, May 16-August 31, 1960, $391.67 a month (5-25-60); and for one year from September 1, 1960, $4,700 (6-21-60).

JAMES, ROBERT W., Associate Professor of Sociology, two months from June 16, 1960, $950 a month; this is in addition to his present appointment (7-2-60).

JENKINS, JOHNIE N., Research Associate in Agronomy (S), June 16-August 31, 1960, $5,600 a year (6-25-60).

JENSEN, JAY W., Associate Professor of Journalism and Head of the Department (Journalism and Communications), indefinite tenure from September 1, 1960, to render service during each academic year, $12,000 a year (6-14-60).
JERSILD, RALPH A., Jr., Research Assistant in Zoology, two months from July 16, 1960, $400 a month (6-3-60).

JOHNSON, CHARLES E., Associate Professor of Education, ½ time, June 20-August 13, 1960, $945; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).

JOHNSON, NOEL H., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $466.66 a month, supersedes (7-7-60).

JOHNSON, WILLIAM H., Assistant Professor of Animal Science (S), two months from July 1, 1960, $822.22 a month; this is in addition to his present appointment (5-27-60).

KAMMEYER, PATTY H., Research Assistant in Chemistry, two months from June 16, 1960, $400 a month (5-27-60).

KAPPAUF, WILLIAM E., Professor of Psychology, two months from June 16, 1960, $1,366.67 a month; this is in addition to his present appointment (6-8-60).

KARGE, JOSEPH R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $422.22 a month (6-4-60).

KARLOWICH, ROBERT A., Bibliographer, with rank of Instructor, in the Library, one year from September 1, 1960, $7,800 (6-15-60).

KAPELUS, MARTIN, Research Associate Professor of Chemistry, two months from June 16, 1960, $889 a month; this is in addition to his present appointment (7-11-60).

KEENAX, DOROTHY, Assistant in Education, Summer Session of 1960, June 20-July 16, 1960, $500 for the period; this is in addition to her Summer Session appointment (6-28-60).

KELLER, ROY J., Assistant in Education (University High School), nine months from September 16, 1960, $5,000 (6-17-60).

KEMP, JOAN, Assistant in Physical Education for Women, nine months from September 16, 1960, $5,500 (6-14-60).

KESLER, CLYDE E., Professor of Theoretical and Applied Mechanics (C), ½ time, two months from June 16, 1960, $833.25 a month; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).

KHEFTY, ARUN K., Research Assistant in Chemistry, two months from June 16, 1960, $400 a month (6-9-60).

KIENT, GERALD A., Instructor in Pharmacology (Medicine), two months from July 1, 1960, $800 a month (7-11-60).

KIMBROUGH, JOSE A., Assistant in English, nine months from September 16, 1960, $3,800 (6-14-60).

KENNEY, PAUL T., Assistant Professor of Finance, June 16-August 31, 1960, $822 a month; this is in addition to his present appointment (6-24-60).

KOBAN, CHARLES, Assistant in English, nine months from September 16, 1960, $3,800 (6-14-60).

KODELL, JAMES S., Professor of Physics (C), two months from June 16, 1960, $1,444.44 a month; this is in addition to his present appointment (5-27-60).

KOHLBECKER, EUGENE, Visiting Assistant Professor of Mathematics, academic year beginning September 1, 1960, $7,800 (5-31-60).

KOKKOTAKIS, NICK A., Research Assistant in Physics (C), May 25-August 31, 1960, $420 a month, supersedes (6-1-60).

KOLB, PHILIP, Professor of French, ½ time, on indefinite tenure, and Associate Member of the Center for Advanced Study (Graduate College), ½ time, one year from September 1, 1960, to render service during each academic year, $12,000 a year (6-11-60).

KONZ, STEPHAN, Instructor in Mechanical Engineering (C), academic year beginning September 1, 1960, $6,000 (6-17-60).

KORMENDY, CHARLES G., Research Assistant in Chemistry (Pharmacy), June 16, 1960-August 31, 1961, $4,800 a year (6-14-60).

KRUSE, ULRICH E., Assistant Professor of Physics (C), two months from June 16, 1960, $922 a month; this is in addition to his present appointment (5-27-60).

KUNITHE, TOSHIRO, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $422.22 a month (5-27-60).
LAHTINEN, HERBERT A., Research Professor of Chemistry, on 1/2 time, one month from June 16, 1960, $834; this is in addition to his present appointment (5-27-60); and Professor of Analytical Chemistry, indefinite tenure beginning September 1, 1960, to render service during each academic year, $17,500 a year (6-27-60).

LAMBRAXIS, HELEN, Research Assistant in Sociology, one month from June 16, 1960, $400 (7-2-60).

LAMKIN, GLENNIA H., Assistant Professor of Home Economics, Summer Session of 1960, 1/2 time, June 20-July 16, 1960, $334 for the period, supersedes her previous Summer Session appointment (7-2-60).

LANHUR, JOSEPH P. F., Instructor in Physical Education for Men, 1/2 time, academic year beginning September 1, 1960, $2,450 (6-15-60).

LANGHAAR, HENRY L., Professor of Theoretical and Applied Mechanics, in the Indian Institute of Technology, Kharagpur, India, June 16 through August 31, 1960, $1,680 a month; this is in addition to his present appointment; and beginning September 1, 1960, and continuing through July 31, 1961, $20,820 a year (6-9-60).

LAWRENCE, JOHN R., Research Professor of Botany, two months from June 16, 1960, $1,444 a month; this is in addition to his present appointment (7-2-60).

LAVATTE, LEO, Professor of Physics (C), two months from June 16, 1960, $1,055.55 a month; this is in addition to his present appointment (5-27-60).

LAZARUS, DAVID, Professor of Physics (C), July 1-31, 1960, and August 15-September 15, 1960, $1,111.11 a month; this is in addition to his present appointment (5-27-60).

LEDET, DAVID A., Assistant Professor of Music, Summer Session of 1960, June 20-August 13, 1960, $1,356 for the period, supersedes his previous Summer Session appointment (6-17-60).

LEEDOM, JOHN M., Research Assistant in Medicine (Medicine), one year from July 1, 1960, $4,650 (6-17-60).

LEHMANN, WILMA R., Research Assistant in Zoology, one month from June 16, 1960, $400 (5-27-60).

LEIGH, ROBERT D., Assistant in Physical Education for Men, nine months from September 16, 1960, $3,200 (6-13-60).

LEPPERT, ELLA, Associate Professor of Education, Summer Session of 1960, June 20-July 30, 1960, $1,459 for the period (6-28-60).

LIRCH, HAROLD H., Assistant in Education, July 18-August 13, 1960, $3,800 (6-14-60).

LITZ, WILLIE N., Assistant Professor of English (Chicago Undergraduate Division), academic year beginning September 1, 1960, $6,700 (6-14-60).

LIU, CHAO-NING, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $466.66 a month (5-27-60).

LIU, HAO WEN, Research Assistant Professor of Theoretical and Applied Mechanics (C), academic year beginning September 1, 1960, $6,600 (6-18-60).

LOVE, WILLIE N., Assistant Professor of English (Chicago Undergraduate Division), academic year beginning September 1, 1960, $6,700 (6-14-60).

LOW, LEONE Y., Instructor in Mathematics, to render service during the first semester of the academic year, September 1, 1960-February 28, 1961, $500 a month (6-14-60).

LUX, DONALD G., Associate Professor of Education, University Council on Teacher Education (Teacher Training Counseling), 1/2 time, June 16-August 16, 1960, $1,355.55 a month; this is in addition to his present appointment (6-10-60).

LYMAN, ERNEST M. Research Professor in the Coordinated Science Laboratory (C), two months from June 16, 1960, $1,355.55 a month; this is in addition to his present appointment (6-10-60).
Lytton, Dale F., Research Assistant in Sociology, three months from June 16, 1960, $400 a month (6-3-60).

Macne, Xenia, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1960, $888.89 a month; this is in addition to his present appointment (6-24-60).

Madsen, Albert G., Assistant in Marketing (Agricultural Economics) (S), two months from July 1, 1960, $406.67 a month, supersedes (6-25-60).

Mann, Dennis K., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), 1/4 time, June 20-August 31, 1960, $362.50 a month; (7-2-60).

Marcher, Dillon E., Professor of Physics (C), two months from June 16, 1960, $1,111.11 a month; this is in addition to his present appointment (5-23-60).

Mar, Therese Ming-Chung, Research Assistant in Microbiology, two months from June 16, 1960, $400 a month (6-9-60).

Maryanov, Gerald S., Assistant Professor of Political Science, Summer Session of 1960, 1/2 time, June 20-August 13, 1960, $856 for the period (6-3-60).

Matchett, William H., Research Assistant in Botany, full time, two months from July 1, 1960, $410 a month; and 1/2 time, ten months from September 1, 1960, $265 a month (6-17-60).

Mattthyau, Sheinblatt, Research Associate in Chemistry, one year from September 1, 1960, $5,500 (6-18-60).

Maurer, Robert J., Professor of Physics and Acting Associate Head of the Department (C), June 16-30, 1960, and August 1-September 15, 1960, $1,622.22 a month; this is in addition to his present appointment (5-27-60).

Mayesse, George, Research Assistant in Psychology, two months from June 16, 1960, $400 a month (6-8-60).

McAllister, Walter G., Associate Professor of Psychology, Summer Session of 1960, 1/2 time, June 20-August 13, 1960, $856 for the period (7-2-60).

McDermid, Colin G., Research Assistant in Psychology, two months from June 16, 1960, $400 a month (6-8-60).

McDonald, Vincent J., Associate Professor of Civil Engineering (C), two months from June 16, 1960, $888.89 a month; this is in addition to his present appointment (5-27-60).

McFall, Robert L., Instructor in Agricultural Engineering (C and S), August 1, 1960-August 31, 1961, $5,800 a year (6-18-60).

McGuire, William J., Associate Professor of Psychology, two months from June 16, 1960, $866.67 a month; this is in addition to his present appointment (6-8-60).

McLain, Donald D., Jr., Research Associate in Botany, two months from June 16, 1960, $500 a month (7-2-60).

McMurray, Carl D., Research Assistant in Political Science, two months from June 16, 1960, $400 a month (6-3-60).

Melton, James O., Assistant in Agricultural Economics (S), two months from July 1, 1960, $900 (6-25-60).

Menachof, Irwin, Clinical Instructor in Ophthalmology (Medicine), July 1, 1960-August 31, 1961, without salary (6-14-60).

Mendel, Clifford W., Jr., Research Assistant in the Coordinated Science Laboratory (C), June 16-August 31, 1960, $440 a month, supersedes (6-20-60).

Merritt, J. Levering, Jr., Assistant Professor of Civil Engineering, 1/2 time, Summer Session of 1960, June 20-August 13, 1960, $384 for the period (6-10-60).

Metzger, Marvin, Associate Professor of Physical Metallurgy (Mining and Metallurgical Engineering) (C), two months from June 16, 1960, $986.66 a month; this is in addition to his present appointment (6-17-60).

Michel, Glen A. W., Research Associate in Chemistry, one year from September 1, 1960, $6,000 (6-14-60).

Miron, Murray S., Research Associate in the Institute of Communications Research, June 20-August 13, 1960, $667 a month; this is in addition to his present appointment (5-31-60).

Mitchell, Robert V., Research Professor of Geography, one month from July 1, 1960, $1,089; this is in addition to his present appointment (6-1-60).

Mon, Mehm Tin, Research Assistant in Chemistry, one month from June 16, 1960, $400 (5-31-60).
MONTY, JEANNE R., Instructor in French, academic year beginning September 1, 1960, $6,000 (6-21-60).

MORRELL, WALTER D., Acting Binding Librarian, with rank of Instructor, in the Library, July 1, 1960-August 31, 1961, $6,000 a year (6-25-60).

MORROW, JOEANN, Associate Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1960, $688.88 a month; this is in addition to his present appointment (6-27-60).

MORGAN, ROBERT J., Associate Professor of Civil Engineering (C), June 16-August 31, 1960, $944.44 a month; this is in addition to his present appointment (6-2-60).

MOSS, JAMES W., Research Associate in the Institute for Research on Exceptional Children, June 16-August 31, 1960, $700 a month (7-7-60).

MUNSE, WILLIAM H., Professor of Civil Engineering (C), 1/2 time, two months from June 16, 1960, $677.78 a month; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).

MURRAY, MRS. HELEN N., Visiting Lecturer in Education, Summer Session of 1960, June 20-August 13, 1960, $1,000 for the period (6-27-60).

NAKAZAWA, YASUO, Research Associate in Chemistry, one year from September 1, 1960, $5,600 (6-30-60).

NAMCLIS, U. STANLEY, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $422.22 a month (6-11-60).

NAKAZAWA, YASUO, Research Associate in Chemistry, one year from September 1, 1960, $5,600 (6-30-60).

NEWMARK, NATHAN M., Professor of Civil Engineering and Head of the Department (C), 1/2 time, one month from June 16, 1960, $1,625; this is in addition to his present appointment and to his Summer Session appointment (6-3-60).

NORTON, MRS. ELEANOR K., Visiting Lecturer in Education, Summer Session of 1960, June 20-July 16, 1960, $600 for the period (6-14-60).

O'CONNELL, JAMES S., Research Associate in Physics (C), three months from June 1, 1960, $541.66 a month, supersedes (6-10-60).

O'ELKE, LAWRENCE I., Professor of Psychology, two months from June 16, 1960, $1,366.67 a month; this is in addition to his present appointment (6-8-60).

O'KEELLY, LAWRENCE I., Professor of Psychology, two months from June 16, 1960, $1,366.67 a month; this is in addition to his present appointment (6-8-60).

OLSON, ARNE L., Instructor in Physical Education for Men, academic year from September 1, 1960, $5,500 (6-15-60).

ODELL, DOROTHY K., Instructor in Occupational Therapy (Medicine), one month from August 1, 1960, $512.50 (6-24-60).

O'MEALLY, JESSE, Research Associate in Education (University High School), one year from July 1, 1960, $7,800 (6-23-60).

PACHMUS, TEMIRA, Instructor in Russian, Summer Session of 1960, June 20-August 13, 1960, $1,445 for the period (6-3-60).

PADEN, DONALD W., Professor of Economics, June 16-August 3, 1960, $2,081 for the period; this is in addition to his present appointment (6-24-60).

PAPAGEORGIS, DEMETRIOS, Research Assistant in Psychology, one month from June 16, 1960, $1,000 for the period (6-3-60).

PARTCH, HARRY, Research Associate in Music, one year from June 16, 1960, $5,500 (6-25-60).

PAUL, LEWIN J., Jr., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1960, $422.22 a month (5-27-60).
PEPPER, ECHO D., Associate Professor of Mathematics, indefinite tenure beginning September 1, 1960, to render service during each academic year, $8,500 a year (6-15-60).

PETERS, MAX S., Professor of Chemical Engineering (S), two months from June 16, 1960, $1,389 a month; this is in addition to his present appointment (6-2-60).


PETTINGA, PAUL S., Counselor in the Student Counseling Service, two months from July 1, 1960, $1,089 a month; this is in addition to his present appointment (5-31-60).

PFALLER, MRS. SHIRLEY B., Research Assistant in Chemistry, two months from June 16, 1960, $400 a month (6-9-60).

PICKER, MARTIN, Instructor in Music, 1/3 time, Summer Session of 1960, June 20-August 13, 1960, $412 for the period (6-28-60).

PIGAGE, LEON C., Professor of Mechanical Engineering (C), 1/2 time, two months from June 16, 1960, $528 a month; this is in addition to his present appointment (5-27-60).

PLAMENAC, DRAGAN, Professor of Music, 1/2 time, Summer Session of 1960, June 20-August 13, 1960, $1,267 for the period, supersedes his previous Summer Session appointment (7-12-60).

PORTER, MAURICE G., Assistant Professor of Agricultural Law (Agricultural Economics) (C and S), 1/2 time, and of Civil Engineering (C), 1/2 time, academic year beginning September 1, 1960, $7,000 (6-24-60).

PROFF, FRED C., Assistant Professor of Education, June 20-August 13, 1960, $1,956; this is in addition to his present appointment (6-18-60).

ROEPEK, HOWARD G., Research Associate Professor of Geography, August 1-19, 1960, $555; this is in addition to his present appointment (6-1-60).

ROSE, S. MERYL, Research Professor of Zoology, two months from June 16, 1960, $1,411 a month; this is in addition to his present appointment (5-27-60).

ROSTAS, MRS. JOELLE, Research Assistant in Aeronautical Engineering (C), two months from June 16, 1960, $444 a month (6-18-60).
59 1960] UNIVERSITY OF ILLINOIS

Roffuno, Martin A., Recreation Director of the Speech-Summer Residential Program, ½ time, Summer Session of 1960, June 20-August 13, 1960, $175 for the period (7-2-60).

Ruffa, A. S., Associate Professor of Biological Sciences (Chicago Undergraduate Division), Summer Session of 1960, June 17-August 12, 1960, $1,956 for the period (6-24-60).

Rowe, Keith A., Research Assistant in Mathematics, June 16-August 15, 1960, $400 a month, supersedes his Summer Session appointment (6-8-60).

Rowe, William L., Instructor in Philosophy, academic year from September 1, 1960, $5,600 (6-16-60).

Ruppert, EVELYN, Research Assistant in the Institute for Research on Exceptional Children, June 13-August 5, 1960, $1,000 (6-3-60).

Rutter, William J., Research Assistant Professor of Chemistry, two months from June 16, 1960, $1,089 a month; this is in addition to his present appointment (6-8-60).

Sabine, Clark L., Instructor in Occupational Therapy (Medicine), three months from June 1, 1960, $491.69 a month (6-17-60).

Sapp, Dennis H., Research Assistant in the Small Homes Council—Building Research Council, two months from June 16, 1960, $960 a month (6-1-60).

Savitch, Gloria A., Research Assistant in the Institute for Research on Exceptional Children, June 15-August 31, 1960, $1,000 (7-20-60).

Schiefert, J. Robert, Assistant Professor of Physics (C), two months from June 16, 1960, $1,600; this is in addition to his present appointment (5-31-60).

Shaffer, Louis R., Instructor in Civil Engineering (C), two months from June 16, 1960, $689 a month; this is in addition to his present appointment (5-27-60).

Shaffer, Virginia F., Visiting Lecturer in Education, Summer Session of 1960, June 20-August 13, 1960, $1,200 for the period (6-10-60).

Sherwin, Chalmers W., Associate Director of the Coordinated Science Laboratory (C), two months from June 16, 1960, $1,555.55 a month; this is in addition to his present appointment (6-21-60).

Sherwood, Franklin B., Assistant in Food Technology (S), two months from July 1, 1960, $422.22 a month (5-31-60).

Shiner, Vernon J., Jr., Visiting Lecturer in Chemistry, Summer Session of 1960, June 20-August 13, 1960, $2,000 for the period (6-3-60).

Shigora, Norio, Research Associate in the Aeromedical Laboratory, two months from July 1, 1960, $616.66 a month (7-2-60).

Shormaker, Donald J., Assistant Professor of Psychology, ½ time, two months from June 16, 1960, $388.89 a month; this is in addition to his present appointment and to his Summer Session appointment (6-8-60).

Shormaker, Wilfred L., Assistant Professor of Education, June 20-August 13, 1960, $1,534; this is in addition to his present appointment (7-7-60).

Shoup, Franklin R., Assistant Professor of Economics, academic year from September 1, 1960, $7,250 (6-20-60).

Siegel, Frederick P., Assistant Professor of Pharmacy (Pharmacy), June 20-July 30, 1960, $1,287; this is in addition to his present appointment (6-7-60).

Siegel, Peter B., Instructor in Obstetrics and Gynecology (Medicine), one year from July 1, 1960, $9,600 (6-25-60).

Sims, Chester F., Professor of Civil Engineering (C), ½ time, two months from June 16, 1960, $677.78 a month; this is in addition to his present appointment and to his Summer Session appointment on ½ time (5-27-60).

Silva, Paul C., Research Associate Professor of Botany, one month from June 16, 1960, $966.66; this is in addition to his present appointment (6-27-60).
SILVIA, DANIEL S., JR., Assistant in English, nine months from September 16, 1960, $3,800 (6-14-60).

SIMMONS, RALPH O., Assistant Professor of Physics (C), two months from June 16, 1960, $800 a month; this is in addition to his present appointment (5-27-60).

SINCLAIR, GEORGE M., Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1960, $1,188.89 a month; this is in addition to his present appointment (5-27-60).

SINCLAIR, HAROLD R., JR., Assistant in Agronomy (C and S), two months from July 1, 1960, $400 a month, supersedes (6-25-60).

SINNAMON, GEORGE K., Associate Professor of Civil Engineering (C), two months from June 16, 1960, $911.11 a month; this is in addition to his present appointment (5-27-60).

SLIGHTER, CHARLES P., Professor of Physics (C), two months from July 1, 1960, $1,444.44 a month; this is in addition to his present appointment (5-27-60).

SMITH, CEDRIC M., Associate Professor of Pharmacology (Medicine), two months from July 1, 1960, $1,111.11 a month; this is in addition to his present appointment (6-25-60).

SMITH, JAMES H., Associate Professor of Physics (C), June 16-30, 1960, and August 1-September 15, 1960, $955.55 a month; this is in addition to his present appointment (5-27-60).

SMITH, STEANLEY G., Instructor in Organic Chemistry (Chemistry and Chemical Engineering), academic year beginning September 1, 1960, $6,300 (6-21-60).

SMIDTE, CLYDE F., Professor of Political Science and Chairman of the Department, ¾ time, Summer Session of 1960, June 20-August 13, 1960, $1,926 for the period, supersedes his previous Summer Session appointment (6-3-60).

SNUK, SHAO LEE, Professor of Mechanical Engineering (C), $4 time, two months from June 16, 1960, $1,834; this is in addition to his present appointment (5-27-60).

SOZEN, MUTE AVNI, Associate Professor of Civil Engineering (C), two months from June 16, 1960, $900 a month; this is in addition to his present appointment (5-27-60).

SPIEGELMAN, SOL, Professor of Microbiology, two months from June 16, 1960, $1,856.66 a month; this is in addition to his present appointment (6-17-60).

SPURLOCK, JEANNIE, Clinical Assistant Professor of Psychiatry (Medicine), ¾ time, ten months from July 1, 1960, $208.33 a month, supersedes his previous Summer Session appointment (6-3-60).

STALMEYER, JAMES E., Associate Professor of Civil Engineering (C), two months from July 1, 1960, $1,000 a month; this is in addition to his present appointment (6-2-60).

STACEY, NIKOLA Z., Research Associate in Chemistry, one year from September 1, 1960, $5,900 (6-14-60).

STEGERDA, FREDERIC R., Professor of Physiology, ¾ time, two months from June 16, 1960, $916.66 a month; this is in addition to his present appointment (6-1-60).


STOLWICK, ROSEMARIE M., Assistant Professor of Mathematics, two months from June 16, 1960, $666.66 a month; this is in addition to her present appointment (5-25-60).

STOLLOW, LAWRENCE M., Professor of Psychology, in the Department of Psychology and in the Institute for Research on Exceptional Children, two months from June 16, 1960, $1,022.22 a month; this is in addition to his present appointment (5-2-60).

STOLLOW, LAWRENCE M., Professor of Psychology, in the Department of Psychology and in the Institute for Research on Exceptional Children, two months from June 16, 1960, $1,022.22 a month; this is in addition to his present appointment (5-2-60).

STRAIGHT, EDWARD B., Instructor in Oral and Maxillofacial Surgery (Dentistry), 3/10 time, one year from September 1, 1960, $1,800 (6-25-60).

SULLIVAN, MARY C., Research Associate in Geology, two months from July 1, 1960, $400 a month (7-11-60).

SULLIVAN, NORMAN, Professor of Petroleum Engineering (Mining and Metallurgical Engineering) (C), one month from July 16, 1960, $1,000; this is in addition to his present appointment (7-2-60).

SUCHMAN, J. RICHARD, Associate Professor of Education, ¾ time, June 20-August 13, 1960, $878; this is in addition to his present appointment and to his Summer Session appointment (5-27-60).

SUTTON, DAVID C., Research Associate in Physics (C), one year from September 1, 1960, $2,200 (6-14-60).
Swerdlov, Martin A., Clinical Associate Professor of Pathology (Medicine), indefinite tenure from September 1, 1960, without salary (6-7-60).

Tang, Carter H., Research Assistant in Electrical Engineering (S), three months from June 1, 1960, $416.67 a month, supersedes (6-17-60).

Tate, Audrey B., Professor of Physiology, two months from June 16, 1960, $1,055.55 a month; this is in addition to his present appointment (6-3-60).

Telling, Fern, Housemother (Speech Summer Residential Program), Summer Session of 1960, June 20-August 13, 1960, $200 for the period (6-27-60).


Thornburn, Thomas H., Professor of Civil Engineering (S), one month from June 16, 1960, $1,166.67; this is in addition to his present appointment (5-27-60).

Tonchka, Peter, Research Assistant in the Institute for Research on Exceptional Children, June 13-August 5, 1960, $1,000 (6-3-60).

Totten, Donald F., Assistant in Mathematics, full time, Summer Session of 1960, June 20-August 13, 1960, $300 for the period, supersedes his previous Summer Session appointment (7-11-60).

Trigger, Kenneth J., Professor of Mechanical Engineering (C), 2/3 time, two months from June 16, 1960, $1,000 a month; this is in addition to his present appointment (5-27-60).

Tucker, Marie, Research Assistant in Zoology, two months from July 1, 1960, $400 a month (5-27-60).

Tuskaus, James P., Assistant Dean of the College of Commerce and Business Administration, 7/10 time, and Instructor in Marketing, 3/10 time, August 1, 1960-August 31, 1961, $9,200 a year (6-24-60).

Utley, David G., Assistant to the Director of the Office of Foreign Students, July 1, 1960-August 31, 1961, $5,500 a year (6-15-60).

Van Holde, Kensal E., Research Assistant Professor of Chemistry, two months from June 16, 1960, $900 a month; this is in addition to his present appointment (6-8-60).

Van Valkenburg, Mac E., Professor of Electrical Engineering (C), two months from June 16, 1960, $1,666.67 a month; this is in addition to his present appointment (5-27-60).

Vaughan, Herbert E., Professor of Mathematics (Education), June 20-August 13, 1960, $2,444.44; this is in addition to his present appointment (5-27-60).

Velekos, Anastis S., Professor of Civil Engineering (C), two months from June 16, 1960, $1,066.67 a month; this is in addition to his present appointment (5-27-60).

Verheyen, Joseph T., Instructor in Electrical Engineering (C), academic year beginning September 1, 1960, $6,400 (6-21-60).

Verkauf, John G., Research Assistant in Chemistry, two months from June 16, 1960, $489 a month (5-25-60).

Verling, Carl S., Research Professor of Chemistry, 1/4 time, July 17-August 16, 1960, $778; this is in addition to his present appointment (6-9-60).

Vogel, Herward A., Research Associate in Chemistry, six months from August 1, 1960, $375 a month (5-31-60).

Vogel, Wade W., Assistant in the Institute of Aviation, June 20-August 13, 1960, $450 a month (6-9-60).

Vogt, Robert M., Assistant in Mathematics, Summer Session of 1960, June 20-August 13, 1960, $800 for the period (7-11-60).

Wachsmann, Joseph T., Assistant Professor of Microbiology, two months from June 16, 1960, $744 a month; this is in addition to his present appointment (6-8-60).

Walker, Marlene S., Assistant in English, Summer Session of 1960, June 20-August 13, 1960, $845 for the period (7-2-60).

Washington, Thomas, Assistant in German, full time, Summer Session of 1960, June 20-August 13, 1960, $889 for the period, supersedes his previous Summer Session appointment (7-2-60).

Ware, Edward E., Research Associate in the Institute of Communications Research, June 20-August 13, 1960, $1,311.10; this is in addition to his present appointment (5-25-60).

Watkins, Phillip W., Assistant in Agronomy (S), July 1-September 15, 1960, $400 a month (7-2-60).
<table>
<thead>
<tr>
<th>Name</th>
<th>Position Description</th>
<th>Start Date</th>
<th>End Date</th>
<th>Salary</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watt, Jane C.</td>
<td>Professor of Music, Summer Session of 1960, June 20-August 13, 1960</td>
<td></td>
<td></td>
<td>$2,112</td>
<td>supersedes previous Summer Session appointment (7-11-60).</td>
</tr>
<tr>
<td>Wayman, Clarence M.</td>
<td>Assistant Professor of Metallurgical Engineering (Mining and Metallurgical Engineering)</td>
<td></td>
<td></td>
<td>$777.77</td>
<td>in addition to his present appointment (6-17-60).</td>
</tr>
<tr>
<td>Webber, Carl E.</td>
<td>Research Assistant in Psychology, two months from June 16, 1960, $400 a month</td>
<td></td>
<td></td>
<td>6-9-60</td>
<td></td>
</tr>
<tr>
<td>Weichsel, Paul M.</td>
<td>Instructor in Mathematics, academic year beginning September 1, 1960, $6,750</td>
<td></td>
<td></td>
<td>6-15-60</td>
<td></td>
</tr>
<tr>
<td>Weinstien, Sabley</td>
<td>Instructor in Medical Social Work (Medicine), six months from July 1, 1960, $310 a month</td>
<td></td>
<td></td>
<td>7-2-60</td>
<td></td>
</tr>
<tr>
<td>Wempner, Gerald A.</td>
<td>Visiting Associate Professor of Theoretical and Applied Mechanics (C)</td>
<td></td>
<td></td>
<td>$883</td>
<td>supersedes (7-2-60).</td>
</tr>
<tr>
<td>Wendt, Martha</td>
<td>Visiting Lecturer in Music, Summer Session of 1960, 1/2 time, June 26-July 23, 1960</td>
<td></td>
<td></td>
<td>$267</td>
<td>for the period (6-28-60).</td>
</tr>
<tr>
<td>Wert, Charles A.</td>
<td>Professor of Physical Metallurgy (Mining and Metallurgical Engineering) (C), two months from June 16, 1960, $1,333.33 a month; this is in addition to his present appointment (6-17-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>West, Charles A.</td>
<td>Visiting Lecturer in Chemistry, Summer Session of 1960, June 20-August 13, 1960.</td>
<td></td>
<td></td>
<td>$2,000</td>
<td>for the period (6-20-60).</td>
</tr>
<tr>
<td>Westwater, James W.</td>
<td>Professor of Chemical Engineering (S), 1/2 time, two months from June 16, 1960, $528 a month; this is in addition to his present appointment and to his Summer Session appointment (6-2-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wheatley, John C.</td>
<td>Associate Professor of Physics (C), two months from June 16, 1960, $1,000 a month; this is in addition to his present appointment (5-27-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White, Robert A.</td>
<td>Instructor in Mechanical Engineering, Summer Session of 1960, 1/2 time, June 20-August 13, 1960, $378 for the period (6-13-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wiggins, Natalie S.</td>
<td>Instructor in Home Economics (4-H Club Work) (E), July 1, 1960-August 31, 1961, $5,500 a year (6-7-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilding, Lawrence F.</td>
<td>Assistant in Agronomy (S), three months from June 16, 1960, $400 a month (6-25-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Willard, D. Dean</td>
<td>Law Library Assistant, with rank of Instructor, July 18, 1960-August 31, 1961, $5,500 a year (6-15-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Williams, Thomas H.</td>
<td>Research Assistant in Accountancy, June 20-August 13, 1960, $1,023; this is in addition to his present appointment (5-31-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilson, John P.</td>
<td>Visiting Lecturer in Anthropology, Summer Session of 1960, June 20-August 13, 1960, $1,000 for the period (6-17-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windland, Mrs. Nancy F.</td>
<td>Research Assistant in Microbiology, June 6, 1960-August 31, 1961, $387.50 a month (6-21-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wishner, Richard F.</td>
<td>Research Associate in the Coordinated Science Laboratory (C), June 16-August 31, 1960, $6,500 a year, supersedes (6-7-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wolfs, Finn</td>
<td>Research Assistant Professor of Chemistry, two months from June 16, 1960, $800 a month; this is in addition to his present appointment (6-3-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wolfe, Ralph S.</td>
<td>Associate Professor of Microbiology, two months from June 16, 1960, $1,000 a month; this is in addition to his present appointment (6-17-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Worley, Will J.</td>
<td>Associate Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1960, $911.11 a month; this is in addition to his present appointment (6-17-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wyman, Marvin E.</td>
<td>Professor of Physics and of Nuclear Engineering (C), two months from June 16, 1960, $1,444.44 a month; this is in addition to his present appointment (6-2-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xhinesse, Louis V.</td>
<td>Research Assistant in Psychology, two months from June 16, 1960, $400 a month (6-9-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yancey, Thomas A.</td>
<td>Research Assistant Professor of Economics, June 21-August 13, 1960, $1,911.10 for the period; this is in addition to his present appointment (6-20-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yankwich, Peter E.</td>
<td>Research Professor of Chemistry, June 16-August 31, 1960, $1,222.23 a month; this is in addition to his present appointment (6-4-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yano, Nobukatsu</td>
<td>Research Assistant in Food Technology (S), three months from June 1, 1960, $458.33 a month, supersedes (6-15-60).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
YOSHINO, UMEO, Assistant in Food Technology (S), one year from September 1, 1960, $4,800 (6-14-60).

YUSEN, MILTON, Research Associate in Clinical Science (Medicine), four months from May 1, 1960, $300 a month (5-25-60).

ZARING, WILSON M., Assistant Professor of Mathematics, June 20-August 13, 1960, $1,560.60; this is in addition to his present appointment (5-27-60).

ZIMMERMAN, MRS. MARIE, Counselor in the Student Counseling Service, two months from July 1, 1960, $500 a month (6-2-60).

FELLOWS

(The following appointments were made by the President of the University.)


TIMX, WAYNE A., Kate Neal Kinley Memorial Fellow for 1960-61.

GRADUATE FELLOWS

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

AMIN, RAJNIKANT B., Lead Industries Fellow in Ceramic Engineering, nine months from September 16, 1960, $2,000 (6-8-60).

BAER, DANIEL, Student Public Health Service Fellow in the Chicago Professional Colleges, two months from July 1, 1960, $600 (6-17-60).

BAKER, MARTIN, United States Public Health Service Postdoctoral Fellow in Psychiatry (Medicine), eight months from January 1, 1960, without stipend (5-27-60).

BECK, JAMES R., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, $400 (6-2-60).

BERTRURD, WESLEY G., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, $400 (6-2-60).

BLAZER, WILLIAM V., United States Public Health Service Fellow in Medicine (Special) (Chicago Professional Colleges), one year from July 1, 1960, without stipend (6-17-60).

BOJANOWSKI, ROBERT J., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 1, 1960, $600 (6-20-60).

BORDERS, DONALD B., Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, $400 (6-2-60).

BOYER, ALVIN C., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1960, $450 (6-9-60).

BISHOFF, JON M., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, $440 (6-8-60).

BROWN, GEORGE D., Fellow in Law, Summer Session of 1960, June 20-August 13, 1960, $350 for the period (6-23-60).

BURMAN, ROBERT L., General Dynamics Corporation Fellow in Physics, nine months from September 16, 1960, $2,000 (6-3-60).

BURNS, RICHARD P., Upjohn Company Fellow in Microbiology, one year from June 16, 1960, $2,000 (5-24-60).

BUSTA, FRANCIS P., Wright Fellow in Food Technology, nine months from September 16, 1960, $1,500 (6-24-60).

CARLSON, CHARLES G., Charles Pfizer Summer Fellow in Chemistry, two months from June 16, 1960, $400 (6-2-60).

CHANDRAKAS, GARADH R., Upjohn Company Fellow in the Chicago Professional Colleges, one year from July 1, 1960, $3,600 (6-17-60).

CHANG, PI-YU, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-20-60).

DEGENFORD, JAMES A., Alfred P. Sloan Faculty Development Teaching Fellow in Electrical Engineering, nine months from September 16, 1960, $2,400 (6-10-60).

DEPI, JOHN A., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

DEWAN, R. K., Firestone Tire and Rubber Company Fellow in Chemistry, nine months from September 16, 1960, $1,500 (5-31-60).

DOWNS, GEORGE L., Mathematics Institute Fellow in Mathematics, nine months from September 16, 1960, $4,350 (5-1-60).

DREW, ERNEST H., Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, $400 (6-2-60).
ECONOMOU, Peter, United States Public Health Service Postdoctoral Fellow (Trainee) in Medicine (Chicago Professional Colleges), one year from July 1, 1960, $4,500 (5-11-60).

EIDLIC, LIA, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

ENDRIS, Joseph G., United States Public Health Service Fellow (Trainee) in Food Technology, nine months from September 16, 1960, $2,200 (6-28-60).

FELDMAN, Ross, Seymour Vestmark Fellow in the Chicago Professional Colleges, two months from July 1, 1960, $120 (6-17-60).

FISHER, Thomas H., Roger Adams Fellow in Chemistry, nine months from September 16, 1960, $1,800, supersedes (5-31-60).

FRIEDMAN, Stephen E., United States Public Health Service Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-28-60).

FRUCHTMAN, Stanley A., United States Public Health Service Fellow (Trainee) in Allergy (Chicago Professional Colleges), ten months from September 1, 1959, $4,500, supersedes (3-18-60).

GARDELLA, Libero, University Fellow in the Chicago Professional Colleges, nine months from September 1, 1960, $1,500 (6-17-60).

GILBERT, Dewey, Student Public Health Service Fellow in the Chicago Professional Colleges, two months from July 1, 1960, $600 (6-17-60).

GOLEB, Elliot, Wallace Laboratories Medical Student Fellow in the Chicago Professional Colleges, July 1-September 15, 1960, $600 (6-17-60).

GRIMM, Arthur F., University Postdoctoral Fellow in the Chicago Professional Colleges, nine months from June 1, 1960, $750 (6-17-60).

GROSCHHEL, Edward C, Campbell Soup Company Fellow in Food Technology, nine months from September 16, 1960, $2,400, supersedes (6-24-60).

GUIRE, Patrick E., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1960, $450 (6-2-60).

HAERTLING, Gene H., Lead Industries Fellow in Ceramic Engineering, nine months from September 16, 1960, $2,000 (6-6-60).

HALL, Charles A., National Lead Company Fellow in Ceramic Engineering, nine months from September 16, 1960, $1,740 (6-6-60).

HAYASHI, Masaki, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

KEMP, Emory L., Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1960, $1,000, supersedes (6-15-60).

KOH, Elizabeth N., Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, $400 (6-6-60).

LECHT, Francesco, Wright Fellow in Agricultural Economics, nine months from September 16, 1960, $1,500 (6-21-60).

LEE, Chin Kee, United States Public Health Service Fellow (Trainee) in Microbiology, September 1, 1960-June 15, 1961, $1,900, supersedes (3-6-60).

LONNARES, Saimund, Special Fellow in Law, nine months from September 16, 1960, $1,500 (6-8-60).

McCLINTIC, Richard D., International Business Machines Fellow in Data Processing, nine months from September 16, 1960, $2,500 (6-8-60).

MEYEROVITZ, Robert, United States Public Health Service Student Fellow in Psychiatry (Chicago Professional Colleges), two months from July 1, 1960, $600 (6-17-60).

MICKIEWICZ, O. Eugenija, United States Public Health Service Fellow (Trainee) in Pharmacology (Chicago Professional Colleges), July 1-September 15, 1960, $600 (6-17-60).

MIZUKAMI, Hiroshi, United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1960, $2,566 (6-22-60).

MORA, Fernando, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

NIEDZIELSKI, Robert J., Koppers Foundation Summer Fellow in Chemistry, two months from June 16, 1960, $600, supersedes (6-20-60).

PAISLEY, Nancy S., United States Public Health Fellow (Trainee) in Chemistry, two months from June 16, 1960, $450 (6-6-60).
PEARSON, ROBERT E., Standard Oil Foundation Fellow in Chemistry, nine months from September 16, 1960, $2,000 (6-17-60).

PICKERSGILL, MICHAEL, United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

RODER, YORKE E., Jr., Koppers Foundation Summer Fellow in Chemistry, two months from June 16, 1960, $600, supersedes (6-20-60).

ROWE, JANET A., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

ROBINSTEIN, DANIEL, United States Public Health Service Fellow (Trainee) in Physiology, one year from July 1, 1960, $2,666 (6-22-60).

SHARP, JAMES B., Jr., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 1, 1960, $5,200 (5-31-60).

SIEGERT, ROBERT F., Ciba Products Fellow in the Chicago Professional Colleges, July 1-September 15, 1960, $600 (6-17-60).

SLAGEL, ROBERT C, Roger Adams Summer Fellow in Chemistry, two months from June 16, 1960, $400 (6-2-60).

SOREK, EMORY J., Abbott Laboratories Fellow in the Chicago Professional Colleges, July 1-September 15, 1960, $600 (6-17-60).

SOLOWAY, HARRY, Student Public Health Service Fellow in the Chicago Professional Colleges, two months from July 1, 1960, $600 (6-17-60).

SPENCER, LARRY, Roger Adams Fellow in Chemistry, nine months from September 16, 1960, $1,800, supersedes (3-31-60).

STEVENS, JOHN K., Summer Fellow in History, two months from June 16, 1960, $350 (4-25-60).

SULLIVAN, DENIS G., Fellow in Political Science, August 1-September 15, 1960, $450, supersedes (7-11-60).

TEMPERLEY, NICHOLAS M., Postdoctoral Fellow in Music, one year from September 1, 1960, $4,200 (6-7-60).

TENNY, KENNETH S., United States Public Health Service Fellow (Trainee) in Food Technology, three months from June 16, 1960, $350 (5-23-60).

TENNY, KENNETH S., United States Public Health Service Fellow (Trainee) in Food Technology, three months from June 16, 1960, $350 (5-23-60).

THOR, DANIEL E., Wallace Laboratories Medical Student Fellow in the Chicago Professional Colleges, July 1-September 15, 1960, $600 (6-17-60).

UNDERWOOD, ERNEST E., Mathematics Institute Fellow in Mathematics, nine months from September 16, 1960, $4,800 (5-1-60).

WHEELER, WILLIAM R., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

WILEY, WILLIAM R., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

WOODFORD, BEULAH M., United States Public Health Service Fellow (Trainee) in Chemistry, for two months beginning June 16, 1960, $450 (6-8-60).

WRIGHT, WILLIAM V., United States Public Health Service Fellow (Trainee) in Food Technology, nine months from September 16, 1960, $2,200 (6-28-60).

YANKOFFSKY, SAUL A., United States Public Health Service Summer Fellow (Trainee) in Microbiology, three months from June 16, 1960, $600 (6-21-60).

YANKOFFSKY, ABRAHAM, United States Public Health Service Fellow (Trainee) in Allergy (Chicago Professional Colleges), one year from July 1, 1960, $6,000 (5-16-60).
ZACONE, VINCENT, JR., United States Public Health Service Fellow (Trainee) in Pharmacology (Chicago Professional Colleges), July 1-September 15, 1960, $600 (6-17-60).

ZATMAN, LEONARD J., Postdoctoral Fellow in Chemistry, two months from July 1, 1960, $2,000 (7-11-60).

RESIGNATIONS AND DECLINATIONS

ADAMS, MRS. RUBY, Assistant in Home Economics — resignation effective September 1, 1960.

AGUILAR, VIRGINIA, Research Assistant in Psychiatry (Medicine) — declination effective September 1, 1960.

ALLEN, RICHARD D., Fellow in Botany — resignation effective September 16, 1960.


BAIR, WILLARD E., Assistant Professor of Mechanical Engineering — declination effective June 16, 1960.

BERGLUND, WINIFRED, Instructor in Mathematics (Chicago Undergraduate Division), Summer Session of 1960 — resignation effective June 20, 1960.

BETTEN, PAUL, Research Associate in Pharmacology (Medicine) — resignation effective July 1, 1960.

BLANCHARD, WOODROW W., Research Assistant in Microbiology — resignation effective June 16, 1960.

BOND, HARLEY W., United States Public Health Service Fellow (Trainee) in Pharmacology (Chicago Professional Colleges) — resignation effective June 30, 1960.

BROCKREIDE, WAYNE E., Assistant Professor of Speech — resignation effective September 1, 1960.

BROOKS, MARY C., Research Assistant in the State Water Survey — resignation effective June 16, 1960.

BUSCH, HARRIS, Professor of Pharmacology (Medicine) — resignation effective September 1, 1960.

CASTON, PAULINE A., Assistant Law Librarian, with rank of Assistant Professor — declination effective September 1, 1960.

CASTEN, SABINE H., Instructor in Chemistry (Chicago Undergraduate Division) — resignation effective September 1, 1960.

CHURCH, MARTHA J., University Fellow in the Chicago Professional Colleges — resignation effective May 12, 1960.

COBIN, MARTIN T., Associate Professor of Speech, Summer Session of 1960 — resignation effective June 20, 1960.

CORE, ALFRED C., Instructor in Physics (Pharmacy) — declination effective September 1, 1960.

DANIELSKI, DAVID J., Fellow in Political Science — resignation effective June 16, 1960.

DEPINTO, JOHN A., JR., United States Public Health Service Summer Fellow (Trainee) in Microbiology — resignation effective June 16, 1960.

DIAL, MRS. JEANNE, Research Assistant in Microbiology — resignation effective July 1, 1960.

DIES, HERMAN H., Assistant in English — resignation effective September 16, 1960.

DI PASQUALE, RAYMOND A., Assistant Professor of Architecture — resignation effective September 1, 1960.

DONAHUE, GILBERT E., Librarian in the Institute of Labor and Industrial Relations, with rank of Assistant Professor — resignation effective September 1, 1960.

DUNLAP, HOWARD L., Catalog Assistant in the Library — resignation effective September 1, 1960.

EBERSOLE, ELLEN H., Instructor in Home Economics — resignation effective September 1, 1960.

EENER, KURT E., Assistant in Dairy Science — resignation effective July 1, 1960.


ENGELAND, RALPH W., JR., Assistant Professor of Sociology — resignation effective September 1, 1960.
ETTER, DONALD E., Research Assistant in the State Water Survey — declination effective July 1, 1960.

EWING, BENJAMIN B., Associate Professor of Civil Engineering, Summer Session of 1960 — resignation effective June 20, 1960.

FELBRING, GERMAINE E., Resident Assistant in Allen Hall — declination effective September 1, 1960.

FERGUSON, GEORGE B., Assistant in English — declination effective September 16, 1960.

FISHER, JANET L., Instructor in Mathematics (Pharmacy) — declination effective September 1, 1960.

FORREST, RALPH L., Assistant in Agricultural Economics — resignation effective July 20, 1960.

FRUCHTMAN, STANLEY A., United States Public Health Service Fellow (Trainee) in Allergy (Chicago Professional Colleges) — resignation effective July 1, 1960.

GARFINKEL, MARVIN, Research Associate in Physics — resignation effective July 18, 1960.

GOTHARD, BERNARD, Research Assistant in Psychiatry (Medicine) — declination effective September 1, 1960.

GRAFFIS, DON W., Assistant in Agronomy — resignation effective August 1, 1960.

GREEN, PATRICIA, Instructor in Occupational Therapy (Medicine) — declination effective September 1, 1960.

GUEVARA, PEDRO A., JR., Instructor in Full and Removable Partial Dentures (Dentistry) — resignation effective September 1, 1960.

GURVICH, CAROL S., Assistant in English — resignation effective September 16, 1960.

HALLOWELL, ROBERT E., Assistant Professor of French — resignation effective September 1, 1960.

HALSTEAD, BETTY J., Serials Cataloger in the Library with rank of Instructor — declination effective September 1, 1960.


HECKARD, LAWRENCE R., Assistant Professor of Botany — resignation effective September 1, 1960.

HOGAN, DONALD J., Instructor in English, Summer Session of 1960 — declination effective June 20, 1960.

HOPKINS, JERRY D., Assistant in English — resignation effective September 16, 1960.

HOWE, CLIFFORD E., Assistant Professor of Education, and Assistant Professor in the Institute for Research on Exceptional Children — declination effective September 1, 1960.

HUBBARD, MARY O., Instructor in Home Economics — resignation effective September 1, 1960.

HUTTON, CHARLES L., JR., Assistant Professor of Speech — resignation effective September 1, 1960.

JEFFAY, ANA L., Research Associate in Applied Materia Medica and Therapeutics (Dentistry) — resignation effective May 17, 1960.

JONES, C. CLYDE, Assistant Dean of the College of Commerce and Business Administration and Associate Professor of Economics — resignation effective September 1, 1960.

JONES, LOUISE G., Assistant Editor, with rank of Assistant in Agriculture — resignation effective August 31, 1960.

KARPLUS, MARTIN, Associate Professor of Physical Chemistry — declination effective September 1, 1960.

KOKENES, BARBARA, Visiting Lecturer in Education, Summer Session of 1960 — resignation effective June 20, 1960.

KOS, EDWARD S., Instructor in Microbiology (Medicine) — declination effective September 1, 1960.

Lafuse, Harry G., Instructor in Electrical Engineering — declination effective September 1, 1960.

Lang, Mrs. Marilyn K., Assistant in Occupational Therapy (Medicine) — resignation effective June 15, 1960.

Lebovits, Binyamin, Research Associate in Psychiatry (Medicine) — declination effective September 1, 1960.


Li, Hsin L., Research Assistant Professor of Mechanical Engineering — resignation effective September 1, 1960.

Light, Martin, Assistant in English — declination effective September 16, 1960.

Li, Dale M., Assistant Professor of Full and Removable Partial Dentures (Dentistry) — declination effective September 1, 1960.

Longenecker, Herbert E., Vice-President in charge of the Chicago Professional Colleges — resignation effective July 1, 1960.

Lowe, Carol H., Assistant in Animal Science — resignation effective September 1, 1960.

MacGregor, James G., Research Associate in Civil Engineering — resignation effective August 1, 1960.

Martin, Geraldine A., Assistant in Pharmacy (Pharmacy) — declination effective September 16, 1960.

McDermott, Mark N., Research Associate in Physics — resignation effective August 1, 1960.


McIntyre, Lucy May S., Resident Assistant in Allen Hall — declination effective September 1, 1960.

Medley, Keith, Assistant Professor of Anesthesiology (Medicine) — declination effective September 1, 1960.

Mitchell, Graham S., Assistant in English, Summer Session of 1960 — declination effective June 20, 1960, and for the academic year beginning September 1, 1960 — resignation effective September 16, 1960.


Novick, Robert, Associate Professor of Physics — resignation effective September 1, 1960.

Oebker, Norman F., Associate Professor of Horticulture — resignation effective August 1, 1960.

Potter, Christopher, Instructor in Electrical Engineering — declination effective September 1, 1960.

Preble, Harry E., Assistant in English — resignation effective September 16, 1960.

Ray, Gordon N., Vice-President and Provost, Professor of English, and Coordinator of the Armed Forces — resignation effective August 1, 1960.

Reynolds, Sabron L., Assistant Reference Librarian, with rank of Instructor — declination effective September 1, 1960.

Rhie, Younghie, Special Fellow in Social Work — resignation effective June 1, 1960.

Salemi, Emanuel C., Assistant Professor of Management — resignation effective September 1, 1960.

Scholtens, Robert G., United States Public Health Service Postdoctoral Fellow (Trainee) in Veterinary Medical Sciences — resignation effective June 15, 1960.

Schwem, Mrs. Barbara, Research Assistant in Chemistry — resignation effective August 1, 1960.


Shemaker, Donald J., Assistant Professor of Psychology — declination effective September 1, 1960.

Stafford, Roger A., National Science Foundation Cooperative Fellow in Mathematics — resignation effective June 16, 1960.

Staebler, John R., Research Associate in Dairy Science — resignation effective August 9, 1960.
TAKEDA, SUSUMU, Visiting Research Assistant Professor of Electrical Engineering — resignation effective August 9, 1960.

TERZAGHI, KARL, Lecturer and Consultant in Civil Engineering — declination effective September 1, 1960.

TIRITILLI, ERNEST C., Physician in the Health Service (Chicago Professional Colleges) — declination effective September 1, 1960.

TROCC, ALAN M., Assistant in Mathematics, Summer Session of 1960 — declination effective June 20, 1960.

UNRUH, WILLIS O., Research Associate in the Coordinated Science Laboratory — resignation effective July 7, 1960.


WINGFIELD, MERVYN W., Instructor in Accountancy — declination effective September 1, 1960.

WINSLOW, ALAN G., Instructor in Landscape Architecture — resignation effective September 1, 1960.

ZEWADSKI, ROBERT M., Instructor in Business English — resignation effective September 1, 1960.

LEAVES OF ABSENCE

FINLAY, GILBERT C., Professor of Education, Assistant Dean of the College of Education, and Head of Counseling Services on the University Council on Teacher Education — continuation of leave of absence on 80 per cent time, without pay, for one year from June 16, 1960, so that he may continue his work with the Physical Science Study Committee Program.

FRITZ, THOMAS E., Instructor in Veterinary Pathology and Hygiene, in the College of Veterinary Medicine — leave of absence, without pay, from August 4 and continuing through September 16, 1960.

GARWIN, EDWARD L., Research Assistant Professor of Physics, in the College of Engineering — leave of absence, without pay, from June 16 and continuing through August 31, 1960.

GUPTA, OMPRAKASH, Assistant Professor of Applied Materia Medica and Therapeutics, in the College of Dentistry — extension of leave of absence, without pay, for three months from June 1, 1960.

HARTLEY, MILES C., Associate Professor of Mathematics, in the Chicago Undergraduate Division — leave of absence, without pay, for one year from September 1, 1960.

HINTON, ROYCE A., Research Associate in Farm Management (Agricultural Economics), in the Agricultural Experiment Station — leave of absence, without pay, for two months from July 1, 1960.

HOBBS, FRANCIS E., JR., Assistant Professor of English — leave of absence, without pay, for one year from September 1, 1960, so that he may serve as a visiting professor at the University of Connecticut during that period.

HOLISH, DON F., Associate Professor of Electrical Engineering, in the Engineering Experiment Station — leave of absence, without pay, beginning July 15 and continuing through August 31, 1960.

HUNCE, PATRICIA A., Research Assistant in the Coordinated Science Laboratory, in the College of Engineering — leave of absence, without pay, for one month from July 1, 1960.

MARWALT, AMARJIT S., Instructor in Oral Pathology, in the College of Dentistry — extension leave of absence, without pay, from May 1 and continuing through August 31, 1960.

MCGLOTHLIN, MARGARET, Assistant Editor in the Agricultural Experiment Station, with rank of Instructor — leave of absence, without pay, for one month from May 1, 1960.

MESSBURG, ROBERT J., Associate Professor of Civil Engineering, in the College of Engineering — leave of absence, without pay, for one year from September 1, 1960.

PAPPADEMOS, JOHN N., Assistant Professor of Physics, in the Chicago Undergraduate Division — leave of absence, without pay, for six months from September 1, 1960.

WIESINGER, FRED P., Assistant Professor of Civil Engineering, in the Chicago Undergraduate Division — leave of absence, without pay, for one year from September 1, 1960.
CHANGE IN SABBATICAL LEAVE OF ABSENCE

GREENBERG, BERNARD, Assistant Professor of Zoology, in the College of Pharmacy — sabbatical leave of absence changed from the academic year 1960-61 on one-half pay to leave of absence on full pay for the first semester and leave without pay during the second semester.

COMMUNICATION FROM MEMBERS OF THE FACULTY

President Williamson stated that an open letter dated July 15, 1960, to the Board of Trustees from a number of the members of the University faculty concerning the University's action in the case of Assistant Professor Leo F. Koch was released by some of its signers for publication on July 17, 1960.

The signers of the open letter did not follow University statutory procedure for faculty deliberation and communication. Nevertheless, on recommendation of the President of the University that the Board of Trustees take note of the communication and give it consideration, the Chair suggested that the letter be referred to the Committee on General Policy for study and report.

By unanimous consent the letter was so referred with the request that the Committee report on the matter at the September meeting of the Board.

A copy of the open letter has been filed with the Secretary of the Board for record.

ANNUAL MEETING OF ASSOCIATION OF GOVERNING BOARDS

President Williamson announced that Mrs. Frances B. Watkins has been named a Regional Director of the Association of Governing Boards of State Universities and Allied Institutions and will attend a meeting of the Regional Directors in Minneapolis July 30. The annual meeting of the Association will be held in Seattle, Washington, October 19-22 and Mrs. Watkins will represent the Board at this meeting.

FUTURE BOARD MEETINGS

On motion of Mr. Harewood, the Board voted not to hold a regular meeting in August.

The regular September meeting will be held in Urbana on Wednesday, September 21, 1960, at an hour and place to be designated by the President and Secretary of the Board.

MEETINGS OF BOARD COMMITTEES

Meetings of the Committees on General Policy and Buildings and Grounds were held today beginning at 1:30 p.m.

EXECUTIVE SESSION

At this point, an Executive Session was requested and ordered for the consideration of the following matters of business.

PURCHASE OF PROPERTY ON GREEN STREET

(1) Construction of the second unit of the residence hall for graduate students on Green Street in Urbana requires acquisition of additional land adjoining the site to provide an area for parking and a service drive from Gregory Place, a side street. This land is part of a large area at the northwest corner of Green Street and Gregory Place on which there is a service station.

The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of approximately 5,000 square feet of land in this area from Mr. C. C. Brown of Urbana, owner of the land and operator of the station.
at a price of $6,800, or $1.34 per square foot. This is a negotiated price based on
appraisals and is in line with the price policy authorized by the Committee on
Buildings and Grounds in negotiations for land acquisition.

Funds will be available in either the state capital appropriations to the Uni-
versity for 1959-61 or in the construction account for the residence hall for
graduate students.

I concur.

On motion of Mr. Harewood, the purchase of this property was
authorized, as recommended, by the following vote: Aye, Mr. Hare-
wood, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr.
Wilkins, Mr. Williamson; no, none; absent, Mr. Clement, Mr. Herrick,
Mr. Stratton; Mr. Hughes was present during most of the meeting but
was absent when this matter was considered and the vote taken.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(2) The University Patent Committee submits, with the concurrence of the
Chairman of the University Research Board, the following recommendations
relating to inventions by members of the staff.

1. Modification of Rainville test of bone-conduction hearing—Charles Light-
foot, Associate Professor of Otolaryngology, inventor. This invention is a pro-
cedure for the testing of bone-conduction hearing. The test consists of determining
the lowest level of bone-conduction noise which interferes with the hearing by the
ear under test of an air conducted signal and comparing that level with the level
of bone-conduction noise which has the same interfering effect on a normal ear.

The invention was referred to the University of Illinois Foundation for inves-
tigation and the Foundation has reported that there is little likelihood of commer-
cial possibilities. Accordingly, the Committee on Patents recommends release to
the inventor.

2. Cage for solitary housing of large numbers of mice—Dr. Walter S. Moos,
Associate Professor of Radiology; Dr. J. E. Fuller, Associate Professor of
Pathology; and Dr. J. C. Plagge, Professor of Anatomy, all of the College of
Medicine, inventors. Most biological experiments and studies involving mice re-
quire observations on large numbers of these animals. Some of these experiments
are made difficult due to many mice being in one cage, and the inventors have
designed and tested the subject cage.

It is the best judgment of the heads of the department and all other University
officials concerned that this equipment will have such highly specialized and such
limited use that it would have no commercial possibilities. Accordingly, the Patent
Committee has recommended release of the invention to the inventors.

Distribution of Net Income of Patentable Inventions

The University of Illinois Foundation reports that its work on the following
inventions by University staff members turned over to it has developed to the
point that patent applications are pending and in some cases patents have been
issued. The Foundation will proceed to negotiate with prospective licensees as
patents are issued, but before doing so the Foundation requests instructions on
distribution of the royalties. The Committee on Patents recommends that 15 per-
cent of the net proceeds of any royalties received on these inventions be paid to the
inventors, and that in those cases where there are two or more inventors it be left
to them how they will divide the 15 per cent:

Planar logarithmically periodic antenna structures—R. H. DuHammel, inventor
Non-planar logarithmically periodic antenna structures—D. E. Isbell, inventor
Unidirectional equiangular spiral antenna—J. D. Dyson, inventor
Log periodic dipole arrays—D. E. Isbell, inventor
New circularly polarized omnidirectional antenna—P. E. Mayes and J. D. Dyson,
inventors
Log-periodic resonant-V arrays—P. E. Mayes and R. L. Carrel, inventors
All-channel TV and FM receiving antenna—R. L. Carrel and P. E. Mayes,
inventors
Senor diluent and processing method—N. L. VanDemark, A. D. Sharma, and
G. W. Salisbury, inventors
Device for abridging sound — Grant Fairbanks, W. L. Everitt, and Robert Jaeger, inventors.

I concur in these recommendations.

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

On motion of Mr. Swain, the Board adjourned.

A. J. Janata
Secretary

Kenney E. Williamson
President
APPENDIX

RECOMMENDATIONS OF THE UNIVERSITY BUILDING PROGRAM COMMITTEE FOR THE 1961-63 BIENNIAL

(Approved by the Board of Trustees July 26, 1960, page 25)

INTRODUCTION

The basic planning philosophy of the University is simple and comprehensive. It rests upon the premise that the University of Illinois is an agency of the people of the state and that it is devoted to a threefold purpose: (1) the education and training of youth; (2) the research designed to add to the store of knowledge in all the fundamental fields of learning; and (3) to render those services for which it is particularly suited to various segments of the state's life such as agriculture, industry, health sciences, commerce, and government; all this to the ultimate end that the University shall contribute to the civic health and economic prosperity and to the enrichment of the lives of its citizens.

THE TEN-YEAR DEVELOPMENT PLAN OF THE UNIVERSITY

Early in 1958, the University was asked for a summary of the building needs for the next ten years in preparation for the proposed 1958 Bond Issue which was voted upon November of that year. In fulfilling this request, a procedure was used which involved the staff throughout the University as well as consultants.

The ten-year plan, explained in the recommendations of the Building Program Committee for the 1959-61 biennium, is not inflexible. It was developed with the knowledge that with changing circumstances, revisions would be required in the future. The changes which have come about in the last two years have indicated that the ten-year development plan is a necessity in the growth of the University if it is to continue to meet its obligations.

Certain assumptions were made in arriving at the figures which were used in the Ten-Year Building Program.

For example, the amount recommended for the Chicago Undergraduate Division provides only for the continuation of the present program on a permanent site. The nature and the time table for expansion to a four-year program have not yet been determined. In fact, a four-year program is yet to be approved by the State. Other changes in programs or shifts in enrollments to courses requiring laboratory facilities would also increase these estimates of cost.

It is further assumed that the people of Illinois will want the University to continue its research and extension work and to find new ways to improve agriculture, to build better roads and bridges, to improve business practices, to build better and more economical homes, and to make this knowledge available through publications, lectures, conferences, and short courses both on and off the campus.

The resulting ten-year development plan, spread over the five biennia 1959-61 at Urbana-Champaign and the Chicago Professional Colleges and for the two biennia 1959-63 for the Chicago Undergraduate Division, called for total expenditures as follows:

Chicago Professional Colleges ....................................................... $32,500,000
Chicago Undergraduate Division (to provide permanent quarters for the present program with capacity for expansion of enrollment to 6,000) .................. $50,000,000
Urbana-Champaign ................................................................. $116,000,000

Total ................................................................. $198,500,000

The original ten-year development plan (based on the backlog of building needs and anticipated enrollment increases) called for the expenditure of funds as illustrated in Table I. The University has received but a small portion of the $14,000,000 appropriated in 1959. While some additional funds will be released, it is obvious that the amounts will be insufficient to make substantial progress in completing the projects provided for by the limited appropriation for this biennium. Consequently, the University has been impaired in terms of its ability to take enrollment increases, as planned, to continue and expand research functions and to render services to the people for which it is particularly suited.

All of this means that if the University is to take the enrollment increases 

1This does not include residence halls which are self-liquidating over their useful life for other projects to be financed outside of State appropriations.
and if it is to continue and expand research functions and provide services throughout the State, the figures presented were realistic measures of the need. They represented the best estimate of cost that could be given for the kind of program that the people of Illinois have shown they want and expect from their University.

### Table I. Tentative Summary of the 1959-69 Building Program

(All amounts are in millions of dollars based on July 1, 1959, estimate of cost)

<table>
<thead>
<tr>
<th>Period</th>
<th>Urbana-Champaign</th>
<th>Chicago Undergraduate Division</th>
<th>Chicago Professional Colleges</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two-Year Program</td>
<td>1959-61</td>
<td>38.1</td>
<td>10.0</td>
<td>6.7</td>
</tr>
<tr>
<td></td>
<td>1961-63</td>
<td>24.5</td>
<td>35.0</td>
<td>8.9</td>
</tr>
<tr>
<td>Four-Year Program</td>
<td>1959-63</td>
<td>(62.6)</td>
<td>(45.0)</td>
<td>(15.6)</td>
</tr>
<tr>
<td></td>
<td>1963-65</td>
<td>20.0</td>
<td>5.0</td>
<td>6.9</td>
</tr>
<tr>
<td></td>
<td>1965-67</td>
<td>17.4</td>
<td>1</td>
<td>5.5</td>
</tr>
<tr>
<td></td>
<td>1967-69</td>
<td>10.0</td>
<td>1</td>
<td>4.5</td>
</tr>
<tr>
<td>Ten-Year Program</td>
<td>Total</td>
<td>116.0</td>
<td>50.0</td>
<td>32.3</td>
</tr>
</tbody>
</table>

### Anticipated Enrollment Increases

That an unprecedented number of students will want to enroll in our colleges and universities within the next ten to fifteen years hardly needs demonstration at this date. The accelerated building of public schools (lower grades) to take care of our present school age population is everyday evidence of what is to come at the University level. The report of the President's Committee on Education Beyond the High School that enrollments will double. The Illinois Commission of Higher Education made a detailed study of the outlook for Illinois and arrived at the same conclusion.

The present highest enrollment in all time at the University of Illinois is indicative of the trend of greater enrollments all over the State and the nation. This is further emphasized by the fact that this record enrollment comes from the numerically lowest college-age group in the past twenty-five years. The enrolled students represent children born during the period when marriages and birth rates reached their lowest point.

The reason for the current record level of college enrollments in spite of the small total number from which the students are drawn is that the proportion of college-age youths who go to college has been climbing rapidly. When this increased rate of actual to potential enrollments is applied to the college-age population for the decade 1960-70, it is very plain that we must plan for approximately twice as many college students in 1970 as in 1958.

However, it is imperative that construction and planning proceed as rapidly as possible, inasmuch as studies based on increased marriages, births, school grades in the public schools of Illinois, and students going to higher educational institutions indicate that the expected increase of students between 1959-60 will be the largest addition ever made in Urbana in one year. For subsequent years through 1962, two additional increases are expected although not as substantial as the 1959-60 increase.

In 1963 or 1964, the best estimate available to date indicates another substantial increase somewhat comparable to and possibly exceeding the record level expected in 1960. It is during this period that we may expect the results of the large jump in the births for the State that happened between 1945 and 1946.

This trend of greater and greater enrollments, in the face of approaching limits of utilization of space and the ability to take more students, again points out the need to provide funds immediately for the construction and planning of new buildings.

### Building Needs of the University

Although the University of Illinois has a large and imposing campus, it now has serious space deficiencies.

The University, with its ever increasing numbers of students and expanding staff to teach these students, has been accumulating a building backlog over the

---

1 Additional funds will be required when the enrollment exceeds 6,000 students, some of whom may be juniors and seniors.
last twenty-five years; first, during the depression when there just weren't any funds available no matter how great the need; then, during World War II when no construction could be undertaken because of material and manpower priorities; and finally, in the post-war period when the State began a valiant attempt to make up past deficiencies, but the higher enrollments of veterans and the higher proportion of college-minded youth than ever before increased the demands. 

Evidences of this increasing need appear repeatedly in the biennial summaries and requests of the University's building committee as submitted to successive sessions of the legislature. In these reports are studies of building usage, building costs, relations of areas to students, to staff, to kinds of courses, and to all the other factors that enter into the problem of how much space is needed for a given number of students engaged in a given educational program.

There would be little point in reproducing here the details of these reports, but a summary of the building requests and amounts actually received over a period of years is enlightening. From 1951 to the present, these are the results: 

- In 1951 the University requested $39,580,000; it received $6,675,000
- In 1953 the University requested $35,379,000; it received $8,096,000
- In 1955 the University requested $37,185,000; it received $8,855,000
- In 1957 the University requested $35,674,000; it received $14,275,000
- In 1959 the University requested $54,879,000; it received $14,190,000

The story was much the same during the war years and the depression. The last comprehensive building program took place at the University more than a quarter of a century ago. In the 1920's the University of Illinois did get its building supply into adequate relationship to its then current enrollment.

The recommended 1961-63 capital budget follows with the planning assumptions upon which the program for each of the campuses has been developed. It should be noted that the recommendations of Table III are based on the assumption that the funds listed in Table II, which were appropriated in 1959, will be received. For example, remodeling funds listed on Items 4 and 7 of Table III are in addition to remodeling Item 8 of Table II.

### Table II. Funds Appropriated in 1959 But Not Released

Reapproporation Is the Highest Priority

(Analyses of these projects were included in the 1959-61 recommendations)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Power Plant Addition</td>
<td>$ 4,045,000</td>
</tr>
<tr>
<td>2.</td>
<td>Utilities Distribution System</td>
<td>2,355,000</td>
</tr>
<tr>
<td>3.</td>
<td>To Supplement Outside Grants:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. Labor Relations Building</td>
<td>350,000</td>
</tr>
<tr>
<td></td>
<td>b. Health Research Facilities</td>
<td>835,000</td>
</tr>
<tr>
<td>4.</td>
<td>Land — Chicago Undergraduate Division</td>
<td>925,000</td>
</tr>
<tr>
<td></td>
<td>a. Planning and Improvement at Chicago Undergraduate Division</td>
<td>1,533,000</td>
</tr>
<tr>
<td>5.</td>
<td>Land — Urbana</td>
<td>451,000</td>
</tr>
<tr>
<td>6.</td>
<td>Completion of:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. First Stage of Physics Building</td>
<td>280,000</td>
</tr>
<tr>
<td></td>
<td>b. First Stage of Fine and Applied Arts Building</td>
<td>250,000</td>
</tr>
<tr>
<td></td>
<td>c. First Stage of Medical Research Laboratory at Chicago Professional Colleges</td>
<td>410,000</td>
</tr>
<tr>
<td>7.</td>
<td>Plans and Specifications</td>
<td>500,000</td>
</tr>
<tr>
<td>8.</td>
<td>Remodeling (Including protection of life and property)</td>
<td>1,625,000</td>
</tr>
<tr>
<td>9.</td>
<td>Public Improvement Projects</td>
<td>440,000</td>
</tr>
</tbody>
</table>

Total Funds Not Released (13,979,000)

### Funds Released to Date

1. Planning and Improvements at Chicago Undergraduate Division. 42,000
2. Land — Urbana. 19,000

Although $14,190,000 was appropriated, only a small fraction of this has been released to date due to a "freeze of funds." The University's program requires that all items on this schedule be performed prior to the next step proposed in Table III. 

Estimate of additional funds required to finance increased costs due to the delay of construction is approximately $213,300.
<table>
<thead>
<tr>
<th>Building Projects</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education Building</td>
<td>$3,455,000</td>
</tr>
<tr>
<td>Commerce Building</td>
<td>$3,200,000</td>
</tr>
<tr>
<td>Physics Building — Second Stage</td>
<td>$3,140,000</td>
</tr>
<tr>
<td>Remodeling, Rehabilitation, and Minor Additions — Urbana-Champaign (Schedule A)</td>
<td>$800,000</td>
</tr>
<tr>
<td>Library — Seventh Addition</td>
<td>$1,435,000</td>
</tr>
<tr>
<td>Medical Sciences Addition (Chicago Professional Colleges)</td>
<td>$3,640,000</td>
</tr>
<tr>
<td>Remodeling, Rehabilitation, and Minor Additions — Chicago Professional Colleges (Schedule B)</td>
<td>$2,213,000</td>
</tr>
<tr>
<td>Physical Plant Service Building — Urbana</td>
<td>$2,120,000</td>
</tr>
<tr>
<td>Electrical Engineering Building Addition</td>
<td>$1,300,000</td>
</tr>
<tr>
<td>Plant Sciences — Agronomy</td>
<td>$2,775,000</td>
</tr>
<tr>
<td>Additions for Offices and Instructional Space</td>
<td>$1,785,000</td>
</tr>
<tr>
<td>Central Receiving Station</td>
<td>$775,000</td>
</tr>
<tr>
<td>Relocation of South Garage and Motor Pool</td>
<td>$680,000</td>
</tr>
<tr>
<td></td>
<td>$29,808,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Utilities Distribution and Power Plant (Schedule C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbana-Champaign</td>
</tr>
<tr>
<td>Chicago Professional Colleges</td>
</tr>
<tr>
<td>(4,930,000)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Land and Planning (Schedule D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbana-Champaign</td>
</tr>
<tr>
<td>Chicago Professional Colleges</td>
</tr>
<tr>
<td>(3,795,000)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Protection of Life and Property, and Campus-Public Improvements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbana-Champaign (Schedule F)</td>
</tr>
<tr>
<td>Chicago Professional Colleges (Schedule G)</td>
</tr>
<tr>
<td>(808,000)</td>
</tr>
</tbody>
</table>

| Campus-Public Improvements (Schedule H) | $1,552,000 |
| Chicago Professional Colleges (Schedule I) | $110,000 |
| (1,662,000) |

<table>
<thead>
<tr>
<th>Funds to Supplement Outside Grants (Schedule J)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbana-Champaign</td>
</tr>
<tr>
<td>Chicago Professional Colleges</td>
</tr>
<tr>
<td>(1,500,000)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chicago Undergraduate Division (see Planning Assumptions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land acquisition and site development, architectural and engineering costs and building construction required to relocate the present two-year program</td>
</tr>
<tr>
<td>Total, Table III</td>
</tr>
</tbody>
</table>

1 Additional funds are in the process of being released.
2 To be purchased by the Medical Center Commission.
3 Subject to revision upon final selection of site.
Summary by Campus (excluding reappropriations)

<table>
<thead>
<tr>
<th>Campus</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urbana-Champaign</td>
<td>$36,385,000</td>
</tr>
<tr>
<td>Chicago Professional Colleges</td>
<td>7,813,000</td>
</tr>
<tr>
<td>Chicago Undergraduate Division</td>
<td>42,500,000</td>
</tr>
<tr>
<td><strong>Total, Table II</strong></td>
<td><strong>$86,698,000</strong></td>
</tr>
</tbody>
</table>

Schedule A — 1961-63 Biennium

**Remodeling, Rehabilitation, and Minor Additions — Urbana-Champaign**

Appropriation request $800,000.

Improvement and rehabilitation of existing buildings are urgently needed. Changes in existing space and minor additions and structures are required to accommodate the changes in programs. The following, while not listed in any order or priority, are examples of such needs:

- Library, air conditioning of main reading rooms
- Agriculture Engineering Building, remodeling
- Arcade Building, remodeling for University Extension
- Architecture Building, remodeling of space vacated by the Department of Art
- Chemistry Annex, replacement of ducts in the ventilation system
- Civil Engineering Hall, remodeling
- College of Veterinary Medicine, completion of secure isolation unit
- Electrical Engineering Annex, remodeling for Biophysical Laboratory
- English Building, remodeling basement for Physical Education for Women
- Harker Hall, remodeling of space to be vacated by the Department of Entomology
- Lincoln Avenue Dairy Barns, remodeling and addition
- Natural History Building, remodeling for College of Liberal Arts and Sciences
- New drying and threshing facilities for corn and small grain
- Remodeling additional off-campus space for increased enrollment
- Talbot Laboratory, addition for Department of Theoretical and Applied Mechanics
- Veterinary Medicine Research Annex, completion
- WILL Transmitter, addition to existing facilities at Robert Allerton Park

Minor Structures

- Home Management and Diet Research Houses for the Department of Home Economics
- Small Homes Council Offices and Shops
- University Press Book Warehouse

Total Requested 1961-63 Biennium $800,000

Schedule B — 1961-63 Biennium

**Remodeling, Rehabilitation, and Minor Additions — Chicago Professional Colleges**

Appropriation request $2,213,000.

The remodeling proposed for this biennium partly is in addition to that provided for in Table II and is the necessary next step in the planned program of the colleges. The following, while not listed in any order or priority, are examples of such needs:

- Administration remodeling (Phase II)
- East Dentistry-Medicine-Pharmacy Building, air conditioning (Phase II)
- East Dentistry-Medicine-Pharmacy Building, completion of laboratories
- Department of Biological Chemistry, completion of teaching laboratories
- Old general hospital, elevator rehabilitation
- Hospital tube system, extension
- Old Dentistry-Medicine-Pharmacy Building, improvement of mechanical services
- College of Dentistry, miscellaneous remodeling
- Research and Educational Hospitals, provision of surgical facilities on the fourth floor
- Department of Radiology, provision of an X-ray viewing and storage room
- Biochemistry laboratories, rehabilitation (some matching funds are available for this project)
12. Miscellaneous neuropsychiatric facilities, rehabilitation to improve patient care areas
13. Remodeling the space vacated by the Animal Hospital
14. Old Dentistry-Medicine-Pharmacy Building, remodeling and rehabilitation of classrooms
15. Department of Dermatology, remodeling
16. Dietary Kitchen, remodeling and rehabilitation
17. East Dentistry-Medicine-Pharmacy Building, remodeling basement locker room
18. Locker rooms and medical records filing area in the basement of the east wing, remodeling
19. Orthopaedic Building, remodeling the second and fourth floors for offices and laboratories
20. Orthopaedic Building, remodeling the basement, second and third floors
21. Space for a radioisotopes receiving station recommended by the radioisotopes safety committee

Minor Structures
Drug and Horticultural Station, construction of facilities

Schedule C —1961-63 Biennium
Utility Distribution and Power Plant — Urbana-Champaign and Chicago Professional Colleges

Appropriation request $4,930,000.
Steam demands from existing facilities on the campus are now in excess of the firm capacity of the plant. In the event of severe weather conditions, it will probably be necessary to reduce temperatures in buildings and perhaps to curtail the use of steam in certain areas entirely. The electric demands from existing facilities and buildings now under construction will also exceed the firm capacity of the power plant by about January, 1961. Although funds were provided in the 1959-61 biennium to offset this difficulty, they have not yet been released and the University is making plans for the purchase of power until additional generating equipment can be installed. The additional buildings recommended for construction during 1961-63 will require additional capacity of the power plant and major extensions of the utility distribution system.

At the Chicago Professional Colleges, increased electrical capacity must be provided for the old Dentistry-Medicine-Pharmacy Building. Also included is the replacement of telephone cables which cost will be amortized in approximately three and one-half years.

The appropriation requested will provide for:

1. Power Plant Addition
   a. Boiler plant — 300,000 lbs/hr.............................................. $ 4,000,000
   b. Electrical plant — 7500 K.W............................................. 2,100,000
2. Extension of the utilities distribution system............................................. 4,930,000
3. Extension of electrical distribution system and replacement of telephone cable (Chicago Professional Colleges)............................................. 300,000

Total.......................................................... $11,330,000
Less funds to be included in 1959-61 appropriation schedule to be reapportioned.......................................................... 6,400,000
Total Requested 1961-63 Biennium.......................................................... $ 4,930,000

Schedule D —1961-63 Biennium
Land Acquisition — Urbana-Champaign
Appropriation request $2,930,000.

The construction of a major building requires approximately two years to complete. However, it is necessary to acquire the land which will serve as a site prior to the biennium in which the construction is to be started. Additional land is required for buildings, both academic and housing, for parking, and to replace land to be released by the College of Agriculture when it is required by Campus expansion.

In addition to the need to provide funds for the purchase of land for sites of buildings to be constructed in 1963-65, some funds should also be available when certain parcels of land are offered for sale. Purchases made at such times result in lower acquisition costs and make possible interim use by the University.
Land Acquisition — Chicago Professional Colleges

To be financed by the Medical Center Commission ($865,000).

In planning for the enlargement of the University's facilities for the conduct of its educational and patient care programs in recognition of the increasing number of students and the enlarged programs of research being conducted in the Professional Colleges, the University has worked closely with the Medical Center Commission to determine that land which the University will need in 1961-63.

Schedule B — 1961-63 Biennium

Campus Planning and Building Studies — Urbana-Champaign and Chicago Professional Colleges

Appropriation request $2,460,000.

The University has recognized the value of allowing adequate time for a thorough study and analysis of departmental requests for space and for the preparation of building studies and designs. As mentioned earlier in this report, the buildings recommended for construction during this biennium are limited to those for which the University has the ability to prepare plans and specifications, take bids, and complete the construction of the building in one biennium. This points out the extreme necessity to have funds appropriated for building studies and plans and specifications in the biennium prior to that in which construction is to be started (i.e., funds appropriated in 1961-63 for building studies would be expended on building projects to be constructed in 1963-65). This procedure will eliminate the need for reappropriating funds and allow more effective planning and designing of future University buildings.

The appropriation requested will provide planning funds for the twenty-five projects listed below:

<table>
<thead>
<tr>
<th>Planning for</th>
<th>Urbana</th>
<th>Chicago Professional Colleges</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Listed Alphabetically)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Aeronautical Engineering Building — First Stage</td>
<td>$125,000</td>
<td>$125,000</td>
<td></td>
</tr>
<tr>
<td>2. Agronomy Unit — Second Stage</td>
<td>120,000</td>
<td>120,000</td>
<td></td>
</tr>
<tr>
<td>3. Biology Building — Second Stage</td>
<td>180,000</td>
<td>180,000</td>
<td></td>
</tr>
<tr>
<td>4. Campus Planning</td>
<td>70,000</td>
<td>$30,000</td>
<td>100,000</td>
</tr>
<tr>
<td>5. Civil Engineering Building — First Stage</td>
<td>180,000</td>
<td>180,000</td>
<td></td>
</tr>
<tr>
<td>6. Commerce Building — Second Stage</td>
<td>84,000</td>
<td>84,000</td>
<td></td>
</tr>
<tr>
<td>7. East Chemistry Building — Addition</td>
<td>180,000</td>
<td>180,000</td>
<td></td>
</tr>
<tr>
<td>8. East Dentistry-Medicine-Pharmacy Building — Addition (Chicago Professional Colleges)</td>
<td>120,000</td>
<td>120,000</td>
<td></td>
</tr>
<tr>
<td>9. Education Building — Second Stage</td>
<td>31,500</td>
<td>31,500</td>
<td></td>
</tr>
<tr>
<td>10. Electrical Engineering Building — Addition</td>
<td>90,000</td>
<td>90,000</td>
<td></td>
</tr>
<tr>
<td>12. Fine and Applied Arts Building — Third Stage</td>
<td>38,000</td>
<td>38,000</td>
<td></td>
</tr>
<tr>
<td>13. Hospitals — Addition (Chicago Professional Colleges)</td>
<td>180,000</td>
<td>180,000</td>
<td></td>
</tr>
<tr>
<td>14. Library — Eighth Addition</td>
<td>71,000</td>
<td>71,000</td>
<td></td>
</tr>
<tr>
<td>15. Library — Ninth Addition</td>
<td>60,000</td>
<td>60,000</td>
<td></td>
</tr>
<tr>
<td>16. Medical Sciences Addition — Second Stage (Chicago Professional Colleges)</td>
<td>125,000</td>
<td>125,000</td>
<td></td>
</tr>
<tr>
<td>17. Natatorium for Physical Education</td>
<td>80,000</td>
<td>80,000</td>
<td></td>
</tr>
<tr>
<td>18. Physical Plant Service Building (Chicago Professional Colleges)</td>
<td>40,000</td>
<td>40,000</td>
<td></td>
</tr>
<tr>
<td>19. Preliminary Studies on Projects Seeking Outside Financing</td>
<td>20,000</td>
<td></td>
<td>20,000</td>
</tr>
</tbody>
</table>

*To prepare studies to be used in seeking funds from foundations and other sources to finance construction of certain projects.*
Schedule F — 1961-63 Biennium

**Protection of Life and Property — Urbana-Champaign**

Appropriation request $333,000.

1. Improvement of Swimming Pools (to comply with the recommendations of the State Department of Public Health)
   a. Huff Gymnasium ........................................... $ 22,000
   b. For Women's Physical Education ........................... 17,000
2. Burrill Avenue Bridge — widening and realignment to reduce hazards to vehicular traffic .... 61,000
3. Replacement of 750 GPM Triple Combination fire truck ... 25,000
4. Replacement of obsolete elevators in
   a. Library (east) ........................................... 55,000
   b. Mumford Hall ........................................... 50,000
Total .................................................... $333,000

Schedule G — 1961-63 Biennium

**Protection of Life and Property — Chicago Professional Colleges**

Appropriation request $575,000.

The program developed by the Chicago Professional Colleges Campus Planning Committee includes:

- Fire and safety improvements in the Hospital
- Corrections of electrical deficiencies (second phase)
- Provision of emergency electrical service to critical areas of the Hospitals

Schedule H — 1961-63 Biennium

**Campus-Public Improvement Projects — Urbana-Champaign**

Appropriation request $1,552,000.

For many years the University has followed the policy of contributing its proportionate share of the costs of duly approved public and street improvement projects sponsored by local public agencies when such improvements adjoin University properties and/or from which the University received benefits.

In addition, the University recommends the provision of funds for other additional projects urgently required.

The following list of projects are those recommended for the 1961-63 biennium:

1. Upper Embarrass River drainage district (Clark, Daily, and Dietz Report) .......................... $ 92,000
2. Southeast campus storm sewer (1961-63 share of costs committed in 1959-61) ............... 75,000
3. Urbana-Champaign Sanitary District storm sewer improvement (1961-63 share of costs committed in 1959-61) .......................... 65,000
4. Green Street widening and resurfacing (1961-63 share of costs committed in 1959-61) ....... 105,000

*This total does not include an estimate for the Undergraduate Library Preliminary Studies.

*In addition to funds included under reappropriation.
5. First Street improvement from Florida Avenue to 650 feet South of St. Mary's Road. $186,000
6. Fourth Street improvement from Florida Avenue to St. Mary's Road. 121,000
7. St. Mary's Road improvement from the Illinois Central Railroad to Fourth Street. 280,000
8. Sixth Street improvement from Gregory Drive to Pennsylvania Avenue. 124,000
9. Campus Development Projects. 500,000
   a. Reforestation and stump removal
   b. Widening and improving existing streets and drives
   c. Relocation of Illini Grove
   d. Miscellaneous site improvement projects
   Total. $1,552,000

Schedule I — 1961-63 Biennium
Campus—Public Improvement Projects — Chicago Professional Colleges
Appropriation request $110,000.
Recently acquired areas from the Medical Center Commission require certain public improvements. They are as follows:
   Wolcott Avenue and Winchester Street
   Damen Avenue
   Taylor Street and Winchester Street
   Taylor Street and Marshfield Avenue
   Hermitage Avenue between Taylor Street and Polk Street
   Hermitage Avenue

Schedule J — 1961-63 Biennium
To Supplement Funds from Federal, Private, and Other Grants — All Campuses
Appropriation request $1,500,000.
In the last two years grants and other supplemental funds have become more readily available to universities and other state institutions. It is anticipated that this trend will continue and the University should be prepared to achieve the most building space for its dollar. The appropriation requested will be adequate for several of the projects listed. Examples of these projects are as follows:
   Biophysics projects
   Bioacoustics Laboratory
   Electron Microscope Laboratory
   Research facilities for the Digital Computer Laboratory
   Research facilities for the Department of Chemistry and Chemical Engineering
   Research facilities for the Department of Civil Engineering
   Research facilities for the Betatron
   Research facilities for the Department of Physiology
   Physical Environment and Aeromedical Laboratories
   Public Service Training Center (Continuation Center)
   Radioisotopes Laboratory
   Research methods for Sociology and Anthropology
   R.O.T.C. facilities
   Research facilities for Biochemistry
   Research facilities for Pharmacology
   Research facilities for Psychology

PLANNING ASSUMPTIONS

Applicable to All Campuses
1. It is recognized that all priorities proposed by the Building Program Committee are established on the assumption that most of the requested funds will be obtained, and that if there is a major reduction, such as occurred in 1959, priority ratings must be reconsidered by the University Administration during its negotiations with the Governor and members of the Legislature on the basis of money likely to be available.
2. A project should be completed in one biennium in order that it will not be necessary to request reappropriations from the State Legislature. Thus, buildings recommended for construction in 1961-63 are limited to those projects for which
plans and specifications can be prepared in time to permit completion of construc-
tion before September 30, 1963.
3. In general, each building project cost will be limited to a maximum expend-
titure of $4,000,000 in any one biennium.
4. Funds requested for planning and specifications will vary with the status of
the Bond Issue. If the Bond Issue passes, presumably the disadvantages of reap-
propriation of funds would not develop so that larger building projects which re-
quire more than one biennium for planning and construction could be recommended.
5. Planning funds will be listed alphabetically and without priority so that
commitments for the subsequent building program are not made.
6. Planning funds requested in the 1961-63 biennium will not exceed $180,000
(which is 4½ cent of $4,000,000) for any project. This limits any project to
be constructed in the 1963-65 biennium to approximately $4,000,000 and implies
that staged construction will be required for projects estimated to cost more.
7. It is assumed that planning funds will be available during 1959-61 for the
following:
   a. Education Building
   b. Commerce Building
   c. Medical Sciences Addition
   d. Electrical Engineering Addition

Plans for the construction of these buildings, based upon the space programs
requested in 1959, will be ready to go out for bids by July 1, 1961.
8. The space to be constructed in 1961-63 is based on the priority and space
program of 1959 and will not exceed the space allocated in the original program
for any project.

_Urbana-Champaign Campus_
1. The housing program will continue to be financed through income. How-
ever, it is assumed that capital appropriations will include funds to provide land
and utility extensions.
2. The recommended program is based on the University standards for space.
3. Planned utilization of space will be higher than at present.
4. Construction costs are estimated at the 1961 level.
5. Generally speaking, land acquisition and building planning must be com-
pleted the biennium preceding the two years used for construction.

_Chicago Professional Colleges_
1. Land acquisition will continue to be financed from appropriations to the
Medical Center Commission.
2. In general, the need for a proposed program results from:
   a. Changes in operational needs and patient care concepts in hospitals.
   b. Changes in the basic concepts of medical education.
   c. Growth and enrollment intensification of research and improvement in
      service.
   d. Obsolete condition of some buildings. The original structures were ob-
tained in a transfer to the University from the State Department of
      Public Welfare. The buildings were originally constructed for welfare
      use and were ill-suited for modern, medical and dental college use.
      Subsequent remodeling has improved materially the facilities, but much
      remains to be done. The plans proposed represent a thoughtful study of
      what is needed to improve the facilities for a first-rate group of colleges
      of medicine, dentistry, pharmacy and nursing.
3. The space estimates are based on the same standards of allocation and
   utilization as proposed at Urbana-Champaign where applicable.
4. Clinical facilities in the Medical Center District will be available to the
   University of Illinois supplementing those of the Research and Educational
   Hospitals.

To achieve the best results in education for the health professions and
in-patient care, a high degree of utilization of many functions is necessary. In
terms of the existing facilities of the Chicago Professional Colleges and its
educational programs now in progress, a high concentration of buildings has been
found to be advantageous. This has been the experience in other like institutions.
Such concentration promotes cohesion between basic scientists and the clinicians,
between teaching research and patient care and among all the disciplines involved
in the health sciences.
The building and remodeling program is believed to be sound in principle and logical in sequence. The analysis of needs for these colleges has been based on the revised University standards for offices, laboratories, and classrooms. The program has also been based on the changing character of the faculties of the colleges of medicine and dentistry where the trend has been toward full-time teachers being added to the staffs. Maintenance of such a staff is only possible through the provision of adequate office, research, and patient care facilities.

Chicago Undergraduate Division

The Legislature and the University are committed to the policy of providing permanent facilities for the relocation of the Chicago Undergraduate Division. The first stage of this program will provide permanent space for six thousand students in a two-year program. Planning is being pushed forward as rapidly as possible to allow for the relocation of the Chicago Undergraduate Division from the Navy Pier site to a permanent site as rapidly as possible.

The following request represents the results of intensive academic and physical planning and programming for the relocation of the Chicago Undergraduate Division which must be completed by 1963.

Land Acquisition, Site Development, Building Construction, and Architectural and Engineering Costs

$42,500,000

ANALYSIS OF BUILDING PROJECTS RECOMMENDED FOR THE 1961-63 BIENNIUM

(Refer to Table III)

Project — College of Education Building

Appropriation request $3,455,000; Gross Square Feet 95,000.

Gross space shortages, inadequacy of present facilities, extreme dispersion of staff, and high percentage of temporary space, combine to make the College of Education's need an urgent one. Based on the 1956 standards of the Building Program Committee, the College had a deficit of approximately 23,304 square feet. Since that time, the academic staff has increased 40 per cent and the number of students has increased 36 per cent, but the College's space has only gone up 11 per cent. The average office space per staff member is approximately 70 net square feet with many members in offices of no more than 60 square feet. Over two-thirds of existing space assigned to the College is in temporary type facilities. These facilities are in twenty-four buildings dispersed from Main Street to Pennsylvania Avenue and from Lincoln Avenue to Sixth Street.

Project — College of Commerce Building

Appropriation request $3,200,000; Gross Square Feet 88,000.

The activities of the College of Commerce and Business Administration have been located in David Kinley Hall since 1925. The traditional programs leading to a Bachelor of Science degree, to masters' degrees in these fields, and to the Doctor of Philosophy degrees in several fields have been offered. The work in these areas has expanded rapidly since the College has occupied the building, which has for many years been grossly inadequate to house the staff, the classes, and the activities of the College.

There have been increasingly close relationships between executives of the business world and colleges of commerce and business administration. This has been evidenced at the University of Illinois College by the establishment of the Bureau of Business Management, the Bureau of Economic and Business Research, and the Bureau of Commerce Placement. The present building is not suitable for present programs and is particularly lacking in office space, conference rooms, graduate-type classrooms, the laboratories necessary for modern instructional methods, and other facilities.

The College of Commerce and Business Administration staff offices are presently located at six different locations, four of which are temporary-type buildings. There are very few single-station staff offices and in many instances, graduate teaching assistants must share desks with one another.

1 Subject to revision upon final selection of the site.
Project—Completion of the Second Stage of the Physics Building

Appropriation request $3,140,000; Gross Square Feet 98,200.

Plans and working drawings for the total new Physics Building of 105,000 net square feet were completed in 1955-57. However, construction was scheduled to allow the building to be built in two stages. The first stage was completed sufficiently for occupancy in 1959; however, this stage contains service facilities, offices, and research laboratories only. The second stage will contain teaching laboratories, classrooms, and lecture rooms sufficient to accommodate a peak load of 1,100 students at one time and more offices and research laboratories. Present teaching facilities in the old building are crowded to the limit of capacity. Rising enrollment in general physics is overloading the lecture rooms and requiring evening laboratory sections. Even if the incoming freshman class is limited to its present number, improved retention through selective admission may increase the teaching load by as much as 50 per cent.

The completion of the second stage of the Physics Building will allow the reassignment of the old building and eliminate the necessity for construction during the ten-year period of an addition to the Transportation Building for the Department of General Engineering, space for the Department of Mining and Metallurgical Engineering, and give indirect relief to the Departments of Mechanical and Industrial Engineering and Aeronautical Engineering.

Project—Library, Seventh Addition—Urbana-Champaign

Appropriation request $1,435,000; Gross Square Feet 38,800.

Library space needs are of four kinds: accommodations for readers, book storage, work room for library staff, and space for instruction. The proposed wing would provide urgently needed reading rooms, faculty studies, space for technical activities (acquisitions, bookbinding, cataloging, and photographic reproduction), and Library School classrooms.

The rapid growth, quantitatively and qualitatively, of the University of Illinois Library is a remarkable phenomenon. Here is the third largest university library in America, and probably in the world. The Library is one of the strongest bonds, holding an outstanding faculty to the University, and is an important influence in attracting top-notch graduate and professional students. No university can be truly great without a great library, and Illinois' reputation is based in no small degree upon the possession of such a library. Furthermore, a library is never finished, for a library that has stopped growing is dead, and soon loses much of its interest and value for the scholar. Under today's conditions it is inconceivable that scholars could be developed and trained and carry on their work without access to libraries. Even those subject fields which depend primarily on laboratories must support strong libraries in order to avoid repetition of effort and to serve as points of departure for new scientific advances. It may be fairly stated that an adequate library is not only the basis of all teaching and study, but also is an essential condition for research, without which additions are unlikely to be made to the sum of human knowledge.

To assure that the University of Illinois Library will continue to hold its outstanding position of leadership among the world's university libraries and make its maximum contribution to the University community, the Building Program Committee recommends a high priority for the proposed addition.

Project—Medical Sciences Addition—Chicago Professional Colleges

Appropriation request $3,640,000; Gross Square Feet 68,000.

Architectural studies indicate that provision of the required additions to the physical facilities of the College of Medicine can be acquired only through the construction of a new building in close proximity to the facilities now used by the basic science departments. Several possibilities have been considered, but the integration of the needs of the College of Medicine with those of other colleges, especially the College of Dentistry, will be served best by relocating the teaching laboratories which are now used jointly by the Departments of Microbiology and Pathology and the offices and research laboratories of the Department of Microbiology and the Aeromedical Laboratory in the building to be constructed. It has been proposed further that the Medical Sciences Addition be constructed south and adjacent to the west wing of the current Dentistry-Medicine-Pharmacy Building. If this is done, the obsolete teaching laboratories for Pathology and Micro-
biology and the entire space now occupied by the Department of Microbiology can be made available for the needed future expansion of the College of Dentistry. This proposed location of the new Medical Sciences Addition first phase will also provide appropriate expansion of the Departments of Biological Chemistry, Pathology, and Microbiology. In order to provide for future campus development, a portion of the first floor will be designed for clinics in accordance with the campus development program.

Enrollment estimates for 1969 anticipate a 27 per cent increase in enrollment in the Colleges of Dentistry, Pharmacy, Nursing, paramedical curricula, and graduate student programs, with a corresponding expansion of the existing instructional programs, the establishment of new instructional programs where needed, and a proportionate expansion of research in basic science fields. It should be emphasized that two hundred freshman students are now enrolled annually in the College of Medicine. This enrollment represents a 20 per cent increase in the freshman enrollment in the College of Medicine since 1955. Since there was no corresponding expansion of the physical facilities to accommodate these enlarged classes, the departments of the basic medical sciences have been confronted with increasing difficulties in the procurement and the holding of an adequate teaching faculty to properly carry out the educational responsibilities the College of Medicine has already undertaken. In view of the fact that these same departmental facilities will have the responsibility for increasing numbers of students in other colleges, as noted above, it would appear logical to assign the first priority of new construction needs for the Chicago Professional Colleges campus to the proposed Medical Sciences Addition.

Project — Physical Plant Service Building, First Stage

Appropriation request $2,120,000; Gross Square Feet 133,000.

The Physical Plant Department, upon completion of the proposed building, will vacate approximately 89,000 gross square feet of building space for reassignment to others and to provide land areas required for sites for construction by the College of Engineering.

Physical Plant service facilities of new and modern construction are urgently needed to replace the present inadequate, widely scattered, and poorly located areas now in use. The replacement of these facilities is urgently needed to reduce operation and maintenance costs, to provide adequate working space to meet service requirements of present and proposed building, to eliminate present potential fire and physical hazards to life and property, and to enable the University to maintain a standard equal to that required of private industry by state law.

Service facilities are now inadequately housed in sixteen buildings, or portions thereof, in congested and widely-separated areas. There are seven shops located in five different buildings which, by reason of their potential fire, safety, and health hazards, poorly arranged and limited work area, physical obsolescence, and lack of proper storage, toilet, and washroom facilities, should be removed to a new location at the earliest possible time. Four of these shops are located in buildings not suitable for shop use. The remaining shops and stores and the administrative offices occupy space that can be converted for other uses.

The decentralization of present facilities results in delays and increased cost of all Physical Plant services. This results in nonproductive time of all employees for travel to and from shops and offices; the duplication of equipment, records, and, in some instances, personnel; the rehandling of materials and supplies; and makes close supervision extremely difficult and costly. The absence of safe and secure storage and yard space results in damage to and loss of materials and supplies, and in the rapid deterioration of expensive equipment through exposure to the elements. The present facilities can not be expanded to meet the requirements and work load resulting from the construction of new buildings and the general expansion of the University programs.

It is estimated that the anticipated economies in operation and maintenance expenditures, resulting from the provision of new facilities, will produce an annual saving of $75,000 to $100,000 or perhaps more.

Project — Electrical Engineering Building Addition

Appropriation request $1,300,000; Gross Square Feet 34,500.

The needs for building space in Electrical Engineering, accruing over the past ten years, have become even more critical during the past three years. Since 1957
the staff in the Department of Electrical Engineering has grown from 222 to 279 members. To house these additional staff members, it has been necessary to establish make-shift office areas in laboratories and to squeeze additional people into existing offices. At present, 110 academic staff are housed in 6,820 square feet of the Electrical Engineering Building for an average of slightly over 60 square feet per staff member.

Since 1957 graduate enrollment in the department has almost doubled from 120 to 225. This growth has created the following specific needs in the graduate area which must be satisfied immediately:

1. Graduate student research facilities. The need here is emphasized by the fact that in the electronics area existing facilities provide for only two doctoral work spaces.

2. A general graduate laboratory for training at the master's degree level. No facilities exist at present for this activity.

3. Two or three small conference rooms are needed for graduate student seminars and oral examinations.

The site is available and most of the foundations for the addition now exist (constructed as part of the first unit built in 1949) in the present Electrical Engineering Building. The need for building space in the Department of Electrical Engineering, based on enrollments, teaching units, number of staff, research needs, and all other criteria shows it to be critical.

Project — Plant Sciences — Agronomy, First Unit

Appropriation request $3,700,000; Gross Square Feet 82,000.

Except for some minor adjustments, the Department of Agronomy is occupying the same quarters that it did in 1923 despite a three-fold increase in staff since that time. It is proposed to build a Plant Sciences Building which will ultimately house the Departments of Agronomy, Horticulture, Forestry, and Plant Pathology. This will allow vacation of Davenport Hall by the Departments of Agronomy and Plant Pathology, the Vegetable Crops Building, the Floriculture Building, and will release some space in Mumford Hall for expansion of other College of Agriculture activities.

Space occupied by the Departments of Agronomy and Plant Pathology in the center part of the campus is urgently needed for expansion of the College of Liberal Arts and Sciences. It is proposed that the recommended appropriations for the first unit of the Agronomy stage of the Plant Sciences Building will allow the relocation of those functions not requiring a central location.

Project — Additions for Offices and Instructional Space

Appropriation request $2,775,000; Gross Square Feet 85,000.

The College of Liberal Arts and Sciences which teaches more than 50 per cent of the total instructional load of the Urbana campus, requires additional space to provide offices for faculty to be added during the coming two years. In the past, the College generally has acquired office space by a release from other colleges due to new construction. This will probably continue in the future due to the central location required by the College in servicing all areas of the University and the existing built-up condition of the central area. In addition, the College has staff located in temporary quarters, many of which are on sites for new buildings. As provision must be made for housing new staff as the enrollment grows, provision must also be made for relocating staff from buildings which must be torn down.

The administrative offices of the University are also seriously overcrowded at present and will require additional space as the enrollment of the University increases.

The Office of Admissions and Records is seriously overcrowded, even though remodeling in 1958 temporarily alleviated conditions. The Office has estimated that an additional fourteen people will be needed prior to the end of the 1961-63 biennium, with further mechanization and automation wherever possible. It is necessary to have additional space contiguous to their present location due to the many records handled by the Office. The space must be adequate for receiving and conferring with the thousands of citizens of the state of Illinois who come to the Office of Admissions and Records.

The Statistical Service Unit presently located in the Arcade Building has
urgent need for space near the Business Office and the Office of Admissions and Records. Approximately 70 per cent of the total work load of the Statistical Service Unit is performed for these two functions.

The proposed appropriation will provide space for the above-mentioned functions. This space may be constructed most quickly as a south and/or north addition to the Administration Building because preliminary drawings were made several years ago and these could be completed soon. Just as this construction would provide an interim solution to the space problems of both the Administrative offices and the College of Liberal Arts and Sciences, it would also fit into the long-range solution to the problems of the College.

Other alternate solutions, one of which may be more feasible as studies are completed, are:

1. The construction of a new Administration Building and the reassignment of the present Administration Building to the College of Liberal Arts and Sciences. Such a proposal would relocate administrative offices several years earlier than formerly anticipated but it would release urgently required space for reassignment to the College of Liberal Arts and Sciences at once.

2. Construction of an office-classroom building. This proposal would provide the same amount of space as would two additions to the Administration Building but it would separate the administrative offices into two groups.

3. Construction of one wing to the Administration Building and an addition to an existing central campus building. This proposal has the advantage of consolidating administrative offices, and the College of Liberal Arts and Sciences instructional space in the same areas. However, it would probably result in an extended time-lag before the administrative offices are relocated from the Administration Building and the vacated space assigned to the College of Liberal Arts and Sciences.

The College of Liberal Arts and Sciences has placed a high priority on the reassignment of the Administration Building to it because of its pressing needs for office and classroom space.

Project — University Press Addition

Appropriation request $655,000; Gross Square Feet 35,400.

The University Press is located in the basement of the Administration Building which also houses the administrative offices of the President, Provost, Admissions and Records, Business Office, etc. This space is urgently required by other activities which need proximity to these offices. In addition, the noise of the press type casters, press vibrations, fumes from solutions and melting lead, and traffic of incoming and outgoing shipments of tons of paper and publications is a serious distraction to the other offices in the building.

The press was located in the Administration Building at its inception (1918) with the mechanical divisions in the basement and the editorial and administrative offices on the upper floors. In 1958, the first unit of the University Press Building was completed and the editorial, art, and sales divisions were moved to this building. Present space occupied in the basement of the Administration Building by the Press is far too small for present printing needs of the University. Standing type must be stored in a public hallway and is subject to damage and misplacement. The bindery space is so inadequate that skids of printed sheets must be moved in and out constantly to provide working room for folders, stitchers, and trimmers and there is no space for general storage of paper for printing jobs or for stacking printed sheets or for publications on runs of more than a few thousand copies. In addition, the lack of space prevents the Print Shop from taking advantage of newer and more efficient processes, particularly larger offset presses and plate-making equipment.

Upon completion of the University Press Addition and relocation of the Print Shop from the Administration Building basement, it is proposed that the basement be reassigned to the Statistical Service Unit whose primary duties are closely related to the administrative offices.

Project — Central Receiving Station

Appropriation request $775,000; Gross Square Feet 43,000.

The Central Receiving Station has been operating since November, 1949. Prior to that time all purchases were delivered directly to departments. The need
for a central point through which to clear shipments became so urgent that it was
decided to inaugurate the service in low-cost buildings, with the understanding
that the arrangement would be temporary. A temporary steel building (Quonset
Hut) was erected, which was insulated and provided with heat. Another steel
warehouse has been added but this addition is not insulated or heated. They are
located on the extreme east end of the Physical Plant storage area east of Good­
win Avenue. Also prior to the establishment of Central Receiving, a steel building
was erected in the same area for warehousing for Office Supply Storeroom.

The operation has been surprisingly successful in meeting the requirements
in view of the difficulties imposed by inadequate space and poor location. With
the anticipated increase of activities, the time is fast approaching when it will no
longer be possible to handle the load with existing facilities. The present tem­
porary buildings do not provide suitable places for men to work. Only one of
them, the Central Receiving Station, is insulated and kept reasonably warm. The
others are not insulated and as they require daily use the men must spend con­siderable time in them without regard to weather.

The proposed building will provide ample space for the Central Receiving
Station and warehousing and storage to house the Office Supply and General
Chemical Storerooms. In addition, it will allow for the vacation of land required
for expansion of the College of Engineering.

It is important that the departments of the University receive needed mate­
rials and equipment promptly and in good condition. To accomplish this, the
Purchasing Division and storerooms must have proper facilities for storage and
delivery.

Project — Relocation of South Garage and Car Pool

Appropriation request $600,000 (about half of the cost is for paving, fencing,
lighting, site improvements, and equipment); Gross Square Feet 15,000.

The present south garage and car pool is located east of the Agricultural
Engineering Building and north of Peabody Drive and occupies approximately
one and three-quarters acres of land. Current planning indicates that this space
will be needed for the expansion of academic buildings in the period prior to
1969. Although the land is not immediately required, the best estimate to date
indicates that at the present rate of increase in travel demands, the physical ca­
pacity of the present site will be exceeded by 1963. At that time, a new and larger
site for the car pool and garage should be ready for operation.

It is proposed to relocate the south garage and motor pool to an area south
of Florida Avenue and adjacent to the Illinois Central Railroad tracks in associa­
tion with other Physical Plant Service Buildings. Approximately three and one­
half acres will be required to provide a garage building, service area, and paved
storage lot for University vehicles and a customer parking area for those people
desiring to use the University vehicles.

1959-1961 UNIVERSITY BUILDING PROGRAM COMMITTEE

NORMAN A. PARKER, Chairman
ROYDEN DANGERFIELD
GRANVILLE A. BENNETT
RUSSELL N. SULLIVAN
ROBERT P. HACKETT

STAFF
CHARLES S. HAVENS
ERNEST L. STOUFFER
JAMES V. EDSALL
HARLAN D. BAREITHER
DONALD C. NEVILLE, Secretary