MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

February 21, 1968

The February meeting of The Board of Trustees of the University of Illinois was held in the Chicago Illini Union on the Medical Center campus, Chicago, Illinois, on Wednesday, February 21, 1968, beginning at 10:00 a.m.

President Timothy W. Swain called the meeting to order and asked the Secretary to call the roll. The following members of the Board were present: Mr. Howard W. Clement, Mr. Donald R. Grimes, Mr. Ralph C. Hahn, Mr. Earl M. Hughes, Mr. Theodore A. Jones, Mr. Harold Pogue, Mr. Timothy W. Swain. Governor Otto Kerner, Mr. Ray Page, Dr. James A. Weatherly, and Mr. Kenney E. Williamson were absent.

Also present were President David D. Henry; Executive Vice-President and Provost Lyle H. Lanier; Chancellor Norman A. Parker, University of Illinois at Chicago Circle; Chancellor Joseph S. Begando, University of Illinois at the Medical Center; Chancellor Jack W. Peltason, University of Illinois at Urbana-Champaign; Dr. Eldon Johnson, Vice-President of the University; Mr. C. S. Havens, University Director of Physical Plant Planning and Construction; Mr. C. E. Flynn, Assistant to the President and University Director of Public Information; Mr. James J. Costello, Legal Counsel; Dr. Daniel C. McCluney, Dean of Faculties, Chicago Circle; Dr. James B. Holderman, Associate Chancellor, Chicago Circle; Mr. Vernon L. Kretschmer, University Associate Director of Physical Plant Planning and Construction; Mr. R. C. Wicklund, Staff Associate in the Board of Trustees Office and Assistant Secretary of the University; Mr. Eugene S. Pitcher, Assistant to the Director of the Physical Plant, Urbana; Mr. Robert W. Evans, Director of Public Information, Urbana; Mr. Max I. Light, Director of Public Information, Medical Center; Mr. Grover E. Shipton, Director of Public Information, Chicago Circle; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. R. R. Manchester, Treasurer, and Dr. Earl W. Porter, Secretary.
MINUTES APPROVED

The Secretary presented the minutes of the meeting of the Board of Trustees on March 14, 1967, press proof copies of which have previously been sent to the Board.

These minutes were approved as printed on pages 425 to 472, inclusive.

SEVENTY-FIFTH ANNIVERSARY OF THE INAUGURATION
OF JOHN PETER ALTGELD AS GOVERNOR OF ILLINOIS

Mr. Pogue presented and moved adoption of the following expression of recognition of the Seventy-fifth Anniversary of the Inauguration of John Peter Altgeld as Governor of Illinois.

The motion was unanimously approved.

On January 10, 1893, John Peter Altgeld was inaugurated as Governor of Illinois. Last month marked the seventy-fifth anniversary of this event.

To those familiar with his life, Governor Altgeld's contributions to this state and to the ideals of democracy were remarkable. From impoverished beginnings he rose to be a successful lawyer, a judge, and finally, a chief executive with a distinguished record of hospital and prison reform. Even more noteworthy is the fact that, having attained these goals, he knowingly courted financial and political ruin to free three anarchists convicted in the aftermath of the Haymarket affair.

Historians of the University of Illinois have pointed out Governor Altgeld's part in supporting greatly increased appropriations for the University and encouraging expansion plans.

To members of this Board, however, the contributions of Governor Altgeld, as reflected in the minutes of its meetings, assume greater relevance. In the minutes of the June 6, 1893, meeting, it is recorded that the Board adopted the suggestion of the Governor, made after he completed the commencement address that day, that the construction of a new building for the College of Engineering be accelerated as rapidly as possible. At the August 1, 1894, meeting, on motion of the Governor, "it was voted that the secretary of the board be directed to prepare a statement of the special advantages of this University," copies of which would be sent to all "male teachers of the state and to others interested in education." Later entries find him proposing the resolution for the acquisition of the Chicago College of Pharmacy and taking an active part in the selection of a design for the library building which was later to bear his name. A contemporary summary of the Governor's role appears in a report of the Chairman of the Buildings and Grounds Committee:

"Ever since the incumbancy of Governor Altgeld, he has been a warm friend of the University of Illinois and has in every way practicable exercised his influence and authority to promote its welfare."

On the occasion of this anniversary, the Board of Trustees hereby records again its appreciation for the leadership, support, and vision which Governor Altgeld gave to the Board and to the University during his term of office.

REPORT OF COMMITTEE ON GENERAL POLICY

Mr. Hughes, for the Committee on General Policy, presented a report on a matter considered by the Board of Trustees on January 17, 1968, and referred to the Committee.

On January 17, 1968, Mr. John Pappademos, President of the Chicago Circle Federation of Teachers, Local 1627 (American Federation of Teachers, AFL-CIO), presented a request that the Board of Trustees "authorize an immediate election to allow the Chicago Circle faculty an opportunity to elect a bargaining agent." The request was referred to the Committee on General Policy for study and recommendation.

The Committee has reviewed the documents presented to the Trustees by Mr. Pappademos on January 17, in particular those portions of the documents in which the general objectives of the Federation are stated. The Committee has also studied a report from the Secretary of the University and Secretary of the Board of
Trustees (prepared at the request of the President of the University) in which University policies and procedures related to the objectives of the Federation are described.

It is the view of the Committee on General Policy that the broad objectives of the Federation are of fundamental significance to the University and worthy of continual appraisal through the established faculty agencies provided for by the University Statutes.

The Committee further believes that present University policies—and as they relate to salaries and fringe benefits, grievance procedures, and the role of the faculty in policy-making—fully reflect the highest standard of excellence in university governance in this country and sees no need for a change in the present structure and relationships.

Therefore, the Committee on General Policy recommends that the request of the Chicago Circle Federation of Teachers be denied.

General Policy Committee
EARL M. HUGHES, Chairman
HOWARD W. CLEMENT
DONALD R. GRIMES
RALPH C. HAHN
THEODORE A. JONES
KENNEY E. WILLIAMSON

On motion of Mr. Grimes, the recommendation of the Committee was unanimously approved.

At this point, Mr. Hughes asked to be excused from the meeting.

CURRENT STATUS OF SELECTIVE SERVICE
The President of the University reported to the Trustees on the apparent effect on the University of new selective service regulations and interpretations—those which will have particular significance on graduate level enrollments beginning in the fall of 1968. Extended comment and analysis was provided by the Executive Vice-President and Provost and by the chancellors from each of the campuses. The Provost indicated that possibly 20 per cent of the projected enrollment of graduate students for 1968 might be eligible for the draft. However, it was made clear that a number of uncertainties are involved, including the fact that much rests upon the individual decisions of students enrolled and students seeking admission themselves.

The President indicated that continued reports and analyses will be brought to the Board in months to come.

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

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

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES
(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Illinois 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:
On motion of Mr. Grimes, these certificates were awarded.

**APPOINTMENTS TO THE FACULTY**

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

Positions in the University are classified in the following categories and are designated in the budget by the symbols indicated: A — indefinite tenure; P — indefinite term appointment for part-time service only; B — two years; D — one year; E — nine months from the beginning of the academic year; G — special tenure; Q — initial term appointment for Professor or Associate Professor; Y — twelve months' service required instead of two semesters; 1-7 — indicates the number of years of service which will be credited at the end of the contract period toward completion of the probationary period relating to tenure.

Figures following a symbol indicate percentage of time if the appointment is on a part-time basis (e.g., D75 means one year on three-fourths time).

**Chicago Circle**

1. **Chathilingath K. Sanathanan**, Associate Professor of Electrical Engineering, Department of Information Engineering, from January 1 through August 31, 1968, without salary, and for two years from September 1, 1968 (Q), at an annual salary of $14,500.

**Medical Center**

2. **Gloria George**, Assistant Professor of Nursing, beginning January 1, 1968, on 3/4 time (D10), at an annual salary of $900.

**Urbana-Champaign**

3. **Thomas T. Bannister**, Visiting Research Professor of Botany, for the period from February 1, 1968, through July 31, 1968 (G), at a salary of $9,600.

4. **Eddie Basler**, Visiting Professor of Plant Physiology, Department of Agronomy, on 92 per cent time, for seven months from February 1, 1968 (G92), at a salary of $8,575.

5. **Sherman D. Brown**, Associate Professor of Ceramic Engineering, beginning September 1, 1968 (A), at an annual salary of $14,000.

6. **Bernie R. Burrus**, Visiting Professor of Law, for the second semester 1967-68 (D), at a salary of $10,500.

7. **Enrique Castro-Cid**, Visiting Professor of Art, for the second semester 1967-68 (E), at a salary of $8,000.

8. **Juan C. Fasciolo**, Visiting Professor of Physiology and Biophysics, for the period from January 15, 1968, through June 15, 1968 (G), at a salary of $7,000.

9. **Yoshio Iwamoto**, Assistant Professor of Japanese Literature, Center for Asian Studies, beginning September 1, 1968 (1), at an annual salary of $12,000.

10. **Lillian G. Katz**, Assistant Professor of Elementary Education, beginning February 1, 1968 (1), at an annual salary of $10,000.

11. **David L. Perrott**, Visiting Assistant Professor of Law, for the second semester 1967-68 (E), at a salary of $9,000.

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

**APPOINTMENTS TO THE CENTER FOR ADVANCED STUDY**

(3) The Dean of the Graduate College, in consultation with an advisory selection Committee of Center Professors, and with the concurrence of the Chancellor at Urbana and the Executive Vice-President and Provost, has recommended the following appointments as Professors in the Center for Advanced Study effective February 1, 1968.

**Henry Kahane**, Professor of Spanish and of Linguistics
This expansion of membership of the Professors in the Center is in accord with the planned expansion of the Center as a key organization in the development of interdisciplinary programs.

The appointees will remain involved in the teaching programs in their respective departments, and their departments will continue to provide most of the funds to support their appointments.

I have approved these appointments and request confirmation of my action.

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

DEANSHIP OF THE COLLEGE OF MEDICINE, MEDICAL CENTER

(4) I recommend the appointment of Dr. William J. Grove, presently Professor of Surgery on indefinite tenure and Associate Dean of the College of Medicine, as Dean of the College of Medicine, beginning March 1, 1968, at an annual salary of $33,000 on a twelve-month service basis.

The recommendation is based upon a report from a consultative committee and follows consultation with the Executive Committee of the College.

Dr. Grove succeeds Dr. Granville A. Bennett whose resignation as Dean of the College of Medicine became effective January 1, 1968.

The Chancellor at the Medical Center campus and the Executive Vice-President and Provost endorse this recommendation.

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

DEANSHIP OF THE COLLEGE OF BUSINESS ADMINISTRATION, CHICAGO CIRCLE

(5) I recommend the appointment of Dr. Irvin Lee Heckmann, presently Professor of Management and Dean of the College of Business Administration at Creighton University, as Professor of Management on indefinite tenure and Dean of the College of Business Administration beginning August 1, 1968, at an annual salary of $27,000 on a twelve-month service basis. The appointment as Dean will be from August 1, 1968, through August 31, 1969, which is consistent with the statutory provision of biennial tenure of deans, such appointments usually coinciding with the fiscal biennium.

The recommendation is based upon a report from a special committee and after consultation with the Dean of Faculties, the Executive Committee of the College of Business Administration, and the Coordinators of the College of Business Administration at Chicago Circle.

The appointment is to succeed Dean Raymond W. Coleman who asked to be relieved of this administrative assignment as of November 30, 1966. Professor Robert W. French has been serving as Acting Dean.

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

PROVISIONAL CODE OF CONDUCT

(6) Senate Bill No. 506, approved by the Seventy-fifth General Assembly, provides that "The Board of Higher Education shall promulgate a detailed code of conduct

1 This appointment will be from March 1, 1968, through August 31, 1969, which is consistent with the statutory provision of biennial tenure of deans, such appointments coinciding with the fiscal biennium. He will continue as Professor of Surgery on indefinite tenure.

2 Members of the consultative committee are: George G. Jackson, Professor of Medicine, Chairman; Orville T. Bailey, Professor of Neurology; Stephen B. Binkley, Professor and Head of the Department of Biological Chemistry; Herschel L. Browns, Clinical Assistant Professor of Medicine; Reino E. Kallio, Professor of Microbiology and Director of the School of Life Sciences; Peter C. Kronfeld, Professor and Head of the Department of Ophthalmology, College of Medicine, and Ophthalmologist-in-Chief, Illinois Eye and Ear Infirmary; Mark H. Lepper, Professor of Preventive Medicine and Community Health; Lloyd M. Nyhus, Professor and Head of the Department of Surgery, College of Medicine, and Surgeon-in-Chief, Research and Educational Hospitals; Neena B. Schwartz, Professor of Physiology.

3 Members of the special committee are: Leonard Kent, Professor of Economics, Chairman; S. G. Hunerwyk, Associate Professor of Management; Boyd R. Keenan, Professor of Political Science; I. R. Norworthy, Assistant Professor of Economics; William H. Reynolds, Professor of Marketing; Albert J. Schneider, Professor of Accounting; William W. Tongue, Professor of Economics and of Finance.
for persons employed on the staffs of State-operated institutions of higher
learning."

Accordingly, a draft code was prepared by an "Ethics Committee" convened by
the Executive Director of the Board of Higher Education and disseminated to the
administrative officers of the state universities of Illinois for comments and
suggestions.

Within the time afforded for institutional appraisal, the members of the Uni-
versity Council on Administration and the chairmen of the Senate Committees on
Educational Policy were asked for reactions and suggestions.

A resultant Provisional Code of Conduct, a copy of which is being filed with
the Secretary of the Board for record, was approved by the Board of Higher Edu-
cation on February 6, 1968. It is now expected that the Provisional Code will re-
ceive a full institutional review prior to its issuance in final form, perhaps by the
end of the present academic year.

Under sections II, III, and IV of the Provisional Code, the institutional gov-
erning boards have administrative and enforcement responsibilities with respect to
the general standards of conduct set forth (in Section II). However, prior to
action on these matters by the Board of Trustees, I recommend that the Board of
Trustees receive the Provisional Code as a matter of record and refer it to the
Faculty Senates and to an appropriate group related to nonacademic employees for
their advice.

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

(The President of the University indicated that in reference to Section 3A, he would expect to prepare a list of officers who should be
designated as those required to file "written disclosures" as specified in
the code.)

DELETION OF SECTION 6, THE GENERAL RULES CONCERNING
UNIVERSITY ORGANIZATION AND PROCEDURE:
PHOTOGRAPHY AND BLUEPRINTING DEPARTMENT

(7) In the course of revising The General Rules Concerning University Organiza-
tion and Procedure to reflect the chancellorship system of organization, a number
of editorial changes appear desirable in order to reflect that pattern symmetrically
among all campuses.

One such change relates to Section 6 of the General Rules, "Photography and
Blueprinting Department." It is felt that specific reference to a particular unit of
this kind at one campus is best handled by administrative definition and that its
inclusion in the General Rules is therefore unnecessary.3

Accordingly, the President of the University recommends that Section 6 of the
General Rules be deleted. The changes will be reflected in the new edition of the
University of Illinois Statutes and The General Rules Concerning University Or-
ganization and Procedure.

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

CHANGES IN NONACADEMIC POLICY AND RULES —
VACATION AND PERSONAL LEAVE

(8) Since the September 20 revision of the Policy and Rules in respect to vacation,
a question has arisen as to vacation accrual during periods of retirement disability.
Procedurally, an employee who is receiving retirement disability income is placed
on a leave without pay status with the University. The Vacation and Personal
Leave Policy, as revised on September 20, did not contemplate that vacation would
be earned while an employee was on leave without pay or that the period of sick
leave would count toward service years.

Since September 20, employee groups have urged that periods of disability
under the Retirement System even though non-occupational, should be treated in
the same way as occupational disability for leave purposes. It is noted that the
Policy, as approved, does provide that an employee who is receiving Workmen's
Compensation will continue to earn vacation and personal leave while he is receiv-
ing these income benefits and that the time covered will be credited towards service

3 Transfer of administrative responsibility for the Photographic Laboratory, effective March
1, 1968, from the University Director of Public Information to the Director of Public Infor-
mation, Urbana-Champaign, was approved by the President of the University on January 19, 1968.
years. The employees' proposal has been reviewed by the Director of Nonacademic Personnel and by the All-University Nonacademic Personnel Advisory Committee. The Committee was of the opinion that the time an employee is receiving retirement disability income should be counted as service years but that during the period no vacation or personal leave should be earned.

In the light of this opinion and upon the recommendation of the Vice-President and Comptroller and the Director of Nonacademic Personnel, the following sentence is proposed as an addition to the Vacation and Personal Leave Policy as revised on September 20:

Time during which an employee is receiving disability income benefits under the University's Retirement System, including any gap in benefit payments between the expiration of institutional benefits and the commencement of benefits available under the Retirement System, will be treated as in-pay status for computation of service years but vacation and personal leave will not be earned during such time.

I concur in the recommendation.

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

CHANGES IN NONACADEMIC POLICY AND RULES—LEAVES OF ABSENCE AND DISABILITY BENEFITS

(9) Proposed changes in the Policy and Rules relating to Leaves of Absence and Disability Benefits of nonacademic employees have been under consideration for some time. Consistent with procedures followed in other recent changes and revisions, comments have been solicited by the Director of Nonacademic Personnel from deans, directors, and department heads and from employee organizations. Draft revisions were submitted to the Nonacademic Personnel Advisory Committees on each campus and to the University of Illinois members of the Employees Advisory Committee of the University Civil Service System of Illinois. Revised drafts were reviewed by the All-University Nonacademic Personnel Advisory Committee. In the light of such reviews and at the recommendation of the Vice-President and Comptroller and the Director of Nonacademic Personnel, the following policy changes are presented to the Board for approval, the changes to become effective March 1, 1968.

Leaves of Absence

University-wide Policy: Leaves of Absence

Leaves of absence without loss of pay and in some instances without pay may be granted to eligible employees as defined by the President of the University, who shall also issue Rules for the administration of leaves.

A. Jury Duty Leave

An eligible employee, upon his request, shall be granted a leave of absence without loss of pay when called for jury duty. University pay during Jury Duty Leave will be computed as the difference between the payment for jury duty and the regular salary or wage of the employee.

B. Military Leave

1. For Limited Training or Emergency Call-Up

Leave of absence with pay at his regular rate shall be granted an eligible employee who is an officer or enlisted man in the Illinois National Guard, the Illinois Naval Militia, or the reserve components of the Armed Forces, called for Limited Training or Emergency Call-up. The length of the Military Leave for Limited Training with pay will not exceed standards established by federal or state regulations for training activities required to maintain standing in the above military units. In the event the required annual Limited Training or Emergency Call-up is extended beyond fifteen days, the employee will be granted leave without pay for such additional days. In the event the Limited Training service is requested by the employee but not required by military authorities, he may be granted leave without pay if operating requirements of the University permit.

2. For Service in the Armed Forces of the United States

Leave for Service in the Armed Forces of the United States without pay shall be granted an eligible employee who enlists or is inducted into such service. In accordance with provisions of the Universal Military Training and
Service Act of 1951 and the Armed Forces Reserve Act of 1955, as amended, such an employee will be restored to a position of like seniority, status, and pay if (1) his discharge is under conditions other than dishonorable, (2) he requests reemployment within ninety days after his discharge, and (3) he is qualified physically and mentally to perform the duties of the position. If, as a result of the service in the Armed Forces, he is not physically or mentally qualified to perform the duties of such a position, he will be restored to a position for which he is qualified to perform the duties and which will provide him the seniority, status, and pay, or the nearest approximation thereof consistent with the circumstances of the case.

C. Special Leave

Special Leave without pay may be granted for the purpose of continuing the employee status of an individual whose performance record warrants it and who requests such leave for sufficient cause, e.g., a faculty wife who wants to be with her husband while he is on sabbatical leave, an employee who has exhausted his sick and disability benefits and who is still unable to return to work, an employee engaged in public interest work or in furthering his education. Reemployment following Special Leave will be subject to an availability period as defined by the President.

D. Funeral Leave

Upon his request, an eligible employee shall be granted at his regular rate of pay Funeral Leave of up to three work days for the funeral of a member of his immediate family or household, and of one day for the funeral of a relative outside his immediate family or household. Leaves beyond these amounts may be approved under special circumstances.

E. Excused Absences and Leave Extension

The President of the University may issue rules providing for such types of Excused Absences of employees without loss of pay or without pay and for extensions of the leaves authorized above as he determines to be in the interest of the University.

(Approved by the Board of Trustees February 21, 1968.)

In general, the new policy provides the same benefits as have existed heretofore except that for Military Leave (1) a provision has been added to include emergency call-up (riot duty) for the same leave treatment as has heretofore been provided for limited training; and (2) a small change has been made in the provisions for restoration following service in the Armed Forces.

In respect to Special Leave, provision has been made for “Educational Leave” as recommended by the Merit Board in July, 1967. Also, this category of leave has been broadened to include situations where it is believed desirable to continue the employee status of an individual whose performance record warrants it and who requests leave for reasons such as the illustrations in the text. In the present labor market it seems desirable to maintain such employee ties in order to encourage their return. Provision is made for an availability period at the end of the leave which is designed to facilitate placement upon the employee’s return. This provision has been borrowed from the State of Michigan where it has been in use for some time.

Disability Benefits

The Sick Leave portion of the Disability Benefits Policy conforms to standards recommended by the Merit Board of the University Civil Service System of Illinois at its July 26, 1967, meeting. Otherwise, the policy statement refers to benefits available under the Illinois Workmen’s Compensation and Occupational Diseases Acts, the State Universities Retirement System Act, and under University of Illinois Insurance Plans.

The text of the revised policy statement follows:

University-wide Policy: Disability Benefits

Disability income benefits are available to employees under (1) the Illinois Workmen’s Compensation and Occupational Diseases Acts, (2) the University of Illinois Sick Leave Plan, and (3) the State Universities Retirement System. Medical and hospital expense benefits are available under (1) the Illinois Workmen’s Compensation and Occupational Diseases Acts, and (2) the Faculty-Staff Group Health Insurance Plans. The cost of the benefits under University sponsored in-
insurance plans and the State Universities Retirement System are borne in part by
the employer and in part by the employee.

A. Workmen's Compensation (disability arising out of and in the course of em-
ployment)
An employee who suffers disability arising out of and in the course of his em-
ployment will receive compensation, as determined by the University Committee
on Accident Compensation, in accordance with the provisions of the Illinois
Workmen's Compensation and Occupational Diseases Acts. Payment of income
benefits under these Acts (temporary total disability) may be supplemented by
payments from earned University benefits (e.g., Sick Leave, Vacation and
Personal Leave) but the total payments may not exceed basic straight time
compensation.

B. Sick Leave (disability not arising out of and in the course of employment)
1. An employee in a trainee, apprentice, provisional, or status appointment will
accumulate paid Sick Leave without limit at the rate of .05 hours for each
hour, exclusive of overtime, that he is in pay status, or approximately thirteen
days per annum for an employee who works either 2080 or 1950 hours.
2. An employee may use his accumulated Sick Leave when he is absent because
he is ill or injured or in order to obtain medical or dental consultation or
treatment.

C. State Universities Retirement System Benefits
Disability benefits available from the State Universities Retirement System are
described in its Handbook of Information.

D. University Insurance Plans
The benefits payable under University sponsored insurance plans are set forth
in master policies. Pertinent provisions of these policies are described in bro-
chures available at each campus Insurance Office.

E. The President of the University may issue rules for the administration of Dis-
ability Benefits as he determines to be in the interest of the University.
Disability benefits are continued on the same basis as heretofore except that
(1) sick leave is no longer extended to casual, temporary, and extra help type em-
ployment and (2) sick leave is related directly to hours of work and earned at
the rate of .05 hours for each hour in pay status. This will result in an employee
who works full time earning the same (or slightly more) sick leave than has been
the case heretofore; but, an employee will not earn sick leave when his is away
from work due to an unexcused absence nor will he earn sick leave while he is
on layoff as under certain circumstances has been the case in the past.

I concur in the recommendation that these policies be approved as herein pre-
sented. Upon their approval, appropriate rules will be issued as indicated and
modified from time to time as circumstances warrant in accord with policies
established.

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

NAMES OF BUILDINGS AT CHICAGO CIRCLE
(10) The Chancellor at Chicago Circle has recommended the following names for
buildings under construction and to be constructed at the Chicago Circle campus:
Phase II: Utilities Building, Architecture and Art Laboratories, and Plant Re-
search Laboratory
Phase III: Behavioral Sciences Building, Science and Engineering South, Educa-
tion and Communications, and Physical Education Building
I recommend approval.
On motion of Mr. Hahn, this recommendation was approved.

CHANGE IN ORGANIZATION OF DEPARTMENT OF PHILOSOPHY,
CHICAGO CIRCLE
(11) The members of the Department of Philosophy of professorial rank at Chi-
cago Circle have voted to request a change in departmental organization from that
of a department with a head to that of a department with a chairman.
With the concurrence of the Department, the Dean of the College of Liberal
Arts and Sciences, and the Dean of Faculties, the Chancellor recommends that the form of organization requested be approved, effective September 1, 1968. The Executive Vice-President and Provost also concurs.

I recommend approval.

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

PROPOSAL TO RENAME AND REORGANIZE THE CLEFT PALATE UNIT, MEDICAL CENTER

The Chancellor at the Medical Center campus recommends that the name of the Cleft Palate Clinic and Training Program (Cleft Palate Unit) be changed to the Center for Craniofacial Anomalies. Additionally, it is proposed the Center be reorganized to enhance its contribution to the teaching, research, and patient care services of the Medical Center campus.

Currently the Cleft Palate Unit functions as a subunit of the Center for Handicapped Children in the Research and Educational Hospitals. It is proposed that the new Center for Craniofacial Anomalies, in view of its expanding activities, be organized independent of the Center for Handicapped Children. It is proposed that the Center for Craniofacial Anomalies be administered primarily through the Office of the Dean of the College of Dentistry. However, the new Center will continue to be responsible for the clinical portion of its activities to the Medical Director of the Research and Educational Hospitals.

Dr. Samuel Pruzansky, Professor of Dentistry and presently in charge of the Cleft Palate Unit, will serve as Director of the Center for Craniofacial Anomalies.

A statement explaining more fully the present status of the Cleft Palate Unit and the changes which are proposed is being filed with the Secretary of the Board for record.

A revision and an extension of an existing program are proposed and, as such, would not need to be approved by the Illinois Board of Higher Education.

The Executive Vice-President and Provost concurs in this recommendation. I recommend approval.

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

MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY DEGREES IN NUTRITIONAL SCIENCES, URBANA

The Graduate College and the Urbana-Champaign Senate recommend the establishment of Master of Science and Doctor of Philosophy degrees in Nutritional Sciences and the establishment of a Committee on Nutritional Sciences.

The University has been recognized for many years as a center of research and training in nutrition. These activities have been carried out chiefly by the Departments of Animal Science, Dairy Science, Food Science, and Home Economics and, to a lesser extent, by individuals and small groups within the Colleges of Medicine, Veterinary Medicine, and Liberal Arts and Sciences.

Despite the collective accomplishments of these groups, it is felt that a coordinating body which would stimulate interdepartmental cooperation in teaching and research would also enhance the effectiveness of ongoing departmental programs, provide improved direction of graduate training programs, and aid in obtaining training grants and research funds.

The merits of an interdepartmental graduate training program in nutritional sciences have been discussed among faculty members of the College of Agriculture over a period of years.

The present proposal is an outgrowth of a recent evaluation of graduate teaching and research in the nutritional sciences in the College of Agriculture carried out by the Nutritional Sciences Coordinating Committee. It consists of recommendations for establishment of M.S. and Ph.D. degree programs in nutritional sciences to be administered by an interdepartmental Committee on Nutritional Sciences. The latter would consist of members appointed from the Graduate Faculty by the Dean of the Graduate College on the basis of demonstrated interest and competence in the field. Its responsibility would be to provide interdepartmental coordination and planning of instructional programs in the nutritional sciences.

The Chancellor at the Urbana-Champaign campus and the Executive Vice-President and Provost endorse this recommendation. The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved.
I recommend approval, subject to further action by the Board of Higher Education.

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

**DOCTOR OF PHILOSOPHY DEGREE IN ENGINEERING**

(SOLIDS AND FLUIDS), CHICAGO CIRCLE

The Graduate College and the Chicago Circle Senate recommend the establishment of the degree of Doctor of Philosophy in Engineering (Solids and Fluids).

This recommendation has been developed partly in recognition of the increase which has occurred nationally in recent years in enrollments at the graduate level in engineering. According to recent studies, this increase will have to accelerate in the future if national needs are to be met. It has been estimated that the anticipated production of engineering doctorates will not be sufficient to satisfy the needs of industry and universities during the next decade.

Studies by the American Society of Engineering Education indicate that persons receiving doctorates in engineering, given the opportunity, tend to remain in the vicinity of the university where they complete their degree. Therefore, it is anticipated that such a program at Chicago Circle will be of considerable value to existing local industry and serve to attract new industry.

The proposed program is expected to help direct engineering research efforts toward the solution of the multiplicity of interrelated urban problems, such as air pollution, development of low-cost housing, and traffic control. Moreover, the departments which developed the proposal foresee it as an opportunity to the culturally disadvantaged:

"The many openings in industry and government laboratories have provided opportunities to move quickly into reasonable income brackets and without penalty for prior social or cultural impediments. This upward mobility contributes to the solution of the problems of our urban setting.

"The University of Illinois Circle Campus is singularly adapted to this function. The availability of a doctoral program on the campus would open up an opportunity for the more talented students coming from culturally disadvantaged backgrounds to move to the highest professional engineering level. Unquestionably, many of these would remain in the Chicago area, thereby contributing to the solution of urban problems and at the same time to the industrial capability of the area. Moreover, job opportunities are abundant, especially in view of federal antidiscrimination statutes applying to the very industries into which engineering Ph.D.'s may be expected to move."

The initial response to the existing Master of Science programs in engineering, which were initiated in September, 1967, has been sufficient to justify the expectation that there will be a strong response to the proposed Ph.D. program.

A further justification for offering work at the doctoral level in engineering is that the students enrolled would help supply the graduate teaching assistants needed for the increasing undergraduate enrollment.

The program itself, developed cooperatively by the Departments of Energy Engineering and Materials Engineering, is designed to promote flexibility through an organization based on functional divisions, rather than traditional departmental lines. Within this framework, initially, majors will be offered in continuum mechanics, gas dynamics, heat transfer, plasma dynamics, soil engineering, and structures.

The degree candidate will be required to meet the admission standards and degree requirements generally prevailing within the Graduate College of the University of Illinois.

The Chancellor at the Chicago Circle campus, the Dean of the Graduate College, and the Executive Vice-President and Provost concur in this recommendation. The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I recommend approval subject to further action by the Board of Higher Education.

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

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CONTRACTS FOR CONSTRUCTION OF INSECT BIOLOGICAL CONTROL LABORATORY, URBANA

(15) The President of the University, with the concurrence of appropriate administrative officers, recommends award of the following contracts for construction of the Insect Biological Control Laboratory for the use of the State Natural History Survey, Champaign, the award in each case to the lowest bidder.

General — Barber & DeAtley, Inc., Urbana
Base bid plus Additive Alternates G-2, G-3, G-4, and G-5,........... $ 80 200 00

Electrical — G. L. Wilsky, doing business as Downtown Electric, Urbana
Base bid plus Alternate E-1.............................................. 15 425 00

Plumbing — Illini Plumbing and Heating, Inc., Champaign
Base bid ............................................................... 24 020 00

Heating and Air Conditioning — Cool-Rite Mechanical Contractors, Inc., Urbana
Base bid plus Alternate H-1............................................ 12 351 00

Total ........................................................................ $131 996 00

Funds are available from private gift funds to the Natural History Survey and from state capital appropriations to the University for 1967-69, subject to release by the Governor.

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

On motion of Mr. Grimes, these contracts were awarded by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr. Jones, Mr. Pogue, Mr. Swain; no, none; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weatherly, Mr. Williamson.

RENTAL OF COMPUTER EQUIPMENT, SCHOOL OF LIFE SCIENCES, URBANA

(16) The School of Life Sciences requires a scientifically oriented computer which can be incorporated in and made readily adaptable to both research and instructional programs, and also be compatible with other large capacity computer systems in the University. Following technical evaluation by the staff of the School of Life Sciences, in consultation with the Departments of Computer Science and Chemistry and Chemical Engineering, it was concluded that the IBM 1130 Computer System is the only one economically available which will uniquely meet the requirements of the School of Life Sciences.

This system will be compatible with existing computer equipment in the Department of Chemistry and Chemical Engineering, as well as the Illinet concept of the Department of Computer Science.

The United States Public Health Service will furnish funds to support the initial year of operation of this equipment. Thereafter, the facility would be supported from charges to the departments using it.

The President of the University, with the concurrence of appropriate administrative officers, recommends that a rental contract be authorized with the International Business Machines Corporation for one year for the annual rental rate of $17,944.80, with the option to extend on an annual basis, subject to availability of funds and need.

On motion of Mr. Clement, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr. Pogue, Mr. Swain; no, Mr. Jones; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weatherly, Mr. Williamson.

CONTRACT FOR DEMOLITION AND REMOVAL OF OLD POWER PLANT AND INCINERATOR BUILDING, MEDICAL CENTER

(17) The President of the University, with the concurrence of appropriate administrative officers, recommends award of a contract in the amount of $21,665 to the Cleveland Wrecking Company, Chicago, the lowest bidder for the demolition
and removal of the Old Power Plant and Incinerator Building at the Medical Center campus.

Funds for this work are available from state capital appropriations for 1967-69 and have been released by the Governor.

On motion of Mr. Grimes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr. Jones, Mr. Pogue, Mr. Swain; no, none; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weatherly, Mr. Williamson.

# LEASE WITH THE ILLINOIS BUILDING AUTHORITY — CIVIL ENGINEERING BUILDING AND ADDITION AT URBANA

(18) The Board of Trustees on July 26, 1967, authorized the Comptroller and the Secretary of the Board to execute the necessary documents to permit the Illinois Building Authority to proceed with the Civil Engineering Building and Addition at Urbana-Champaign, also known as Civil Engineering Building, Phase IIA, which the Seventy-fifth General Assembly of the State of Illinois had declared to be in the public interest. The Board of Trustees at its meeting on December 20, 1967, requested the Illinois Building Authority to award a contract for the construction.

The capital costs of the project, including the construction award, are to be financed by Illinois Building Authority funds in the sum of $2,100,000, the balance to come from federal funds and state appropriations to the University. In addition to these amounts, the sum of $571,000 will be utilized from Civil Engineering Building (Phase I) funds, pursuant to the revised budget for that project, Project IBA 73-07, as approved by the members of the Illinois Building Authority at its meeting on January 24, 1968.

The Illinois Building Authority has now sent the University the form of the permanent lease which should be used on this project and has requested that the Board of Trustees take specific action to approve the same. A copy of said lease form is presented herewith and is being filed with the Secretary of the Board for record.

The lease relates to the following project and is on the terms indicated:

<table>
<thead>
<tr>
<th>Project</th>
<th>Legislative Declaration</th>
<th>IBA Project Cost</th>
<th>Amount of Rental Due September 1, 1968 and on or before September 1 of Each Year Thereafter to June 30, 1980</th>
<th>Total Rental Payments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Engineering Building and Addition, Urbana-Champaign</td>
<td>$3,528,500.00</td>
<td>$2,100,000.00</td>
<td>$398,990.00</td>
<td>$3,734,850.00</td>
</tr>
</tbody>
</table>

Funds for rental payments under the lease during the current biennium 1967-69 are available to the University from appropriations made by the Seventy-fifth General Assembly.

The President recommends that the Comptroller and the Secretary of the Board of Trustees be given specific authorization to execute this lease in substantially the form presented in this meeting and that the following resolution be adopted.

# Resolution Authorizing Leasing of Civil Engineering Building and Addition at Urbana-Champaign, Also Known as Civil Engineering Building, Phase IIA, from the Illinois Building Authority

WHEREAS The Board of Trustees of the University of Illinois on July 26, 1967, authorized the Comptroller and Secretary of the Board to execute the necessary documents to permit the Illinois Building Authority to proceed with certain University projects which the Seventy-fifth General Assembly of the State of Illinois had declared to be in the public interest; and

WHEREAS in accordance with the Illinois Building Authority Act the Seventy-fifth General Assembly of the State of Illinois has declared, among others, the following University of Illinois project at Urbana-Champaign to be in the public interest:
BOARD OF TRUSTEES

Civil Engineering Building and Addition At Urbana-Champaign... $3 528 500 00
and
WHEREAS said declaration also provides that the cost of any specific project
could exceed the amount set forth therefor so long as the aggregate amount stated
therein to be financed by the Illinois Building Authority for the University is not
exceeded; and
WHEREAS the amount designated for said project as follows:
Urbana-Champaign Campus IBA #75-13 Construct Civil Engineering Building and Addition................. $2 100 000 00
will not cause said aggregate amount to be exceeded; and
WHEREAS the Illinois Building Authority has forwarded to the University
of Illinois the form of the permanent construction lease which it requests be used for
this project; and has requested that the Board of Trustees take specific action to
approve the same; copy of which lease form is presented herewith and is being
filed with the Secretary of the Board for record;

Now, Therefore, Be It, and It Hereby Is, Resolved that the Comptroller and
Secretary of this Board of Trustees be, and hereby are, authorized to execute,
acknowledge, and deliver in the name and on behalf of this corporation a lease
with the Illinois Building Authority in substantially the form presented to this
meeting for the following building and facility:

Construction of a Civil Engineering Building and Addition at Urbana-Champaign
Campus, at a cost to the Illinois Building Authority of $2,100,000.00
requiring 22 rental payments as follows: an initial rental on or before Sep-
ember 1, 1968 in the sum of $151,630.00; and during each successive renewal
term of the Lease, the annual sum of $151,630.00 on or before the 1st of Sep-
ember of each year thereafter until June 30, 1990 with total rental payments
of $3,734,850.00 (less the sum of $398,990.00 which has been paid under the
terms of Interim Leases.)

On motion of Mr. Hahn, authority was given as recommended and
the foregoing resolution was adopted by the following vote: Aye, Mr.
Clement, Mr. Grimes, Mr. Hahn, Mr. Jones, Mr. Pogue, Mr. Swain;
no, none; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weather-
ly, Mr. Williamson.

LEASE WITH THE ILLINOIS BUILDING AUTHORITY—
SMALL ANIMAL CLINIC BUILDINGS, URBANA

(19) The Board of Trustees on July 26, 1967, authorized the Comptroller and the
Secretary of the Board to execute the necessary documents to permit the Illinois
Building Authority to proceed with the Small Animal Clinic Buildings at the
Urbana-Champaign campus, also known as Small Animal Clinic and Hospital-Veterinary Medicine Complex, Phase I, which the Seventy-fifth General Assembly
of the State of Illinois had declared to be in the public interest. The Board of
Trustees at its meeting on January 17, 1968, requested the Illinois Building Au-
thority to award a contract for the construction. The capital costs of the project,
including the construction award, are to be financed by Illinois Building Authority
funds in the sum of $6,065,000, the balance to come from state appropriations to
the University.

The Illinois Building Authority has now sent the University the form of
permanent lease which should be used on this project and has requested that the
Board of Trustees take specific action to approve the same. A copy of said lease
form is presented herewith and is being filed with the Secretary of the Board for
record.

The lease relates to the following project and is on the terms indicated:

<table>
<thead>
<tr>
<th>Project</th>
<th>Legislative Declaration</th>
<th>IBA #</th>
<th>Project Cost</th>
<th>JBA #</th>
<th>Project Cost</th>
<th>Randlent</th>
<th>Randlent</th>
<th>Randlent</th>
<th>Randlent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Animal Clinics</td>
<td>$6 912 000 00</td>
<td>$6 065 000 00</td>
<td>$1 050 825 00</td>
<td>$442 405 00</td>
<td>$10 786 635 00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Funds for rental payments under the lease during the current biennium 1967-69 are available to the University from appropriations made by the Seventy-fifth General Assembly.

The President recommends that the Comptroller and the Secretary of the Board of Trustees be given specific authorization to execute this lease in substantially the form presented in this meeting and that the following resolution be adopted.

Resolution Authorizing Leasing of Small Animal Clinic Buildings at Urbana-Champaign, Also Known As, Small Animal Clinic and Hospital-Veterinary Medicine Complex, Phase I, Urbana, from the Illinois Building Authority

WHEREAS The Board of Trustees of the University of Illinois on July 26, 1967, authorized the Comptroller and Secretary of the Board to execute the necessary documents to permit the Illinois Building Authority to proceed with certain University projects which the Seventy-fifth General Assembly of the State of Illinois had declared to be in the public interest; and

WHEREAS in accordance with the Illinois Building Authority Act the Seventy-fifth General Assembly of the State of Illinois has declared, among others, the following University of Illinois project at Urbana-Champaign to be in the public interest:

Small Animal Clinic Buildings At Urbana-Champaign Campus..... $6 812 000 00

and

WHEREAS said declaration also provides that the cost of any specific project could exceed the amount set forth therefor so long as the aggregate amount stated therein to be financed by the Illinois Building Authority for the University is not exceeded; and

WHEREAS the amount designated for said project as follows:

Urbana-Champaign Campus IBA #75-12 Construct Small Animal Clinic Buildings........................................ $6 065 000 00

will not cause said aggregate amount to be exceeded; and

WHEREAS the Illinois Building Authority has forwarded to the University of Illinois the form of the permanent construction lease which it requests be used for this project; and has requested that the Board of Trustees take specific action to approve the same; copy of which lease form is presented herewith and is being filed with the Secretary of the Board for record;

Now, Therefore, Be It, and It H ereby Is, Resolved that the Comptroller and Secretary of this Board of Trustees be, and hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this corporation a lease with the Illinois Building Authority in substantially the form presented to this meeting for the following building and facility:

Construction of Small Animal Clinic Buildings at the Urbana-Champaign Campus, at a cost to the Illinois Building Authority of $6,065,000.00 requiring 22 rental payments as follows: an initial rental on or before September 1, 1968 in the sum of $442,405.00; and during each successive renewal term of the Lease, the annual sum of $442,405.00 on or before the 1st of September of each year thereafter until June 30, 1990 with total rental payments of $10,786,635.00 (less the sum of $1,053,725.00 which has been paid under the terms of Interim Leases.)

On motion of Mr. Pogue, authority was given as recommended and the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr. Jones, Mr. Pogue, Mr. Swain; no, none; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weatherly, Mr. Williamson.

LEASE WITH THE ILLINOIS BUILDING AUTHORITY — SCIENCE AND ENGINEERING CENTER BUILDING, CHICAGO CIRCLE

(20) The Board of Trustees on July 26, 1967, authorized the Comptroller and the Secretary of the Board to execute the necessary documents to permit the Illinois Building Authority to proceed with the Science and Engineering Center Building (Science and Engineering South) at Chicago Circle which the Seventy-fifth Gen-
eral Assembly of the State of Illinois had declared to be in the public interest. The Executive Committee of the Board of Trustees at its meeting on December 5, 1967, requested the Illinois Building Authority to award a contract for the construction. The capital costs of the project, including the construction award, are to be financed by Illinois Building Authority funds in the sum of $17,620,000, the balance to come from federal funds and State appropriations to the University.

The Illinois Building Authority has now sent the University the form of the permanent lease which should be used on this project and has requested that the Board of Trustees take specific action to approve the same. A copy of said lease form is presented herewith and is being filed with the Secretary of the Board for record.

The lease relates to the following project and is on the terms indicated:

<table>
<thead>
<tr>
<th>Project</th>
<th>Annual Rent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science and Engineering</td>
<td></td>
</tr>
<tr>
<td>Center Building, Chicago Circle</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Legislative Declaration</th>
<th>IBA Project Cost</th>
<th>Interim Lease</th>
<th>Total Rental Payments</th>
</tr>
</thead>
<tbody>
<tr>
<td>$18,848,300.00</td>
<td>$17,620,000.00</td>
<td>$13,645,846.00</td>
<td>$31,337,150.00</td>
</tr>
</tbody>
</table>

Funds for rental payments under the lease during the current biennium 1967-69 are available to the University from appropriations made by the Seventy-fifth General Assembly.

The President recommends that the Comptroller and the Secretary of the Board of Trustees be given specific authorization to execute this lease in substantially the form presented in this meeting and that the following resolution be adopted.

Resolution Authorizing Leasing of Science and Engineering Center Building at the Chicago Circle from the Illinois Building Authority

WHEREAS The Board of Trustees of the University of Illinois on July 26, 1967, authorized the Comptroller and Secretary of the Board to execute the necessary documents to permit the Illinois Building Authority to proceed with certain University projects which the Seventy-fifth General Assembly of the State of Illinois had declared to be in the public interest; and

WHEREAS in accordance with the Illinois Building Authority Act the Seventy-fifth General Assembly of the State of Illinois has declared, among others, the following University of Illinois project at the Chicago Circle to be in the public interest:

Science and Engineering Center Building at the Chicago Circle.... $18,848,300.00 and

WHEREAS said declaration also provides that the cost of any specific project could exceed the amount set forth therefor so long as the aggregate amount stated therein to be financed by the Illinois Building Authority for the University is not exceeded; and

WHEREAS the amount designated for said project as follows:

Chicago Circle Campus IBA #75-06 Construct Science and Engineering Center Building................................. $17,620,000.00 will not cause said aggregate amount to be exceeded; and

WHEREAS the Illinois Building Authority has forwarded to the University of Illinois the form of the permanent construction lease which it requests he used for this project; and has requested that the Board of Trustees take specific action to approve the same; copy of which lease form is presented herewith and is being filed with the Secretary of the Board for record;

Now, Therefore, Be It, and It Hereby Is, Resolved that the Comptroller and Secretary of this Board of Trustees be, and hereby are, authorized to execute, acknowledge, and deliver in the name and on behalf of this corporation a lease with the Illinois Building Authority in substantially the form presented to this meeting for the following building and facility:

Construction of a Science and Engineering Center Building at the Chicago
Circle, at a cost to the Illinois Building Authority of $17,620,000.00 requiring 24 rental payments as follows: an initial rental on or before September 1, 1968, in the sum of $1,249,845.00; and during each successive renewal term of the Lease, the annual sum of $1,249,845.00 on or before the 1st of September of each year thereafter until June 30, 1992, with total rental payments of $31,337,150.00 (less the sum of $1,340,870.00 which has been paid under the terms of an Interim Lease).

On motion of Mr. Clement, authority was given as recommended and the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr. Jones, Mr. Pogue, Mr. Swain; no, none; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weatherly, Mr. Williamson.

REQUEST TO ILLINOIS BUILDING AUTHORITY TO CONTRACT FOR PURCHASE AND CONSTRUCTION OF EQUIPMENT FOR THE UTILITIES CENTER ADDITION, CHICAGO CIRCLE

(21) The President of the University, with the concurrence of appropriate administrative officers, recommends that the Board request the Illinois Building Authority to award and proceed to procure the following contracts for furnishing and installing equipment for the use of the University at the Chicago Circle Utilities Center Addition required for the heating and air conditioning of Phase III Buildings. The award in each case is to the lowest bidder.

Division “301” — High Temperature Hot Water, Generating Unit and Pump — The International Boiler Works Company, East Stroudsburg, Pennsylvania

$136,019.00

Division “302” — Refrigeration Unit for Chilled Water — Associated Piping Contractors, Inc., Chicago

$181,560.00

Total

$317,579.00

The above equipment is a part of the project for Chicago Circle, Phase III, construction which the Board on July 26, 1967, requested the Illinois Building Authority to provide. The Authority will finance the construction and lease the facilities to the University for rental payments for which state appropriations are available. Jurisdiction of the land on which the project will be constructed will also be transferred to the Authority.

It is also recommended that the Comptroller and the Secretary of the Board be authorized to make, execute, acknowledge, and deliver such instruments of transfer, conveyance, lease, contract, and other documents as are necessary to provide for the carrying out of the foregoing project and equipment by the Illinois Building Authority.

I further recommend adoption of the resolutions submitted herewith to implement the official actions required.

Resolution

Be It, and It Hereby Is, Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Illinois Building Authority be, and it hereby is, requested to award to The International Boiler Works Company, P. O. Box 208, East Stroudsburg, Pennsylvania, a contract for high temperature hot water generating unit, high temperature hot water pump, and erection of high temperature hot water generating unit and pump for the Utilities Center Addition at the Chicago Circle, Phase III, for the fixed price of $136,019.00.

Be It, and It Hereby Is, Further Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized to make, execute, acknowledge and deliver, in the name and in behalf of this corporation, such instruments of transfer, conveyance, lease, contract, and other documents as are necessary or appropriate in order to provide for the carrying out of the foregoing project and facility by the Illinois Building Authority.

On motion of Mr. Clement, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr.
Resolution

Be It, and It Hereby Is, Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Illinois Building Authority be, and it hereby is, requested to award to Associated Piping Contractors, Inc., 1223 West 18th Street, Chicago, Illinois, a contract for one refrigeration unit for chilled water and erection of refrigeration unit for the Utilities Center Addition at the Chicago Circle, Phase III, for the fixed price of $181,560.00.

Be It, and It Hereby Is, Further Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Controller and Secretary of this public corporation be, and they hereby are, authorized to make, execute, acknowledge and deliver, in the name and in behalf of this corporation, such instruments of transfer, conveyance, lease, contract, and other documents as are necessary or appropriate in order to provide for the carrying out of the foregoing project and facility by the Illinois Building Authority.

On motion of Mr. Clement, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr. Jones, Mr. Pogue, Mr. Swain; no, none; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weatherly, Mr. Williamson.

EMPLOYMENT OF ENGINEERS FOR AIR CONDITIONING ILLINOIS STREET RESIDENCE HALLS, URBANA

(22) The President of the University, with the concurrence of appropriate administrative officers, recommends the employment of Robert Burkhardt and Associates, Inc., Chicago, for complete engineering services to complete the air conditioning of the Illinois Street Residence Halls at a fee in accordance with Schedule B of The Illinois Society of Professional Engineers Manual, 1965 edition.

Funds are available from the proceeds of the sale of revenue bonds.

The Advisory Committee on Architectural and Engineering Services has approved this recommendation.

On motion of Mr. Clement, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr. Jones, Mr. Pogue, Mr. Swain; no, none; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weatherly, Mr. Williamson.

DESIGNATION OF UNIVERSITY OFFICERS FOR FACILITY SECURITY CLEARANCE

(23) Officials of United States governmental agencies have requested the Board of Trustees to designate by formal action the officers of the Board and of the University who shall have the authority and responsibility for negotiation, execution, and administration of contracts with the United States of America and its agencies and all of the duties and responsibilities pertaining to the protection of classified information. The following resolution is offered and its adoption is recommended.

Resolution

WHEREAS, it has been brought to the attention of The Board of Trustees of the University of Illinois with its principal office and place of business in the City of Urbana, State of Illinois that in connection with a Facility Security Clearance, those officers of the University and Board of Trustees who are specifically and properly designated by action of its official executive body in accordance with the institution's requirements as the managerial group having the authority and responsibility for the negotiation, execution and administration of User Agency contracts and all of the duties and responsibilities pertaining to the protection of classified information and those members of The Board of Trustees who will require access to classified information are required to be cleared by the Department of Defense of the United States; and

WHEREAS, other Officers and Trustees who are United States Citizens, immigrant aliens, foreign representatives, or foreign nationals, and who shall not require
access to classified information in the conduct of the institution's business, are not
required to be cleared, provided the Board of Trustees, by action of its official
administrative body so affirms and makes a matter of record in the minutes of that
administrative body;

Resolved: Members of the Board of Trustees, other than those whose names
have been submitted for clearance, shall not require, nor shall have, and can be
effectively excluded from access to all classified information in the possession of
the institution and do not occupy positions that would enable them to affect ad-
versely the institutions policies or practices in the performance of classified con-
tracts for the User Agencies.

Be It Further Resolved: The following officers of The Board of Trustees and
of the University of Illinois be and hereby are designated as the managerial group
having the authority and the responsibility for the negotiation, execution, and ad-
ministration of User Agency contracts and all of the duties and responsibilities
pertaining to the protection of classified information: President, Secretary, and
Comptroller of The Board of Trustees of the University of Illinois; and President,
Vice-President and Comptroller, Executive Vice-President and Provost, and Legal
Counsel of the University of Illinois.

On recommendation of Mr. Jones, the foregoing resolution was

PURCHASES
(24) The President submitted, with his concurrence, a list of purchases recom-
ended by the Director of Purchases and the Vice-President and Comptroller.

The lists of purchases recommended for Board approval were presented in two
categories: purchases from appropriated funds (i.e., from state appropriations to
the University) and purchases from institutional funds. The latter term designates
funds received by the University under contracts with the United States govern-
ment, contracts with private corporations and other organizations, funds from
foundation grants, and grants from corporations and other donors, and University
reversing funds authorized by law.

The total amounts of these purchases were:
From Appropriated Funds ........................................ $304 077 80
From Institutional Funds ........................................ $391 466 31
Total .......................................................... $695 544 11

A complete list of the purchases recommended, with supporting information,
including the quotations received, was sent to each member of the Board in ad-
vance of the meeting, and a copy is being filed with the Secretary of the Board for
record.

On motion of Mr. Pogue, the purchases recommended were au-

COMPTROLLER’S REPORT OF PURCHASES APPROVED
(25) The Vice-President and Comptroller also submitted a report of purchases
approved by him on recommendation of the Director of Purchases in amounts of
$2,500 to $5,000. A copy of this report is filed with the Secretary.

This report was received for record.

COMPTROLLER’S MONTHLY REPORT OF CONTRACTS EXECUTED
(26) The Comptroller’s monthly report of contracts executed was submitted.

New Contracts

<table>
<thead>
<tr>
<th>With Whom</th>
<th>Amount to be Paid to the University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amdal Company</td>
<td>$ 8 000 00</td>
</tr>
<tr>
<td>Greenville College</td>
<td>26 234 00</td>
</tr>
<tr>
<td>(subcontract with the</td>
<td></td>
</tr>
<tr>
<td>Central Projects Office</td>
<td></td>
</tr>
<tr>
<td>of the Illinois State</td>
<td></td>
</tr>
<tr>
<td>Physics Project under N.S.F. grant GW-2986)</td>
<td></td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Illinois Cities and Villages Municipal Problems Commission</td>
<td>Research and analysis of problems concerning inter-governmental fiscal relations in Illinois municipalities, aspects of municipal budgeting, and new revenue sources for municipalities</td>
</tr>
<tr>
<td>La Salle County Conservation District United States Air Force AFOSR-68-1508</td>
<td>Long-range comprehensive study of the La Salle County Conservation District</td>
</tr>
<tr>
<td>United States Department of the Interior 14-01-0001-1693 United States Office of Education OEC-0-8-000511-2665(017)</td>
<td>Charged colloidal particles for propulsion</td>
</tr>
<tr>
<td>United States Office of Education OEC-0-8-000511-2665(017)</td>
<td>Diffusion and flow in interphase transport</td>
</tr>
<tr>
<td>United States Navy N00014-67-A-0305-0009</td>
<td>Training program for seven Bolivian educators consisting of workshop sessions on the subject of elementary teacher education, and observational visits which illustrate specific phases of the topics discussed</td>
</tr>
<tr>
<td>United States Navy N00014-67-A-0305-0010</td>
<td>Research in radio astronomy, including design, construction, and use of equipment for observation of the radio frequency spectra of extraterrestrial radio sources</td>
</tr>
<tr>
<td>United States Navy N00014-67-A-0305-0010</td>
<td>Research in the field of numerical and approximate analysis of structures including the development of problem-oriented computer program systems</td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
</tr>
<tr>
<td>Julian &quot;Cannonball&quot; Adderley Board of Education of the City of Chicago Newberry Center</td>
<td>Performance at Chicago Circle Center on January 19, 1968</td>
</tr>
<tr>
<td></td>
<td>Services of Elaine Grauer to serve as supervisor of student teachers of English</td>
</tr>
<tr>
<td></td>
<td>Participation in the program at Newberry's Settlement House by five to ten students enrolled in the University's regular programs for the preparation of elementary and secondary teachers at the Chicago Circle campus ($300 per student)</td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
</tr>
<tr>
<td>Illinois State Library</td>
<td>Rural library development</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration NGR14-005-088</td>
<td>Relativistic effects on space tracking data</td>
</tr>
<tr>
<td>United States Defense Atomic Support Agency DA-49-145-XZ-218</td>
<td>Research in structural dynamics</td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
<tr>
<td>With Whom</td>
<td>Purpose</td>
</tr>
<tr>
<td>Admiral Heating and Ventilating, Inc.</td>
<td>Oxygen piping work Medical Research Laboratory Addition</td>
</tr>
<tr>
<td>Fries Walters Company</td>
<td>Cost-plus contracts—electrical Hospital Addition Building Medical Research Laboratory Addition</td>
</tr>
<tr>
<td>Ideal Heating Company</td>
<td>Heating work Florida Avenue Residence Halls</td>
</tr>
<tr>
<td>Jamar-Olmen Company</td>
<td>Ventilating and sheet metal work University Hall</td>
</tr>
<tr>
<td>Dolores Miller and Associates, Ltd.</td>
<td>Interior design Undergraduate Library</td>
</tr>
<tr>
<td>Simpson Construction Company</td>
<td>General work Hospital Addition Building</td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>
Summary

Amount to be paid to the University ........................................... $474 674 00
Amount to be paid by the University ........................................... 65,972 00

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER


These reports were received for record, and copies have been filed with the Secretary of the Board.

INVESTMENT REPORT

Report of the Finance Committee

(28) The Finance Committee reported the following changes in investments of endowment funds for the month of December, 1967:

Pool
Sale
$50,000 Associates Investment open-end demand notes .................... $50,000 00
34,000 Commercial Credit open-end demand notes ....................... 34,000 00
50,000 General Finance Corporation open-end demand notes .......... 50,000 00
536 shares Standard Oil Company of California common stock .......... 33,354 03

Purchase
$45,000 Associates Investment open-end demand notes ................... 45,000 00
300 shares Texas Instruments common stock ........................... 33,975 84

Report of the Comptroller

The Comptroller reported the following changes in investments of current and unexpended plant funds, which he has been authorized to make, for the month of December, 1967:

Current Funds
Ford Foundation — General Engineering
Purchase
$25,000 U.S. Treasury bills due 2/1/68 ...................................... $24,764 74

Restricted Group
Purchase
$1,000,000 Archer-Daniels-Midland notes due 4/4/68 ...................... 984,375 00

Art Objects
Sale
$46,000 CIT Financial open-end demand notes ............................ 46,000 00
64,000 U.S. Treasury bills due 10/31/68 ................................... 60,954 56

Purchase
$65,000 U.S. Treasury bills due 12/31/68 ................................. 61,480 25

Construction Funds
Assembly Hall
Purchase
$272,000 U.S. Treasury bills due 11/30/68 ................................ 257,843 00

Dentistry-Medicine-Pharmacy Auxiliary (Medical Center)
Purchase
$66,000 U.S. Treasury bills due 2/29/68 ................................... 65,188 42
51,000 U.S. Treasury bills due 4/25/68 ................................... 49,912 92
30,000 U.S. Treasury bills due 5/23/68 ................................... 29,208 05
200,000 U.S. Treasury 4½ per cent notes due 8/15/68 .................... 198,250 00

Florida Avenue Residence Hall
Purchase
$836,000 U.S. Treasury bills due 11/30/68 ................................ 792,462 98
Purchase $285,500 in 5% per cent notes due 6/30/76.

Purchase $95,000 in U.S. Treasury bills due 1/31/68.

Purchase $223,000 in U.S. Treasury bills due 12/21/67.

Purchase $473,000 in U.S. Treasury 4 per cent bonds due 11/30/68.

Purchase $28,000 in U.S. Treasury 4 per cent bonds due 2/15/70.

This report was received for record.

Authorization for Participation in the Establishment of the Chicago Regional Dental Research Institute

(29) The College of Dentistry recommends that the University of Illinois join three other universities in Chicago and the American Dental Association in establishing a multi-institutional center for research and advanced study in the basic and clinical sciences related to oral health and disease— to be called "the Chicago Regional Dental Research Institute."

The proposed institute would be established under a program sponsored by the National Institute of Dental Research which is a branch of the National Institutes of Health (United States Department of Health, Education, and Welfare). The guidelines established by the National Institute of Dental Research for such an Institute require that the participating institutions execute a Memorandum of Agreement which would commit them to establishing a not-for-profit corporation to administer the proposed organization and handle its funds. The proposed Memorandum of Agreement appears below.

It will be noted that each of the participating institutions "agree to make available to the Institute the sum of $10,000 to cover its early administrative activities and to commit up to an additional $15,000 each, if needed, to cover additional expenses which the Institute might incur." In the event that the proposal is approved by the National Institute of Dental Research, and the new corporation established, the University's share of the funds required would be provided from non-state sources (the Contract Research Reserve at the Medical Center campus). Furthermore, it is anticipated that indirect-cost income from expected grants would offset the commitments of funds required under the Memorandum of Agreement.

The Chancellor at the Medical Center campus, the Executive Vice-President and Provost, the Vice-President and Comptroller, and the Legal Counsel endorse this recommendation.

I concur.

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

Memorandum of Agreement

This Memorandum of Agreement made and entered into this ___ day of ______, by and between University of Chicago, University of Illinois, Loyola University of Chicago, Northwestern University, and American Dental Association.

WHEREAS, the parties hereto propose to create and be active, joint participants in a multi-institutional center for research and advanced study in the basic and clinical sciences related to oral health and disease as a regional resource for dental research in the greater Chicago area,

Now, Therefore, in consideration of the premises and the promises hereinafter contained, the parties agree as follows:

[Board of Trustees]
1. The parties hereby establish and agree to be active participants in the Chicago Regional Dental Research Institute. The purpose of the Institute is to conduct a center for research and advanced study in the basic and clinical sciences related to oral health and disease.

2. To the extent feasible and practicable, the parties, as joint participants, agree to encourage and permit outstanding investigators from their respective institutions to perform research within the framework of the Institute and further to make available their respective laboratories and equipment for use in the performance of Institute programs. The aforementioned phrase “to the extent feasible and practicable” shall mean, wherever such phrase appears in this Memorandum of Agreement, as follows: to the extent that no undue burden or interference with other necessary activities of any party will result.

3. The parties agree to form and develop the Institute as an effective and stable administrative structure to further scientific progress in the field of oral research pursuant to the guidelines for dental research institutes which have been promulgated by the National Institute of Dental Research of the United States Government. To achieve such an avowed administrative structure, the parties will soon cause a corporation to be formed under the general not-for-profit statutes of the State of Illinois for the purpose of administering the Institute and handling and managing its funds.

4. Each of the parties agrees to make available to the Institute the sum of $10,000 to cover its early administrative activities and to commit up to an additional $15,000 each, if needed, to cover additional expenses which the Institute might incur.

5. In keeping with the needs of both the programs which the Institute will conduct and the capabilities of each of the parties, each of the parties agrees to permit, to the extent from time to time feasible and practicable, its scientists from the physical, biological and behavioral disciplines to perform services for the Institute in collaboration with the scientists from the other parties. Further, again to the extent feasible and practicable, the parties agree to permit the use of each party's facilities, including laboratories and equipment, by the scientific representatives of the other parties.

6. Each of the parties agrees to share the costs, to the extent necessary, of the administration and programs of the Institute and to realize reimbursement only to the extent that third parties will pay for such costs, including direct and indirect costs and overhead.

7. To facilitate execution, the parties agree that this Memorandum of Agreement may be signed in counterparts with the same effect as though all the parties signed one and the same copy.

In Witness Whereof, the parties hereto have caused this Memorandum of Agreement to be executed all on the day first above written.

UNIVERSITY OF CHICAGO

UNIVERSITY OF ILLINOIS

LOYOLA UNIVERSITY OF CHICAGO

NORTHWESTERN UNIVERSITY

AMERICAN DENTAL ASSOCIATION

Attest: 

EXCHANGE OF PROPERTY

(30) The President recommends, upon request of the Athletic Association of the University of Illinois, that the Board authorize the exchange of University-owned property on Church Street in Savoy, Champaign County, Illinois (a tract of land, approximately 1,650 feet by 150 feet, located at the north side of the golf course),
for Athletic Association-owned property north of the University of Illinois-Willard Airport access road, Champaign County, Illinois (a tract of land, approximately 2,600 feet by 158 feet, subject to public and private easements, located at the south side of the golf course).

The exchange is mutually advantageous to both the University and the Athletic Association, in that the exchange will prevent undesirable development of the area, and will permit improvement of the airport access road in the future.

Adoption of the following resolution is requested.

Resolution

Be It and It Hereby Is Resolved by The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, with its principal office in the City of Urbana, in the County of Champaign, and State of Illinois, that upon title to the following-described property being conveyed to this public corporation by The Athletic Association of the University of Illinois, a not-for-profit corporation of the State of Illinois, viz:

That part of the South East Quarter (SE ¼) of Section Two (2), in Township Eighteen North (T-18-N), Range Eight East (R-8-E) of the Third Principal Meridian (3rd P.M.) in the County of Champaign and State of Illinois, described as follows:

The South One Hundred Fifty-eight feet (158') of said South East Quarter (SE ¼) of Section Two (2), subject to any private or public easements or rights-of-way; and subject to an easement for street purposes retained by the Grantor described as follows: The West Sixty feet (60') of the East One Hundred Eighty feet (180') of the South One Hundred Fifty-eight feet (158') of the said South East Quarter (SE ¼) of Section Two (2); containing 9.43 acres, more or less, and all situated in Champaign County, Illinois;

that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized and directed, to execute, acknowledge and deliver, in the name and in behalf of, this public corporation, and under its corporate seal, a Warranty Deed and such other documents in connection therewith as said Comptroller and Secretary may deem necessary or desirable in order to convey to The Athletic Association of the University of Illinois, its not-for-profit corporation of the State of Illinois, with its principal office in the City of Champaign, in the County of Champaign, and State of Illinois, all right, title, and interest in and to the following-described property except that air rights shall be retained for the benefit of this public corporation, its successors and assigns, and the general public at large, for the free, unobstructed passage of aircraft, by whomsoever owned or operated, in and through the air space over said property, which extends above the heights aforesaid and that Grantee, its successors, and assigns, shall not hereafter use or permit or suffer use of the following-described property in such a manner as to create electrical interference with radio communication between the installation upon the University of Illinois-Willard Airport and aircraft or as to make it difficult for fliers to distinguish between airport lights and others, or as to result in glare in the eyes of fliers using the said airport, or as to impair visibility in the vicinity of the airport, or as otherwise to endanger the landing, taking off or maneuvering of aircraft; to wit:

That part of the North One Hundred Eighty-three feet (183') of the North East Quarter (NE ¼) of Section Two (2), in Township Eighteen North (T-18-N), Range Eight East (R-8-E) of the Third Principal Meridian (3rd P.M.) in the County of Champaign and State of Illinois, described as follows:

Beginning at a point Thirty-three feet (33') South and Five Hundred Thirty-eight and Ninety-seven Hundredths feet (538.97') West of the Northeast Corner of said Northeast Quarter (NE ¼), and which point of beginning is
the Northwest Corner of the tract of land conveyed by The Board of Trustees of the University of Illinois, a public corporation, as Grantor, to The Athletic Association of the University of Illinois, as Grantee, by Warranty Deed dated November 24, 1958, and filed for record in the Recorder's Office of Champaign County, Illinois, on December 19, 1958, at 4:00 P.M., in Book 612 of Records on Page 114 as Document No. 621449, thence West One Thousand Six Hundred Fifty and Ninety-three Hundredths feet (1650.93') along a line Thirty-three feet (33') South of and parallel to the North line of said Section Two (2), thence South One Hundred Fifty feet (150') along a line parallel to the West line of said North East Quarter (NE 1/4) thence East, One Thousand Six Hundred Fifty and Ninety-three Hundredths feet (1650.93') along a line parallel to the North line of said Section Two (2), thence in a Northerly direction to and along the West line of said tract of land conveyed by Grantor to Grantee by said Warranty Deed dated November 24, 1958, One Hundred Fifty feet (150'), more or less, to the point of beginning, and all situated in Champaign County, Illinois, subject to building restrictions and easements of record.

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

CONSULTING SERVICES REGARDING OAKLEY DAM AND RESERVOIR PROJECT

(31) In accordance with the request of the Board of Trustees, this proposal is presented for the award of a contract to Harza Engineering Company, Chicago, to investigate alternatives to the 1966 Corps of Engineers plan for a conservation pool behind Oakley Dam and Reservoir, which will permanently inundate 600 acres of land in Robert Allerton Park. The objectives of the study are:

1. To identify and appraise very generally a broad range of concepts for water resource development and management projects as alternatives to the "higher" Oakley Reservoir.

2. To determine whether any of the alternatives are sufficiently promising to merit the expense of further in-depth engineering and economic investigation.

3. To design a program of investigation and analysis for detailed investigation of the promising alternatives.

Harza Engineering Company estimates that eight weeks would be required to complete the study, after which they will publish a report. They propose a fee of $15,000 for the study and report.

Funds are available for this study from the income of Robert Allerton Farms. The Chairman of the Buildings and Grounds Committee and all appropriate administrative officers have been consulted.

On motion of Mr. Grimes, the recommendation was approved with the understanding that the proposed fee be appropriately reduced if the study should indicate no need to proceed with item 3; this action was taken by the following vote: Aye, Mr. Clement, Mr. Grimes, Mr. Hahn, Mr. Jones, Mr. Swain; no, Mr. Pogue; absent, Mr. Hughes, Governor Kerner, Mr. Page, Dr. Weatherly, Mr. Williamson.

MIDYEAR DEGREES

The Secretary presented for record the following list of degrees conferred on candidates at Urbana-Champaign on February 15, 1968, in accordance with the authorization of the Board.

Summary

Graduate College
Doctor of Philosophy.................................................. 142
Doctor of Education.................................................. 12
Doctor of Business Administration............................... 1
Doctor of Musical Arts............................................... 2
Master of Arts......................................................... 118
Master of Science.................................................... 249
Master of Music....................................................... 6
MASTER OF EDUCATION .................................................. 81
MASTER OF ARCHITECTURE ............................................... 6
MASTER OF ACCOUNTING SCIENCE ...................................... 12
MASTER OF BUSINESS ADMINISTRATION ................................. 13
MASTER OF COMMERCE ................................................... 1
MASTER OF LANDSCAPE ARCHITECTURE ................................ 2
MASTER OF URBAN PLANNING ............................................. 4
ADVANCED CERTIFICATE IN EDUCATION .................................. 3
CERTIFICATE OF ADVANCED STUDY IN LIBRARIANSHIP .................... 1

Total, Graduate College .................................................. (653)

COLLEGE OF AGRICULTURE
Bachelor of Science ....................................................... 74

COLLEGE OF ENGINEERING
Bachelor of Science ....................................................... 262

COLLEGE OF LIBERAL ARTS AND SCIENCES
Bachelor of Arts .......................................................... 206
Bachelor of Science ....................................................... 114

Total, College of Liberal Arts and Sciences .............................. (320)

COLLEGE OF LAW
Doctor of Law ............................................................. 22

COLLEGE OF EDUCATION
Bachelor of Science ....................................................... 52

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
Bachelor of Science ....................................................... 77

COLLEGE OF JOURNALISM AND COMMUNICATIONS
Bachelor of Science ....................................................... 13

COLLEGE OF FINE AND APPLIED ARTS
Bachelor of Architecture .................................................. 23
Bachelor of Fine Arts ..................................................... 29
Bachelor of Music .......................................................... 4
Bachelor of Science ....................................................... 14
Bachelor of Landscape Architecture .................................... 1
Bachelor of Urban Planning ................................................. 3

Total, College of Fine and Applied Arts .................................. (76)

COLLEGE OF PHYSICAL EDUCATION
Bachelor of Arts .......................................................... 2
Bachelor of Science ....................................................... 27

Total, College of Physical Education ..................................... (29)

COLLEGE OF VETERINARY MEDICINE
Bachelor of Science ....................................................... 1

Total, Degrees Conferred at Urbana-Champaign ......................... 1,579

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Accounting
FLOYD ALAN BEAMS, B.Sc., M.A., University of Nebraska, 1959, 1961
DOUGLAS ROY CARMICHAEL, B.Sc., M.A.S., 1963, 1964
LUCY LUC-HEN CHAO, B.S.B.A., National Taiwan University, 1963; M.A.S., 1964
MELVIN THEODORE MCCONELL, B.A., University of Maine, 1957; M.S., 1960

In Aeronautical and Astronautical Engineering
RALPH BARRY GILBERT, B.S., M.S., 1962, 1964
THOMAS JAMES McDaniel, B.S., M.S., 1962, 1964
RONG CHUNG SHIEH, B.S.E., National Taiwan University, 1956; M.S.E., University of Michigan, 1962; Mech.Eng., Columbia University, 1965
In Agricultural Economics

Precioso Cayamanda Kuhonta, B.S.A., M.S., University of the Philippines, 1957, 1960; M.A., Vanderbilt University, 1964
Donald Alexander Muir, B.Ag.Ec., University of New England, 1962; M.S.A., University of Toronto, 1964

In Agronomy

Isabelo Sueio Alcendo, B.S.A., University of the Philippines, 1958; M.S., University of Hawaii, 1963
Taylor Jimmie Johnston, B.S., University of Tennessee, 1963; M.S., 1965
William Arthur Krueger, B.S., University of Minnesota, 1963
William Everett Lueschen, B.S., Southern Illinois University, 1964; M.S., 1966
William Dean Reiss, B.S., M.S., Southern Illinois University, 1960, 1961
Hari Lal Singh Tandon, B.Sc., Uttar Pradesh Agricultural University, 1963; M.S., 1965

In Anthropology

William Lee Allen, B.A., University of California (Santa Barbara), 1963
Harvey Russell Bernard, B.A., Queens College, 1961; A.M., 1963

In Astronomy


In Biology

Isaac Moses Seligman, B.Sc. (Hons.), University of the Witwatersrand, 1962

In Biophysics

John Clingman Munday, Jr., A.B., Cornell University, 1962
George PapaGeorgiou, Dipl., Aristotelian University of Thessaloniki, 1958

In Botany

Richard Harold Falk, B.S., M.S., 1964, 1965
Julian Myron Frankenberg, B.S., 1961; M.S., University of Minnesota, 1963

In Business

Abd-Allah Abd-El-Halim Ahmed Abd-Baker, B.Com., Ain Shams University, 1960; M.S., 1964

In Ceramic Engineering

Russell Lee Bolton, B.S., M.S., 1955, 1959
Lawrence Lee Martin, B.S., M.S., 1963, 1964

In Chemical Engineering

Haralambo Dimgopulos, B.S.Ch.E., Robert College (Istanbul); M.S., 1965
Douglas Steven Prensner, B.S., University of Texas, 1963; M.S., 1965
Gene Douglas Rose, B.S., University of North Dakota, 1963; M.S., 1965
Donald Ernest Woodmansee, B.Ch.E., University of Delaware, 1963; M.S., 1965

In Chemistry

Earl Gifford Alley, B.S., M.S., Mississippi State College, 1959, 1961
Jon Michael Baldwin, A.B., Villa Madonna College, 1962
James Billet, B.S., Wheaton College, 1964; M.S., 1966
Edward Bromels, B.S., Purdue University, 1961; M.S., 1963
Audrey Owen Cohen, B.S., Carnegie Institute of Technology, 1964
Robert Joseph Crouch, B.S., Southern Methodist University, 1961; M.S., 1962
El-Hussieny Mohamed Mohamed Diefallah, B.Sc., Ain Shams University, 1959; M.S., University of Chicago, 1963
Donald Harvey Dougure, B.S., University of Massachusetts, 1961
Rosalina Suessmann Fogleson, B.A., Wellesley College, 1963; M.S., 1965
William Donald Fogleson, Jr., B.S., Marshall University, 1963; M.S., 1965
Joan Martha Friedland, B.S., Cornell University, 1959; M.S., 1964
DONALD STANFORD HETZEL, B.A., Ohio Wesleyan University, 1963; M.S., 1965
DAVID ERNEST HYATT, A.B., Colgate University, 1964; M.S., 1966
MILDRED CORINE MCDANIEL, B.S., University of Texas, 1963; A.M., 1965
JOHN FRANKLIN NIBLACK, B.S., Oklahoma State University, 1960; M.S., 1965
ANTHONY VICTOR NOWAK, B.S., Loyola University, 1960; M.S., Northern Illinois University, 1963; M.S., 1965
KEITH RAY SHELTON, B.A., University of Virginia, 1963
ROBERT EDWIN TAPSCOTT, B.S., University of Colorado, 1964

In Civil Engineering
EDWARD HENRY BULTMANN, JR., B.S.E., Tulane University of Louisiana, 1952; M.S., 1954
EZIO FACCIOLE, Laurea, Politecnico di Milano, 1964
RICHARD HOLT GATES, B.S., United States Military Academy, 1960; M.S., 1964
RAVINDAR KUMAR KINRA, B.Tech., Indian Institute of Technology (Kharagpur), 1962; M.A.Sc., University of British Columbia, 1964
NOEL AVON WILSON, B.A., University of Idaho, 1938; A.M., University of Missouri, 1960

In Classical Philology
STEPHEN CARY SHUCARD, B.A., Brooklyn College, 1962

In Communications
JAMES FORREST EVANS, B.S., Iowa State College, 1954; M.B.A., University of Chicago, 1961
ROBERT BARRY FULTON, B.S., M.A., Pennsylvania State University, 1960, 1962
WILLIAM DANIEL RYAN, A.B., M.S., 1954, 1960

In Comparative Literature
ROGER BARTON JOHNSON, JR., B.A., University of Southern Mississippi, 1963; A.M., 1966

In Dairy Technology
SURJAN SINGH, M.Sc.Ag., Agra University, 1961

In Economics
LOUIS WARREN RITTSCHOF, A.B., M.S., 1957, 1962
FRANKLIN DELANO VAN BUER, B.S.Ed., M.A., Northern Illinois University, 1960, 1964

In Education
ALAN LARRY BALTER, B.S., M.S., 1960, 1962
JOHN ROMNEY PYPER, B.A., Brigham Young University, 1961; M.S., 1964
ROBERT EARL RECTOR, B.S., M.S., Indiana State University, 1951, 1952; A.M., 1961
OMER WILLIAM RENFROW, B.A., Yale University, 1942; B.E., M.Ed., University of Cincinnati, 1947, 1950

In Electrical Engineering
CHUSHIN APUSO, B.Eng., Yokohama National University, 1956; M.S., 1961
JACK JULES BOUQUIN, B.S.E.E., Texas Western College, 1958; M.S.E.E., New Mexico State University, 1962
KENNETH JAMES BREEDING, B.S., M.S., 1963, 1965
ALFRED CHO, B.S., M.S., 1960, 1961
DAVID KOO-KIEN CHOW, B.Sc., Taiwan Provincial Cheng Kung University, 1958; M.S., Marquette University, 1963
ROGER CHARLES CONANT, B.S.E.E., Purdue University, 1961; M.S., 1963
PAUL GATES INGERSON, B.S., M.S., 1960, 1962
1968]

UNIVERSITY OF ILLINOIS

DANIEL TABAK, B.S., M.S., Technion, Israel Institute of Technology, 1959, 1963
ROBERT JOHN TRACY, B.S.E.E., Illinois Institute of Technology, 1963; M.S., 1965

In English

JEROME STEELE DEES, A.B., Catawba College, 1958; M.A., Florida State University, 1961
THOMAS KING EHRET, B.S., University of Colorado, 1955; A.M., 1959
RICHARD EUGENE HUTSON, A.B., A.M., 1957, 1959
SISTER PATRICIA KENNEDY, B.A., Mount Saint Scholastica College, 1951; M.A., Catholic University of America, 1961; Ed.M., 1958
DAVID QUINTIN SMITH, A.B., Columbia University, 1960; M.A., New York University, 1963
WILLA FERREE VALENCIA, B.A., Bob Jones University, 1950; M.Ed., University of Chattanooga, 1957; M.A., University of Tennessee, 1962
JOHN ALBERT VIA, B.A., Baylor University, 1959; M.A., Mississippi State University, 1961

In Entomology

ALY ABDEL-MEGUID ABOU-ALY, B.S., M.S., Ain Shams University, 1955, 1960
WILLARD HENRY FOGAL, B.A., M.A., University of Saskatchewan, 1962, 1964
LANCE GEORGE PETERSON, B.A., University of Minnesota, 1962

In French

PATRICK DAVID PERSAUD, A.B., A.M., 1962, 1963

In Geography

THOMAS JOSEPH MARESH, B.A., Washington State University, 1962

In History

KENNETH GLENN MADISON, A.B., A.M., 1962, 1963

In Library Science

ISAAC THOMAS LITTLETON, A.B., University of North Carolina at Chapel Hill, 1943; M.A., University of Tennessee, 1950; M.S., 1951

In Linguistics

ROBERT PAUL FOX, B.S., M.S., Georgetown University, 1960, 1962

In Mathematics

SURJIT SINGH KHURANA, M.A., Panjab University, 1955
CHARLES GOMER THOMAS, B.A., Pomona College, 1962; B.A. (Hons.), University of Cambridge, 1964
WALDEMAR CARL WEBER, B.S., United States Naval Academy, 1959; M.S., 1964

In Mechanical Engineering

JAMES JOSEPH STUKEL, B.S.M.E., Purdue University, 1959; M.S., 1963
ROBERT ARTHUR WALLHAUS, B.S., M.S., 1960, 1962

In Metallurgical Engineering

EMMANUEL DE LAMOTTE, Eng. Physicist, State University of Liege, 1962; M.S., 1963

In Microbiology

SAMUEL FOGEL, B.S., Philadelphia College of Pharmacy and Science, 1960; Hahnemann Medical College, 1963

In Nuclear Engineering

DAVID EWING COATES, B.A.Sc., University of Toronto, 1951; M.S., 1962
YO TAIK SONG, B.E., Yonsei University, 1954; M.S., 1962
In Philosophy
Steven Davis, A.B., University of Rochester, 1960; A.M., 1964
George Halsey Douglas, A.B., Lafayette College, 1956; A.M., Columbia University, 1964

In Physical Education
Karl Franklin Munson, B.S., 1950; M.S., Indiana University, 1954

In Physics
Marvin Blecher, A.B., Columbia University, 1962; M.S., 1964
Arthur Roger Cooke, S.B., Massachusetts Institute of Technology, 1962; M.S., 1964
Chooc Hon Lee, B.S., M.S., Seoul National University, 1953, 1957
Jerrold Lloyd McNatt, B.S., Wheaton College, 1962; M.S., 1963
Joseph Andrew Moyzis, Jr., A.B., M.S., 1957, 1958
Nasrallah Fares Nasrallah, B.S., American University of Beirut, 1961; M.S., 1964
Joseph Francis Thomas, Jr., B.E.P., Cornell University, 1963; M.S., 1965
Lynn James Verhey, B.A., Kalamazoo College, 1962; M.S., 1964

In Physiology
Vytautas Uzgiris, A.B., B.S., M.D., 1958, 1959, 1961

In Plant Pathology
Cecil Gerald Van Dyke, B.S., Eastern Illinois University, 1963; M.S., 1966

In Political Science
Yung Ho Park, B.A., Montana State University, 1960; A.M., 1964

In Psychology
Edward Lee Hoffman, A.B., 1960
Larry Richard Killian, B.A., Texas Christian University, 1960; A.M., 1965
Ralph William Trimble, B.S., University of Iowa, 1963

In Sanitary Engineering
Millard Wayne Hall, B.E., Vanderbilt University, 1962; M.S., 1963

In Sociology

In Spanish
Marcia Simpson Lewis, A.B., College of Notre Dame (Maryland), 1961; A.M., 1962

In Speech
Raymond Louis Fischer, B.S., M.S., Eastern Illinois University, 1954, 1956
Helen Vasilguo Martin-Trigona, B.A., University of New Hampshire, 1940; A.M., Cornell University, 1942

In Theoretical and Applied Mechanics
Terry Franklin Lehnhoff, B.S.M.E., M.S.M.E., University of Missouri at Rolla, 1961, 1962
Richard William Weeks II, B.S., Swarthmore College, 1964; M.S., California Institute of Technology, 1965

In Veterinary Medical Science
Donald Louis Dawe, B.S., University of Wisconsin, 1959; D.V.M., Iowa State University of Science & Technology, 1963; M.S., 1965
ABDELLATIF EL-ZEIN, D.V.M., University of Toulouse (France), 1960; M.S., 1965
WALTER MARINE PEDERSOLI, Dipl.Vet.Med., University of Minas Gerais (Brazil), 1956; M.S., 1965

In Zoology
SUE YING LEE, B.S., M.S., State University of New York (Albany), 1961, 1963

Degree of Doctor of Education
In Education
MENNO DILIBERTO, B.S., M.A., Kent State University, 1961, 1962
ERNEST ROBERT HOUSE, A.B., Washington University, 1959; M.S., Southern Illinois University, 1964
PATRICIA ANN JAKUBOWSKI, B.S., Wisconsin State University (Oshkosh), 1963; Ed.M., 1965
THOMAS RONALD JENSEN, B.S., Brigham Young University, 1958; Ed.M., 1961
LEON ALBERT MAYER, B.S., Southern Illinois University, 1951; M.S., 1956
ANITA CATHERINE TILLEY, B.A., Southeastern Louisiana College, 1941; M.Ed., University of Texas, 1955
MARVIN WILLERMAN, B.S., Northern Illinois University, 1951; Ed.M., 1952
KENNETH EMERSON WYATT, B.S., M.Ed., University of Oregon, 1951, 1954

In Music Education
FORREST KENT CAMPBELL, B.M., University of Kentucky, 1952; M.S., 1953
JOHN NEWTON MAHARG, B.S.M., Capital University, 1942; Ed.Mus.M., Oberlin College, 1952

Degree of Doctor of Business Administration
JOHN DONALD FORSYTH, B.A., Queen's University, 1958; M.B.A., University of Detroit, 1962

Degree of Doctor of Musical Arts
JAMES STANLEY BALLINGER, B.Mus., University of Wichita, 1950; Mus.M., Oberlin College, 1953
MALCOLM BILSON, A.B., Bard College, 1957; M.M., 1962

Degree of Master of Arts
In Anthropology
GUY THEODORE ASHTON, A.B., Grinnell College, 1963
CAROL BERMAN STACK, A.B., University of California, 1961

In Art Education
JOAN MOROSKY DUBSON, B.F.A., 1965
RICHARD TIMOTHY LAGEOSE, B.F.A., 1966
TRACY BYROM WINKLER, B.F.A., 1963

In Art History
SUSANNE LUCIENNE PHILIPPSON CURCIC, B.F.A., 1963
BARBARA JEAN WALTHER, B.A., University of Washington, 1954

In Chemistry
KATHERINE SUE COOK, A.B., Drury College, 1965

In Classics
LINDA STONEALL DAMMERS, B.A., Lawrence University, 1966

In Comparative Literature
BERTEL SIGFRED PEDERSEN, Aarhus University

In Economics
DONALD EDWARD BAER, B.A., Michigan State University, 1963
CORINNE ANN GUNTZEL, B.A., Carleton College, 1964
ROBERT EDMOND SHEBERT, B.A., St. Procopius College, 1965
THOMAS ALBERT WESSELS, A.B., St. Benedict's College, 1966

In Education
THOMAS HUGH ANDERSON, A.B., Antioch College, 1963
RITA SANDRA MINTZ, A.B., Hunter College, 1966
SHELLEY WEXLER SORANI, B.A., Barnard College, 1964

In English
INEZ LARSON ALFORS, B.A., Concordia College, 1965
ROY MELVIN ANKER, B.A., Hope College, 1966
RONALD GARTH EPPLE, B.A., Roosevelt University, 1963
CHARLES EDWARD GOLDSMITH, B.A., 1966
DESMOND MCLAWRENCE HAMLET, B.A., Inter American University of Puerto Rico, 1958; B.D., Waterloo Lutheran University, 1961
SHARON KAY SMITH HULT, A.B., 1966
MARGARET LEE WALL SUMMERS, A.B., Greenville College, 1961
PATRICIA D'EVAN TIGCHELAAR, A.B., Calvin College, 1963
CARLA MINETTE GINZE, A.B., 1964
DANIELLE DITLOVE GONNEN, B.Mus., Roosevelt University, 1963
RONALD DAVID GORDON, A.B., 1965
DOMINIQUE LUCIENNE SONTIER, Licence, Universite de Paris, 1964

In French
ROBERT SCOTT ROUSE, A.B., 1966

In Geography
SONJA EVA KIELHORN HUXHOLD, A.B., 1965
CHRISTA KIRSCHNER JACOBS, A.B., 1965
THOMAS WILLIARD SMITH, A.B., Heidelberg College, 1965

In German
STEPHEN DAVID AUBRECHT, B.A., Haverford College, 1966
GARY BAKER BLOOMESHAINE, B.A., Northwestern University, 1966
JAMES FALVEY BOGUE, A.B., Harvard University, 1965
GERALDINE HANCOCK FORBES, B.Ed., University of Alberta, 1965
DONALD ROBERT HICKEY, A.B., 1966
ELIZABETH ANN HOORNKIRK, B.A., University of Chicago, 1966
THOMAS LAWRENCE JAROM, B.A., Cornell College, 1966
CATHARINE HAMILTON KAPPAUF, A.B., Vassar College, 1940
JOSEPH FRANCIS MERRIMAN, B.A., Marquette University, 1965
RICHARDS CLINTON OSBORN, JR., A.B., 1962
CHARLES JOSEPH SLOVAK III, B.A., Marietta College, 1966
GEOFFREY PRINCE WILLIAMS, B.A., Colby College, 1966
JOHN PATRICK WOLGAMOT, A.B., 1966

In Labor and Industrial Relations
DENNIS CRAIG CHEANEY, B.B.A., University of Texas, 1966
DAVID FRANK DECK, B.S., Illinois Institute of Technology, 1967
DENNIS CHARLES FILIPPO, B.A., Carthage College, 1966
MICHAEL JOSEPH MARMO, B.A., City University of New York (Brooklyn), 1965
MARK LAWLER TENNISON, B.A., Hamline University, 1966
JEFFREY BLAKE WINTON, B.S., 1966

In Mathematics
JOAN THERES BE BENSON, B.S., Marquette University, 1966
ERIC FRANKL, A.B., University of Rochester, 1966
Lawrence Joseph Henschen, A.B., 1966
Niceta Bustamante Labrador, B.Sc.Ed., University of Santo Tomas, 1952
Stephen John Mondy, B.S., 1966
Bernard Michael Waxman, B.S.A., Washington University, 1966
William Edward Wright, B.A., Southern Illinois University, 1966
Jane Yoshie Yoshida, A.B., University of California, 1966

In Philosophy
Ivan Don Bell, A.B., 1966
James Andrew Fulton, B.A., Kansas State College of Pittsburg, 1965
Willard Marshall Miller, A.B., 1966

In Political Science
Lynda Shirley Tepper Carlson, B.A., City University of New York (Brooklyn), 1965
Laurel Madsen Church, A.B., 1966
Irene Fraser, B.A., Chatham College, 1966
Lawrence Vernon Grant, B.A., Washington State University, 1964
Thomas Robert Kitsos, B.S., Eastern Illinois University, 1964
Martin Lubin, B.A., McGill University, 1961
Pamela Caswell Tilling, A.B., Gettysburg College, 1963

In Psychology
Karen Vezzie Davis, A.B., San Diego State College, 1965
Lawrence Donald Ewert, B.S., 1965
Jack Michael Feldman, B.S., 1966
Sharon Ruth Gitin, A.B., Cornell University, 1965
David Joel Greenberg, B.S., Cornell University, 1964
William Arthur Holzworth, B.A., Lawrence College, 1964
Eileen Carole Kaplan, B.A., Queens College, 1966
Sandra Risa Leiblum, B.A., Brooklyn College, 1965
Merrilee Ryder Lewis, A.B., 1964
Ralph George Lubitz, A.B., Boston University, 1959
Frank Dean Payne, A.B., University of California, 1965
Robert Steven Sobel, B.A., State University of New York (New Paltz), 1966
Susan Ilene Taub, A.B., Knox College, 1964
Richard Charles Urbano, B.S., Florida State University, 1965
Clinton Brockway Walker, A.B., Cornell University, 1957
Myron Alan Whitman, A.B., Northwestern University, 1964

In Russian

In Social Sciences
Marcella Bischoff Rainey, B.S., Illinois State University, 1963

In Sociology
Ralph Leland Blankenship, B.A., University of Northern Iowa, 1959
Aaron Philip Donsey, A.B., 1965
Joann Reinhartsen Weiss, B.S.N., St. Olaf College, 1962

In Spanish
Frank Falco, A.B., 1966
Lois Rita Navid, A.B., University of California, 1966
Dagoberto Orrantia, B.A., New Mexico Highlands University, 1966
Lynne Charlotte Staedke, B.A., Millikin University, 1965
John Neal Strange, B.A., Florida State University, 1966
Stephen James Summerhill, B.A., University of Toronto, 1966
John Addison Voorhees, B.A., Berea College, 1965
Rinda Rebeca Young, B.A., Wisconsin State University (Eau Claire), 1966
In Speech
Gloria Sue Cook, B.A., Texas Christian University, 1966
Maxine Gail Hollander, B.A., State University of New York (Buffalo), 1966
Jon Keith Jensen, B.S., 1966
Jean Ann Northcutt, B.A., Southwest Missouri State College, 1965
John William Ravage, B.S., A.M., Ball State Teachers College, 1959, 1963

In Statistics
Mary Alice Seville, B.A., Southern Methodist University, 1964

In the Teaching of English
Elizabeth Anne Bruner, A.B., 1966
Lambert George Kern, Jr., A.B., Aurora College, 1962

In the Teaching of English as a Second Language
Achamma Cochuvava Colparampil, B.A., Barat College of the Sacred Heart, 1966
Jose Pinheiro de Souza, Licentiate, Catholic Faculty of Philosophy (Ceara), 1965

In the Teaching of Social Studies
Denis John Ballak, B.S., Southern Illinois University, 1966
Leandro Alfred Bartolini, A.B., Knox College, 1964
Charles Eugene Miller, B.A., Valparaiso University, 1960

In the Teaching of Speech
Evelyn Norvelle Schlie, A.B., Olivet Nazarene College, 1957

Degree of Master of Science
In Advertising
William Val Behrmann, B.A., Michigan State University, 1965
Dennis George Cook, B.S., 1967
Jose Dionisio Flores, Jr., Litt.B., University of Santo Tomas, 1966
Donald Wayne Jugenheimer, B.S., 1965
Joseph Francis Palka, B.S., 1967
John Francis Woods, B.S., 1966
Carlos Lawrence Zellner, A.B.J., University of Georgia, 1966

In Aeronautical and Astronautical Engineering
Clark Wesley Bullard III, B.S., 1966
John Hsu, B.S., 1965

In Agricultural Economics
Howard Ray Peverly, B.S., 1966

In Agricultural Education
Earl Bell Russell, B.S., University of Tennessee, 1966

In Agricultural Engineering
Thomas Wayne Hosler, B.S.Ag.Eng., Purdue University, 1966
Lyle Eugene Stephens, B.S., 1966

In Agronomy
Steven Ray Winter, B.S., 1966

In Animal Science
Michael Mureen Gehring, B.S., 1966
Thomas Joseph Hanrahan, B.Ag.Sc., University College (Dublin), 1964
Dan Edward Hose, B.S., 1966
Frederick Melvin Mohr, B.S., 1966

In Architectural Engineering
Gerald Allen Brin, B.Arch., 1966
Chung-Shong Chuang, B.Arch., Ohio State University, 1966
RICHARD EUGENE JAMROZY, B.Arch., 1966
DARL EINER LANGFOSS, B.Arch., 1966
BYONG YONG PARK, B.Sc.Arch., Seoul National University, 1952
ROBERT JOSEPH PERO, B.Arch., 1966
HARRY MARIAM STITLE III, B.Arch., 1966

In Astronomy
JULIE HAYNES LUTZ, A.B., San Diego State College, 1965

In Biophysics
ROBERT EUGENE DYAR, B.S., Eureka College, 1966

In Botany
LAWRENCE FLORIEN KAMIN, B.A., St. Ambrose College, 1966

In Ceramic Engineering
ROBERT JOHN EAGAN, B.S., Alfred University, 1966

In Chemical Engineering
LUTHER DAVIS CLEMENTS, Jr., B.S., Oklahoma State University, 1966
RICHARD ALLEN GRIEGER, B.S.E., University of Michigan, 1965
ALAN EDWARD LEVITON, B.S.Ch.E., Purdue University, 1965
GARY DEAN SUMP, B.S., Oregon State University, 1965

In Chemistry
ROBERT JOSEPH BASALAY, B.S., Illinois Institute of Technology, 1965
JANET WARNER BOYS, B.S., 1966
MING-CHU HSU, B.S., National Taiwan University, 1966
SMIH LO HSU, B.S., Taiwan Provincial Cheng Kung University, 1964
STEVEN MARAIS HUNTOON, B.S., Iowa State University of Science and Technology, 1965
DONALD EARL KOELTZOW, B.S.Chem., New Mexico Institute of Mining and Technology, 1966
CHARLES RONALD KUTAL, A.B., Knox College, 1965
TING-I LI, B.S., National Taiwan University, 1965
WAYNE THOMAS SHIER, B.S., University of Waterloo, 1966
DAVID ALEXANDER SIMPSON, B.S., Allegheny College, 1965
OOK SONG, B.S., Seoul National University, 1965
RANDOLPH LIEN-CHIN TSAI, B.S., National Taiwan University, 1964

In Civil Engineering
CLYDE LYSURCUS ANDERSON, B.S., University of California (Los Angeles), 1966
PAUL EDWIN ANDERSON, B.S., 1967
NORMAN EUGENE BOYS, B.S., 1967
BRIAN JOE BRODER, B.S., 1966
GILBERT CHARLES BRUNHOEFFER, B.S., United States Military Academy, 1966
MICHAEL BRENDAN BUCKLEY, B.E., B.E., National University of Ireland, 1957, 1959
JOE DAVIS CAMPBELL, B.S., 1965
SANTIAGO CORREA-LAVERDE, Ingeniero Civil, Universidad Javeriana (Bogota), 1964
THOMAS McCULLOUGH DAVIS, B.S., Drexel Institute of Technology, 1966
ARTHUR CURT EBENHARDT, B.Arch.Eng., Iowa State University of Science and Technology, 1966
AUGUSTO ESPINOSA SILVA, Ingeniero, National University of Colombia, 1966
HOWARD FLUG, B.Eng., Cooper Union, 1966
ALBERT JOSEPH GENETTI, Jr., B.S., United States Military Academy, 1963
CARL EDWIN HALE, B.S., 1967
DAVID MICHAEL HENDRON, B.S.C.E., University of Kentucky, 1966
ROBERT PETER KASSAWARA, B.S., Polytechnic Institute of Brooklyn, 1966
ABOLCHASSEM KERAMATI, Fogh License, Tehran Polytechnic Institute, 1965
MOHAMMAD AZIZ KHAZ, B.E., Karachi University, 1963
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Institution</th>
<th>Year</th>
</tr>
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<tbody>
<tr>
<td>Winston Eddie Kile</td>
<td>B.S.C.E.</td>
<td>Louisiana State University</td>
<td>1966</td>
</tr>
<tr>
<td>William Arnold Krueger</td>
<td>B.S.</td>
<td>University of Missouri (Rolla)</td>
<td>1959</td>
</tr>
<tr>
<td>Tzu-Jung Kuo</td>
<td>B.S.</td>
<td></td>
<td>1966</td>
</tr>
<tr>
<td>David Lanning</td>
<td>B.Eng.</td>
<td>University of Sheffield</td>
<td>1960</td>
</tr>
<tr>
<td>Thomas Leon Martin</td>
<td>B.S.</td>
<td></td>
<td>1967</td>
</tr>
<tr>
<td>William John McCutcheon</td>
<td>B.Eng.</td>
<td>Cooper Union</td>
<td>1966</td>
</tr>
<tr>
<td>Donald Fred Meinheit</td>
<td>B.S.C.E.</td>
<td>Purdue University</td>
<td>1966</td>
</tr>
<tr>
<td>Robert Adam Miller</td>
<td>B.S.</td>
<td>Pennsylvania State University</td>
<td>1963</td>
</tr>
<tr>
<td>Walter Hugh Miller</td>
<td>B.S., B.S.</td>
<td></td>
<td>1947, 1948</td>
</tr>
<tr>
<td>Feroz Mohammedali Nathani</td>
<td>B.Eng.</td>
<td>Osmania University</td>
<td>1965</td>
</tr>
<tr>
<td>Keith Herbert Nicolai</td>
<td>B.S.</td>
<td></td>
<td>1965</td>
</tr>
<tr>
<td>Carmelo Augusto Rodriguez</td>
<td>Ing.Civ.</td>
<td>University of Santo Domingo</td>
<td>1956</td>
</tr>
<tr>
<td>Juan Jose Salinas Pacheco</td>
<td>Ing.Civ.</td>
<td>Instituto Tecnologico de Monterrey</td>
<td>1965</td>
</tr>
<tr>
<td>Danny Lee Schroederer</td>
<td>B.S.</td>
<td></td>
<td>1966</td>
</tr>
<tr>
<td>Douglas John Seagren</td>
<td>B.S.</td>
<td></td>
<td>1967</td>
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<tr>
<td>Cesario Augusto Vezza Taborda</td>
<td>Ing.Civ.</td>
<td>University of Zulia</td>
<td>1962</td>
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<tr>
<td>Herbert Hynok Tsang</td>
<td>B.A.</td>
<td>University of Washington</td>
<td>1965</td>
</tr>
<tr>
<td>Dennis Robert Hersbach</td>
<td>A.B.</td>
<td>San Jose State College</td>
<td>1960</td>
</tr>
<tr>
<td>Simon Babin</td>
<td>B.Engr.</td>
<td>Pratt Institute</td>
<td>1966</td>
</tr>
<tr>
<td>David Lee Bates</td>
<td>B.S.</td>
<td></td>
<td>1966</td>
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<tr>
<td>Yasar Nabi Bayazit</td>
<td>B.S.</td>
<td></td>
<td>1966</td>
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<tr>
<td>William Henry Block</td>
<td>B.S.</td>
<td></td>
<td>1967</td>
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<tr>
<td>John Olsen Bose</td>
<td>B.S.</td>
<td>Agricultural and Mechanical College of Texas</td>
<td>1966</td>
</tr>
<tr>
<td>Robert Danner Burnham</td>
<td>B.S.</td>
<td></td>
<td>1966</td>
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<tr>
<td>Hrard Sarkis Cabayan</td>
<td>B.Engr.</td>
<td>American University of Beirut</td>
<td>1966</td>
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<tr>
<td>Kenneth Edward Daggett</td>
<td>B.S.</td>
<td>Arizona State University</td>
<td>1967</td>
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<tr>
<td>Harshad Bhansuprasad Dave</td>
<td>B.E.</td>
<td>Gujarat University</td>
<td>1965</td>
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<tr>
<td>William Daniel Downing</td>
<td>B.S.</td>
<td>Milwaukee School of Engineering</td>
<td>1963</td>
</tr>
<tr>
<td>Norman Irving Ginsburg</td>
<td>B.S.</td>
<td>Worcester Polytechnic Institute</td>
<td>1961</td>
</tr>
<tr>
<td>Robert Earl Griswold</td>
<td>B.S.</td>
<td></td>
<td>1964</td>
</tr>
<tr>
<td>James Edward Hall</td>
<td>B.S.</td>
<td>Grove City College</td>
<td>1965</td>
</tr>
<tr>
<td>Larry Ray Horsman</td>
<td>B.S.E.E., B.S.B.A.</td>
<td>Louisiana Polytechnic Institute</td>
<td>1966, 1966</td>
</tr>
<tr>
<td>Donald Ray Jeanblanc</td>
<td>B.S.</td>
<td></td>
<td>1966</td>
</tr>
<tr>
<td>Stephen Louis Kowalewski</td>
<td>B.A.</td>
<td>Sacramento State College</td>
<td>1964</td>
</tr>
<tr>
<td>Paul Albert Miller</td>
<td>B.S.</td>
<td></td>
<td>1967</td>
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<tr>
<td>Kazuo Seino</td>
<td>B.Eng.</td>
<td>Tokyo Metropolitan University</td>
<td>1960</td>
</tr>
<tr>
<td>Edward Herman Streddie</td>
<td>B.S.</td>
<td></td>
<td>1966</td>
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<tr>
<td>Ronald Lee White</td>
<td>B.S.E.E.,</td>
<td>Purdue University</td>
<td>1961</td>
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<tr>
<td>James Francis Janicke</td>
<td>B.S.</td>
<td>Roosevelt University</td>
<td>1965</td>
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<tr>
<td>Keith Alan Keyt</td>
<td>B.S.</td>
<td>Oregon State University</td>
<td>1966</td>
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<tr>
<td>Gerald LeRoy Nordin</td>
<td>B.S.</td>
<td></td>
<td>1966</td>
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<tr>
<td>Stephen John Parshall</td>
<td>B.S.</td>
<td>Roosevelt University</td>
<td>1965</td>
</tr>
<tr>
<td>Melvin Armando Marini</td>
<td>B.S., B.S.</td>
<td></td>
<td>1964, 1965</td>
</tr>
<tr>
<td>Dale Dewitt Tucker</td>
<td>B.S.</td>
<td></td>
<td>1963</td>
</tr>
</tbody>
</table>

In Dairy Science

In Economics

In Education

In Electrical Engineering

In Entomology

In Finance

In Forestry
UNIVERSITY OF ILLINOIS

In Geography
Seth Ward, Jr., B.A., Norwich University, 1951

In Geology
David William Allman, B.Sc., McMaster University, 1964
Richard Francis Inden, B.S., University of Wisconsin, 1965
Eleanor Walton Merritt, A.B., Earlham College, 1962
Rauf Piskin, Dipl., Istanbul University, 1958

In Home Economics
Gertrud Götz, B.S., 1966
Willie Jean Malone, B.S., Tuskegee Institute, 1962
Mary Elizabeth McDonald, B.A., Culver-Stockton College, 1965
Loronna Ruth Ludwig Sawin, B.S., Iowa State University, 1966
Louellen West, B.S., Harding College, 1966

In Industrial Engineering
Nagar Venkatraman Srinivasan, B.E., Birla Institute of Technology & Science, 1964

In Journalism
Wayne Jay Andrews, B.S., Butler University, 1966
Douglas Charlees Balz, B.S., 1966
Lawrence Kenneth Beaufre, B.S., 1966
Richard John Carlson, B.S., 1965
John Emmett Grady, B.S., 1966
Shi-yong Khim, B.P.A., Korea University, 1963

In Library Science
Wilma Cecilia Bangiolo, B.S., Eastern Illinois University, 1961; M.S., 1967
Carol Bates, B.A., East Texas State College, 1965
Samuel Adams Betty, B.S., Spring Hill College, 1966
Helen Lee Peeler Clements, B.A., Oklahoma State University, 1966
Bonita Jean Dickinson, A.B., St. Louis University, 1966
Rosemary Fitzpatrick, B.A., Parsons College, 1966
Cecilia Kennedy Gaines, B.A., Marycrest College, 1962
Margaret Phillips Gillespie, B.S., 1927
Mary Jo Andrews Gray, B.S., Loyola University (Illinois), 1965
William James Hill, Jr., B.S., Eastern Illinois University, 1962
William Dale Lindgren, A.B., A.M., Bradley University, 1959, 1960
Mary Katherine Lowry, B.A., Southern Illinois University, 1965
James Nelson Myers, Jr., B.A., Canisius College, 1963
Marlyn Sue Myers, B.A., Kansas State University, 1966
Marion Margaret Taylor Reid, B.S., 1966
Thomas Martin Ruh, A.B., University of Kentucky, 1958
Frederick William Ryan, A.B., University of California (Riverside), 1963
Frances E. Scheidel, A.B., 1966
Ellen Steininger, B.S., Thiel College, 1966

In Management
Ahmed Abdel-Fattah Abdel-Halim, B.Com., Cairo University, 1961
Kenneth Anthony Julian, B.S., 1967
Roger John Longo, B.S., New York University, 1963

In Marketing
Joseph Anthony Caruso, A.B., St. Mary's College, 1964
Paul Ernest Geddies, B.S., 1964
Paul Richard Winn, B.S., 1966

In Mathematics
Kenneth Frank Arnold, B.S., 1966
Patrick David Cassady, B.S., Stanford University, 1966
John Michael Geist, B.S., Bradley University, 1966
WILLIAM LOUIS MROZEK, A.B., University of Michigan, 1966
ONKAR NATH PANDIT, B.A., University of Jammu and Kashmir, 1954; M.A., University of Delhi, 1957
STEVEN JAMES PERLMUTTER, B.S., University of Michigan, 1966
AHMED RAMZY MOSTAFA SOUROUR, B.S., Cairo University, 1964
FRED ALAN STAHL, B.S., 1966
RAMANI VASUDEVAN, M.S., University of Delhi, 1962
GOPALAKRISHNAN VIJAYALAKSHMI, B.Sc., M.Sc., University of Poona, 1962, 1964
JONATHAN LANGWICK WILKIN, B.S., 1966
WILLIAM LAURENCE YOUNG, B.S.Eng.Sci., Purdue University, 1963
KENNETH ROBERT CARLSON, B.S., Milwaukee School of Engineering, 1960
VISHWAS VISHWANATH DEVAL, B.E., University of Poona, 1966
PHILLIP HARRIS PISHER, B.S., 1966
ALAN HARMON HALLOCK, B.S.M.E., University of Toledo, 1962
ROBERT POLLAK HECHT, B.S., 1956
PEDRO LEE KONG, B.S., Mapua Institute of Technology, 1965
ARNOLD RUBEN NESS, B.S., 1966

In Mechanical Engineering
KENNETH ROBERT CARLSON, B.S., Milwaukee School of Engineering, 1960
VISHWAS VISHWANATH DEVAL, B.E., University of Poona, 1966
PHILLIP HARRIS PISHER, B.S., 1966
ALAN HARMON HALLOCK, B.S.M.E., University of Toledo, 1962
ROBERT POLLAK HECHT, B.S., 1956
PEDRO LEE KONG, B.S., Mapua Institute of Technology, 1965
ARNOLD RUBEN NESS, B.S., 1966

In Metallurgical Engineering
ALVIN PHILLIP Gerk, B.S., 1965
WILLIAM FRANK JANDESKA, Jr., B.S., 1967
GREGORY FRANCIS PASKIET, B.S., 1966

In Microbiology
PERRY SCOTT BINDER, B.S., 1964
JANET WEISS ECKERLING, B.A., Northwestern University, 1966
PAMELA JEAN FRAKER, B.S., Purdue University, 1966
ROBERT ELMER Kno, B.S., Muhlenberg College, 1964

In Mining Engineering
ANN CAROLINE BOCKES, B.S., Ithaca College, 1966
JAMES ANSON DeSHONG III, B.Mus.Ed., Millikin University, 1967
GLENDA ANN HEWLETT, B.S., 1965
JOHN LESLIE JOHNSTON, Jr., B.S.Ed., Illinois State University, 1964
ERNEST FRANKLIN RAGER, B.M., North Texas State University, 1963
GIORGIO RANALLI, Dott.Scienze Geologiche, University of Rome, 1963
ELAINE LOUISE STEVENSON, B.M., Muskingum College, 1966

In Nuclear Engineering
JOEL LEE GOODMAN, B.S., Cornell University, 1966
GARY RICHARD THAYER, B.S., University of Nebraska, 1966

In Physical Education
JAMES HUNTER DUTHIE, Dipl., Loughborough Training College, 1947; Dipl., University of Birmingham, 1950
PAUL ARTHUR JENSEN, B.A., Evansville College, 1965
FRANCIS WILSON KEENAN, B.A., San Jose State College, 1965
JOHN GREG SMITH, B.A., San Fernando Valley State College, 1966

In Physics
CHARLES EUGENE BOUCHER, B.S., University of Louisville, 1961
BRUCE STILLWELL BROWN, B.A., Miami University, 1966
KAI-YUAN CHUNG, B.S., National Taiwan University, 1961
JOHN STUART ESCHER, B.S., 1964
MARTIN VINCENT FERER, B.S., University of Detroit, 1966
ROBERT FRANCIS GRANDYS, B.S., 1966
STANLEY TANNER JONES, B.S., Stanford University, 1966
STEPHEN HOWARD KOEPPEN, B.S., University of Wisconsin, 1966
JAMES ARTHUR KRABEC, B.S., 1966
RICHARD LEE KUSPER, S.B.(Physics), S.B.(Mathematics), Massachusetts Institute of Technology, 1966, 1966
ROBERT HENRY LACOMBE, B.A., Clark University, 1966

In Chemistry
WILLIAM NATHAN MROZEK, A.B., University of Michigan, 1966
EARL RAY LEMAR, B.S., 1966
JOHN SCOTT LOOMIS, B.S., Case Institute of Technology, 1966
WILLIAM RINGLAND MONINGER II, B.A., Colorado College, 1966
ALBERT GALLATIN MONTGOMERY, B.S., University of Florida, 1964
CHARLES NICHOLS ORTON, B.S., Western Illinois University, 1966
JAMES CARLTON PORTER, JR., B.S., University of Texas, 1966
JEFFREY REST, B.S., 1966
CHARLES EDWARD RIESE, B.S., University of Texas, 1966
JULIAN GARY ROSENMAN, B.S., Kent State University, 1966
PHILLIP NEIL SHEPHERD, B.S., 1966
DAVID WILLIAM STOWE, B.S., University of Wisconsin, 1966
KENNETH DICK TERLEP, B.S., 1967

In Physiology
JOSEPH LOUIS JORDAN, B.S., Albany State College, 1966
ANN KNABB SNYDER, B.S., Pennsylvania State University, 1965

In Plant Pathology
MARGARET JOAN MISCH, B.S., 1965
GEOBE ROBERT SAFIR, B.S., Bates College, 1965
ROBERT JOHN SLATTERY, B.S., University of Wisconsin, 1966

In Psychology
NATHAN KEIJI HARIMOTO, B.S., 1966
HOWARD MCGUIRE, JR., B.S., 1966

In Radio and Television
YVONNE HERRING CALLAHAN, B.A., University of New Mexico, 1959

In Recreation
ANTHONY WAYNE ALFIERI, B.S., University of Florida, 1966
SUSAN LANHAM CAMPBELL, B.S., 1965
DOROTHY ELIZABETH OWENS, B.S., Lincoln University, 1941; M.A., Fisk University, 1944
THOMAS ROBERT WALLIN, B.S., Southern Illinois University, 1965

In the Teaching of Biological Sciences and General Science
BARBARA ANNE BAILEY, B.S., University of Arkansas School of Medicine, 1966
MELVIN EUGENE EHRHARDT, B.S., 1964
SUE MARY HULSEN, B.A., Augustana College, 1966
NANCY JO MACFARLAND PECK, B.A., Hartwick College, 1965

In the Teaching of Geography
ANTHONY LAWRENCE REDENTE, B.S., Southern Connecticut State College, 1965

In the Teaching of Mathematics
JOHN CLIFFORD ANDERSON, B.A., North Park College, 1962
LAVENNE WALLACE BURNHAM, B.S., 1965

In Theoretical and Applied Mechanics
THOMAS REGINALD BRANCA, B.S., 1966
WILLIE JAMES CARTER, B.S., Southern University, 1961
HENRY RICHARD FELLMAN, B.S., Valparaiso University, 1966
DAN JAY NAUS, B.S., 1966
GERALD GENE TRANTINA, B.S., University of Missouri (Rolla), 1966

In Veterinary Medical Science
LJUBOMIR MILIN, Dipl., D.V.S., University of Belgrade, 1942, 1949
GORDON DAVID PAINE, M.R.C.V.S., Royal Veterinary College (London), 1950; D.T.V.M., University of Edinburgh, 1959

In Zoology
CHARLES ROBERT BLEM, B.S., Ohio University, 1965
FREDERICK WILLIAM BURLAY, A.B. Stanford University, 1963
PAUL ALLEN FISHMAN, B.S., 1965
HENRY CARLETON NILSEN, B.A., Winona State College, 1964
WILLIAM BLOCHER RHOTEN, B.S., Colorado State University, 1965
RICHARD DENNIS ST. JOHN, B.S., University of Toronto, 1965
FRANK RAY VOORHEES, B.S., University of Florida, 1958

Degree of Master of Music
JAMES VERNON FLETCHER, B.S.M., Illinois Wesleyan University, 1959
VIRGINIA ELIZABETH HOMMEL GABUTO, A.B., B.Mus., 1960, 1963
NANCY COOPER KREDEL, B.Mus., University of North Carolina (Greensboro), 1965
WARD FRANKLIN MOWERY, B.S., Ohio State University, 1962
CORA WINGERD SCHOLZ, B.A., St. Olaf College, 1961
JAMES WALTER SIBER, B.Mus.Ed., East Texas State College, 1964

Degree of Master of Education
RICHARD RAYMOND ADLER, B.S., Montana State University, 1957
WAYNE STANLEY AMBROSE, B.S., 1963
MARY SAMMONS BALESTRI, B.S., 1958
EDITH WAGNER BAUER, B.S., 1943
HARRIETTE RHAWN BEHRINGER, B.S., Northwestern University, 1947
CHARLENE FORKNALL BERSSY, B.A., Northern Illinois University, 1964
THOMAS JAMES BLIGH, B.A., St. John’s University, 1966
CHARLES LINDBERGH BOHANNON, A.B., San Diego State College, 1950
BONNIE REED BOLLMAN, B.S., Greenville College, 1957
JOHN RICHARD BURKEL, B.S., Indiana University, 1962
JAMES F. CHRISTO, B.S., Massachusetts State College (Fitchburg), 1963
GORDON WILLIAM DENTY, A.B., 1965
SALLY SARAH ELIZABETH KAGY DILLER, A.B., Oberlin College, 1955
JAMES LYSTON EVERETTS, B.A., Principia College, 1966
LEON ANDREW FAHLING, B.S., Western Michigan University, 1954
RONALD ROGER FEARN, B.S., 1965
ANN DELTON FOSTER, A.B., Whitman College, 1959
KURT PAUL FROEBEL, B.S., 1966
DALE WOOD GILBERT, B.S., University of Wyoming, 1961
MARGARETT GOOSBY GOODHART, B.S., Troy State College (Alabama), 1958
SHARON ANN MARIE GOTCH, B.S., 1965
JUDY LYNN GRAY, B.S., 1966
MERYL BROWN GRIGGS, B.A., Pennsylvania State College, 1948
ALVIN SCOTT GRIGGS, B.S., Agricultural, Mechanical and Normal College (Arkansas), 1965
THOMAS KEITH GRIMM, B.S., 1966
DOROTHY LOUISE HALL, A.B., Greenville College, 1960
SUSAN PAULSON HAMILTON, B.S., Gettysburg College, 1964
FLORENCE MILLER HANKINSON, B.S., 1965
JUDITH ANN HENDERSHOT, A.B., MacMurray College, 1963
DENNIS VOGEL HOFFMAN, B.S., 1966
F. JO HOPKINS, B.A., University of Wyoming, 1959
JOHN FRANCIS HUCK, B.S., 1959
RICHARD EMMANUEL HULT, JR., A.B., 1966
URAIWAN INSEE, B.Ed., College of Education (Thailand), 1961
JOSELITO BERNARDO JARA, B.S.Ed., University of the Philippines, 1959
KUSSOTT OTIS KIRKHAM, B.S., 1947
LINDA DAVIDSON KOPECKY, A.B., 1965
LINDA JONSON LAKNER, A.B., Northern Illinois University, 1963
TERRANCE JOSEPH MALCOLM, B.S., University of Idaho, 1966
MARGARET BRADLEY MAYNARD, A.B., Vassar College, 1941
JOHN DAVID McGINNIS, B.Ed., Illinois State University, 1942
SHERIE JOAN HITCHCOCK McKENNA, B.A., Indiana University, 1966
GEORGE RICHARD MOHR, B.S., Illinois State University, 1961
LAWRENCE JOSEPH MUDRON, B.S., Northern Illinois University, 1964
MARIBELLE MURRAY, B.A., Ohio State University, 1965
CLAUDIA FETZNER NELSON, B.S., Northern Illinois University, 1958
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Year</th>
</tr>
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<tbody>
<tr>
<td>Marjorie Oathout Orr</td>
<td>University of Illinois</td>
<td>1954</td>
</tr>
<tr>
<td>Patricia Dell Papeles</td>
<td>Harris Teachers College</td>
<td>1963</td>
</tr>
<tr>
<td>Gerald Allan Ray</td>
<td>State College of Iowa</td>
<td>1961</td>
</tr>
<tr>
<td>Margaret Causey Rinkel</td>
<td>Greenville College</td>
<td>1950</td>
</tr>
<tr>
<td>John Martin Roth</td>
<td></td>
<td>1959</td>
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<tr>
<td>Lawrence James Sak</td>
<td>St. Procopius College</td>
<td>1964</td>
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<tr>
<td>William John Scannell</td>
<td></td>
<td>1962</td>
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<tr>
<td>Donald Gregory Scherrer</td>
<td></td>
<td>1965</td>
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<tr>
<td>Karen Ann Schmidt</td>
<td>Alverno College</td>
<td>1965</td>
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<tr>
<td>William Jerry Schneider</td>
<td>Shurtleff College</td>
<td>1953</td>
</tr>
<tr>
<td>Delilah Perkinson Sider</td>
<td>East Texas State College</td>
<td>1965</td>
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<tr>
<td>Sister Mary Martha Brinkschroeder</td>
<td>St. Ambrose College</td>
<td>1962</td>
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<tr>
<td>Sister Thomas More Fitzgerald</td>
<td>St. Ambrose College</td>
<td>1962</td>
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<tr>
<td>Sister Mary Dominc Joerger</td>
<td>DePaul University</td>
<td>1959</td>
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<tr>
<td>Darrell Ralph Smith</td>
<td>Shurtleff College</td>
<td>1957</td>
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<tr>
<td>Betty Adams Stevenson</td>
<td>Western Illinois University</td>
<td>1961</td>
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<tr>
<td>Patricia Donatt Stoll</td>
<td>Blackburn College</td>
<td>1965</td>
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<tr>
<td>Donald Edwin Struck</td>
<td>Western Illinois University</td>
<td>1960</td>
</tr>
<tr>
<td>Antonio Sulikowski</td>
<td>Municipal University of Omaha</td>
<td>1966</td>
</tr>
<tr>
<td>Darwin Pete Swanson</td>
<td></td>
<td>1965</td>
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<tr>
<td>Charles Franklin Swearingen</td>
<td></td>
<td>1954</td>
</tr>
<tr>
<td>Phyllis Jean Jenkins Tate</td>
<td>Southern Illinois University</td>
<td>1954</td>
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<tr>
<td>Sally Joan Tennison</td>
<td>Hamline University</td>
<td>1966</td>
</tr>
<tr>
<td>Janet Marilyn Tolson</td>
<td>Augustana College</td>
<td>1963</td>
</tr>
<tr>
<td>Phyllis Ceper Tomory</td>
<td>A.B.</td>
<td>1966</td>
</tr>
<tr>
<td>James Holli Toynton</td>
<td>Wisconsin State College (La Crosse)</td>
<td>1960</td>
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<tr>
<td>Joanna Elisabeth Cherry Ulmer</td>
<td>Mus.B., Oberlin College</td>
<td>1962</td>
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<tr>
<td>Susan Richardson Vogt</td>
<td>Bradley University</td>
<td>1964</td>
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<tr>
<td>Louise Merrill Warren</td>
<td>Southern Illinois University</td>
<td>1963</td>
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<tr>
<td>Marilyn Lea Weinard</td>
<td>Eastern Illinois University</td>
<td>1964</td>
</tr>
<tr>
<td>Bobby Leroy Whittington</td>
<td>B.S.</td>
<td>1958</td>
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<tr>
<td>Jack Lee Wiggins</td>
<td>B.S., Southern Illinois University</td>
<td>1961</td>
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<tr>
<td>Susan Louise Wilken</td>
<td>B.S.</td>
<td>1964</td>
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<tr>
<td>Margaret Mulcahy Woerner</td>
<td>B.S.Ed., University of New Mexico</td>
<td>1964</td>
</tr>
<tr>
<td>Ghulam Jailani Yaptali</td>
<td>B.Sc., Kabul University</td>
<td>1963</td>
</tr>
</tbody>
</table>

**Degree of Master of Architecture**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Year</th>
</tr>
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<tbody>
<tr>
<td>Charles Anthony Albaneese</td>
<td>B.Arch.</td>
<td>1965</td>
</tr>
<tr>
<td>Anthony John Goodard</td>
<td>Dipl., Leicester College of Art and Design</td>
<td>1965</td>
</tr>
<tr>
<td>Bruce Lyman Hutchings</td>
<td>B.Arch., University of Nebraska</td>
<td>1961</td>
</tr>
<tr>
<td>Allen Wayne Johnson</td>
<td>B.Arch.,</td>
<td>1966</td>
</tr>
<tr>
<td>Tsuto Kimura</td>
<td>B.E., Waseda University, 1958</td>
<td></td>
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<tr>
<td>Peter Kenny Smith</td>
<td>B.Arch.,</td>
<td>1966</td>
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**Degree of Master of Accounting Science**

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<tr>
<th>Name</th>
<th>Institution</th>
<th>Year</th>
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<tbody>
<tr>
<td>Susan Su-yung Chen</td>
<td>National Taiwan University</td>
<td>1963</td>
</tr>
<tr>
<td>Thomas Francis Crowley</td>
<td>St. Joseph's College</td>
<td>1966</td>
</tr>
<tr>
<td>Michael Francis Foran</td>
<td>University of Arizona</td>
<td>1967</td>
</tr>
<tr>
<td>Steven Park Haver</td>
<td>Northern Arizona University</td>
<td>1967</td>
</tr>
<tr>
<td>Stephen Francis Jablonsky</td>
<td>B.S.</td>
<td>1967</td>
</tr>
<tr>
<td>Ke Miura</td>
<td>Central Missouri State College</td>
<td>1956</td>
</tr>
<tr>
<td>James Henry Rutz</td>
<td>B.S., Lewis College</td>
<td>1966</td>
</tr>
<tr>
<td>Paul George Sotos</td>
<td>B.S.</td>
<td>1967</td>
</tr>
<tr>
<td>Michael Lewis Underwood</td>
<td>B.S.</td>
<td>1966</td>
</tr>
<tr>
<td>James Gordon Watson</td>
<td>B.S.</td>
<td>1967</td>
</tr>
<tr>
<td>Roger Edward Wesley</td>
<td>B.S.</td>
<td>1967</td>
</tr>
<tr>
<td>Robert Steven Winnett</td>
<td>B.S., Eastern Illinois University</td>
<td>1957</td>
</tr>
</tbody>
</table>

**Degree of Master of Business Administration**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Richard Peter Amundsen</td>
<td>B.Arch.,</td>
<td>1966</td>
</tr>
<tr>
<td>Daniel Joseph Beaton</td>
<td>B.S., University of Wisconsin</td>
<td>1962</td>
</tr>
<tr>
<td>Barry Ronald Glaser</td>
<td>A.B.</td>
<td>1965</td>
</tr>
</tbody>
</table>
James John Gruenholz, B.S., 1964
Ivan Clifford Johnson, Jr., B.S., 1966
George Douglas Keller, B.S., Millikin University, 1966
Daniel Charles Lee, B.S., 1966
Sheeldon James Proctor, B.S., 1965
Dennis Alan Rathje, B.S., 1966
Mark James Richards, B.S., 1963
Kenneth Roth Silvers, A.B., 1965
Howard Henry Wiese, B.S., 1966

Degree of Master of Commerce
Dennis Richard Swanson, B.A., Cornell College, 1965

Degree of Master of Landscape Architecture
Phillip Eugene Deturk, B.F.A., 1961
Carl Frederick Gerlach, B.S., Michigan State University, 1963

Degree of Master of Urban Planning
Franklyn Harry Beal, B.S., Antioch College, 1962
Gaetan Alfred Cajazzo, B.L.A., University of Florida, 1964
James Francis McLaughlin, B.U.P., 1967
Gareth Brynmor Thomas, Prof. Assoc., Royal Institution of Chartered Surveyors, 1960

Advanced Certificate
In Education
Aaron Grover Gray, B.S., Eastern Illinois University, 1951; M.S., 1957
May Weifenhe Huang, B.Ed., Taiwan Normal University, 1963; M.Sc., University of Massachusetts, 1966
Catherine Gibson Le Duc, B.S., South Dakota State University, 1963; Ed.M., 1967

Certificate of Advanced Study in Librarianship
Edith Johnston Fraser, B.A., University of Arizona, 1940; M.S., Florida State University, 1962

COLLEGE OF AGRICULTURE
Degree of Bachelor of Science
In Agriculture

Roger William Behrends
Stephen Franklin Black
Forrest John Brewer
Jacob George Chambers
George Robert Cobb
David Warren Drake
Deon Lee Flessner
Michael Ralph Griesbaum
Gary David Harper
James Richard Herm
Max Leslie Heeshbarger, Honors
Donald William Huisinga
Donald Joseph Huschle
Don Chester Kaiser
Carol Bankson Keiser
Charles Edward Keller
George Timothy Keller
Karl Reed Kessler, Honors

Larry Lee Krusemark, Honors
Charles William Libbury
James Stephen Ludwig
James Daniel Mathein
Donald Lester Merkle
William Tracy Mowery
Joseph Kiragu Muiuru
Dennis Lynn Mummeur
Robert Edwin Piolote
Ronald Eugene Scherer
Ralph Arnold Schobert
Keith Duane Sheppelman
Larry Ray Shonkwiler, High Honors
David Rex Smith
John David Smith
Melvin Dean Stoller, High Honors
Robert Jacob Swierenga, High Honors
George Jacob Young, Honors
In Floriculture and Ornamental Horticulture

RONALD LLOYD BRADY
DALE JOSEPH KOTNOUR

WILLIAM CHARLES TORSBERG

In Food Science

FREDERIC JAMES BERNs

JAMES QUENTIN GRANT

In Forestry

RICHARD JOSEPH BERNARD, JR.
STEVEN ARTHUR BLAUART
JOHN MICHAEL BORENS, JR.
TIM ARTHUR COOLEY
MARSHALL HERBERT ENGLAND II

CARL WILLIAM LITTLE
PAUL RICHARD MONKE
DAVID SMITH RANDOLPH
DAVID CLARK WHITE, Honors
MARK SHELTON WILSON

In Home Economics

SARA-RENE BARCLAY
WILLA MCCANNON BRETHHAUER
JUDITH THOMPSON CARON
SANDRA MARIE CORDING
BARBARA HUCKER GROSS
EMILY BOUJILLETTE HANG
CONSTANCE ANNE HARRISON, Honors
LU ANN HARTNETT
MARILYN SUE HAYS

JOYCE SUZANNE HULVEY
JOYCE LOUISE MILLER
MARTHA STAHL ROBERTS
SUE ANNE KOESCHELEN
JULIE SWEDBERG SEAGREN
ROSILYN MARIAM SMITH
CHERYL JEAN THOMPSON
MARILYN JOYCE WHEELER

In Home Economics Education

SUE ANN EHRHART
PHYLLIS JEAN HEPLER
PATRICIA ANN JOHNSTON, Honors

JUDITH KAYE MARTIN
KAREN LOUISE NESLER
JANET ANN BUGG WEBEL

COLLEGE OF ENGINEERING

Degree of Bachelor of Science

In Aeronautical and Astronautical Engineering

ANDREW ANTHONY ADAMCZYK
PETE& BISHARA AYYOUB
SVENN EDWIN BORGERSEN
WILLIAM ROGER BRADSHAW
STEPHEN SAMUEL DAVIS
CRAIG NORTON DUTTON
JOHN CLIFFORD GOUGH
GERALD EDWARD GROTTH
BRUCE PHILLIP HORNE
ALLEN MITCHEL ICE
GAROLD STANLEY KEITHLEY
STEPHEN RUSSELL KISSICK, High Honors
WAYNE WALTER LAURSEN

JOSEPH JOHN MATT
ROBERT JOHN MIGHT
RICHARD JAY MURPHY
LAWRENCE JOSEPH ORESKY
RONALD PAPE
EUGENE JOHN PELKA
MAX PROLA, Honors
Milorad Radosavljevic
ROBERT BRUCE RICHARDS
ROBERT MICHAEL STACHO
JOHN ROGER WEBER
CHARLES STUART WESTMAN
GEORGE EMIL WOJTKO

In Agricultural Engineering

ROBERT ELDON ADAMS, Honors
ROBERT LOUIS BRANDNER
ALONZO HENTON COCHRAN
DONALD DOUGLAS HARFORD

GREGORY WAYNE HEINZ
DAVID JAY HOPKINS
GORDON LEE SALLEY
ROBERT JOHN SUTTER, Honors

In Ceramic Engineering

DAVID LEE ALLEN
PAUL FRANCIS GUTTMANN
DAVID LEE HAMBLEY

DENNIS LEE MOOL, High Honors
SCOT WALTER TAYLOR
In Civil Engineering

James Edwin Ahlberg
Bruce Arthur Babcock
Terrence James Ballowe
George Alan Conway
Donald LeRoy Curran
Kenneth John DeHaan
Luis Carlos Diaz
Bruce Russell Ellingwood
Robert Joseph Endecavgeh
Joseph Anthony Figueroa
William Roland Gain
Alan Lee Gilbranson
Anthony George Girolami, High Honors
Richard Glenn Gossett
Alva Aaron Hall
James Ornsby Hamilton
Thomas Francis Hintz, Highest Honors
Peter Robert Homan, High Honors
Gordon Alan Hultmark
Stephen Robert Kannaka
Bruce Henry Kincaid

Wayne Gordon Klingstedt
Larry Albin Leicht
Peter Donald Marini
Robert Daniel McCartney
Robert Woon-Fai Ng
James Eugene Nichols
Robert Walter Nowak
Lawrence Joseph Opalka
Robert Vernon Parker
William Charles Polacek
Dale Eugene Risinger
James Arnold Roll
Joe Edward Rosenstiel, Jr.
Abdossalam Sharify
Jack Bruce Smith
Raymond Earl Steinberg
Charles Robert Weber
Jon Richard Whittaker, Honors
Kenneth Stephen Wienchus
William Edward Witzig
John Paul Wojcik
Oussama Fouad Ibrahim Zaben

In Electrical Engineering

Walter Adolph Ast, Jr.
William Gregory Badger
Lynn Warner Barry, Highest Honors
Edwin Thayer Bartlett, Jr.
Charles Wayne Beall
Gerald Bednar
Jorge Pablo Benejam
Edward Stanley Cameron
Leon George Carras
Donald Edward Chermel
Richard Amadeus Chesrow
Johnny Collins
Robert Charles Condon
George Anthony Costello
Ronald Joseph Dale, Highest Honors
Michael John Dalton
Robert Allen Dashell
John Patrick Desmond
Dennis John Doyle
Kenneth Paul Drozdzowicz
Allan Douglas Ecker
John Edward Erickson, High Honors
Ronald Kendall Feeley
Robert Scheller Frank
Wayne Susumu Fujiwara
Kenson Banks Fuller
Bernard Charles Gallagher
David James Garner
Kenneth William Genos
Jerrod David Green
Frederick John Gunther
David Baker Hall, Jr.
Michael Allen Hall
John Bertrand Halla
Kenneth Walter Hamilton
Charles Richard Hankins
Robert Franklin Holloway

Glenn William Huebner
Richard Duane Jahns
Raymond Alan Jenski
David Lee Jose, Highest Honors
David Lawrence Junchen, Highest Honors
Jack Kail, Honors
John Edgar Kemp
Kamin Khadem
John Kerr Kimball
John Alan Knecht
George John Koronios
Jay Robert Krebs
Thomas Harry Kuckertz
Damian Hung-Lap Law
Daniel Joseph Lombardi
Edward Donald Loukota
Anthony Thomas Maher, Honors
Daniel Joseph McGuade
Romas Joseph Miknaitis
Anthony David Miosi
Richard Lloyd Mole
James Louis Mueller
Larry William Niggli
James William O'Neil
Dale Leonard Paquette
Christos Patchaouras
Ronald Thomas Peterson
Harold Alan Peyer
David John Pfender
Daniel Anthony Piegar
Gary Allen Polhill
Michael Dennis Rabin
Claus Heinrich Rode, High Honors
Gary Allen Roosevelt
Robert Arthur Sainati
Wendell Hayes Schanz
Wayne John Schmidt
Donald Edwin Schroock, Honors
Frank Michael Sci, Jr.
John Alan Seppelet
Charles Fredrick Smiley, Honors
Neil Paul Smith
Paul Adam Snopko
Terry Edmund Sorensen, Honors
Edward Roy Stephan

In Engineering Mechanics
Gerald Rodney Boyer, High Honors
Douglas Susumu Ichishita
Frank Ivan Krawczyk

Themistocles Constantine Anestos
Thomas Raymond Barnes
Stephen Blaine Bryant
Timothy Paul Kary
Bijan Parhami

In Engineering Physics
Gerald James Pinas
Allan Michael Tomolillo, Highest Honors
Carl Joseph Withee, High Honors

In General Engineering
Martin Joseph Bailey
Arnold Bernard Bandstra, Jr.
Randall Lee Bell
George Peter Friedrichs
Alten Frederick Grandt, Jr., Highest Honors
Phillip Mark Kasik, Highest Honors
Joe Herman Leach
Larry Kenneth Lekovish
William Edward Monstes

In Industrial Engineering
Raymond John Berens
Francis Eugene Carpenter
James Paul Erickson
Julian LaFayette Moon III

In Mechanical Engineering
Clayton Mark Anderson
James Lloyd Bailey
Lester George Banach
Thomas Anthony Beveridge
Walter Eugene Broom, Jr., Honors
Donald Robert Byerly
John Roger Calhoun
Robert Russell Condon
Robert William Dawson
Gidon Shmuel Elkeles
Kenneth Wayman Freelain
Thomas Michael Gannon
John Elmer Glabe
Leonard Paul Gorski
Joseph William Hebenstreit
Joseph John Hikel, Jr.
Frank Evan Hunter
Arnold Alvin Johansen
Kenneth Norman Kimmelman
James Daniel King
John Edward Krolak
Marvin Stanley Lang
Donald Eugene Litwiller, Honors
James Earl Markowski

Frank Dennis Straka
Glen Hiroshi Sunahara
Larry Eugene Van Doren
Scott Belden Wallace, High Honors
Douglas Millard Whitlock
Michael Richard Wozniak
Henry William Zaininger, Honors
Shraca Zalstein
William Richard Ziemer

Ross Crawford Lyman, Jr.
Robert Dale Reynolds
James Thomas Ryder

In Engineering Mechanics
Richard Alan Pormal
John Leo Quirin
James Stuart Schmohe, Highest Honors
Lonnie Ray Seymour
Thomas Joseph Vokac
Richard Reinecke Williams
James William Wolf
Anthony Zumpano

In General Engineering
Richard Alan Purmal
John Leo Quirin
James Stuart Schmohe, Highest Honors
Lonnie Ray Seymour
Thomas Joseph Vokac
Richard Reinecke Williams
James William Wolf
Anthony Zumpano

In Industrial Engineering
Laurence Douglas Sauer
Edward Charles Schweiger
Duane Thomas Skidmore
Marcus Glenn Van Winkle

In Mechanical Engineering
Richard Allen May
Ronald Frank Mayer
Raymond Motluck, High Honors
Henry Nobuo Nakagawa
Guy Douglas Pfeiffer
Bob Frank Polivka
Terry Lee Rohde
Richard John Schlogel
Laurence Joseph Schmidt
Robert Frank Schmidt
Eric Lee Storm
John Herlin Stromberg
Humberto Suarez
George Tarpanoff, Jr.
Kenneth Woo Shou Ting
John Anthony Trischan
James Anthony Turek
Clement Anthony Urban
James Niels Viderbeck
Ronald George Watson, Highest Honors
Roger Bernard Whipple
Robert Charles Winn
In Metallurgical Engineering

DONALD RIGGS Houser
TERRY LEE Sestierthenn

Edward Harold Vander Molen
Lawrence Albert Zagorski

COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts

In Liberal Arts and Sciences

Judith Ann Adamson, High Honors in Liberal Arts and Sciences
Janis Louise Africh
Mary Cavins Anderson
Gladys Angel
Frederick Peter Aprati, Jr.
Alfred Frank Arquilla
John Harris Baird, Jr.
Margaret Ellen Banashek
Alan Fredrick Barney
Anooshiravan Batmanghelidj
Stephen Alan Bauer
Jean Louise Behrens, with Distinction in Economics
Michael Martin Bencic
William Asher Bernstein
Cynthia Ann Birn, High Honors in Liberal Arts and Sciences with High Distinction in Russian
Lee Roy Bissey
Susan Jane Blackmore
Michael Bruce Boren
Jeanne Carol Bowling
Ronald Allan Brand
Bruno Gerhard Breitmeyer, High Honors in Liberal Arts and Sciences

Violeta Maria Briedis
Harrriet Brown
James Edward Burke
Linda Bartolt Burton
Thomas Edmond Bush
Elaine Anne Canelos
Gerald Michael Carbonari
Freda Harmon Carpenter
Carolyn Saidia Carraro, Honors in Liberal Arts and Sciences
Robert Jean Clark
Sandra Gayle Cohen
Jane Van de Voorde Colson, Honors in Liberal Arts and Sciences
Thomas Kenneth Compton
Patricia Mary Condon
Carole Madeleine Deering, High Honors in Liberal Arts and Sciences with Distinction in Spanish
Olga Helen Dmekowicz
Eugenie Ann Dickerson
Margaret Domenica Di Gaetani
James John Dionne
Nicholas Lutyns Dorosheff
Marcia Ann Elliott
Jean Lorraine Evans
Samuel Alphonse Farruggia
Susan Elizabeth Fisher

Thomas Addison Flanders
Albert Louis Foster
Deborah Anne Francke, with Distinction in Anthropology
Susan McConaughy Frost
Jane Carolyn Fuerbringer
Dorothy Lynne Gelston
Linda Ellen Getman
James David Goodman
Bonnie Mowes Gordon
Edward Chester Godecki
Dimitri Nikoloff Gulmesoff
James Gordon Gustafson
James Frederick Guyot
Beulah Charlotte Hall
Earl Harold Hansen
Marian Urban Heffern
Mary Madleen Hilburger
Clare Catherine Hirsley
Rebecca Lee Hunter
Kathleen O'Day Hurst, with Highest Distinction in Anthropology

Thomas Mercer Hurst, High Honors in Liberal Arts and Sciences with Highest Distinction in Anthropology

Nancy Jo Hurt
Sally Ann Johanesen
Lisbeth Johannesssen
Janice Cecilia Jones
Dennis Wayne Joyce
Robert Kellor
HeLEN Ann Kelly, High Honors in Liberal Arts and Sciences with Distinction in Political Science

Thomas Alan Kennedy
Mary Ann Kenny
Charlene Joy Kersten
Bruce Chase Kingsley
Mary Harper Kitzmiller
Scott Alan Kleiman
Ronald Joel Klepetar
Suzanne Marie Knott
Joyce Ann Korbecki
Karen Ann Krieger
Leonard William Kunz
John Dennis Larkin
Graham James Lee
Fred Joseph Levy
Sharon Elizabeth Lowe
Dean Edward Lund
Donald Alan Lykkebak
Paul Dunn Lynch, Jr.
Susan Ellen Mann
Virginia Sperry Martin
CHARLES THOMAS MAXEY, JR.  
LINDA JO McCAIN  
JOHN FRANCIS McCREAMY, High Honors  
in Liberal Arts and Sciences with  
High Distinction in History  
MARY ANN McMANUS  
MARGARET JEAN McMICHAEL  
THOMAS WALTER MIER  
CARRIE JOSEPHINE MILLER  
STEPHEN JAMES MINDHAM  
WAYNE KENNETH MOCK  
DONNA M. MORROS, High Honors in  
Liberal Arts and Sciences  
MELISSA MORESE  
HARLAN LYNN MUELLER  
CONNIE M. MUNK, Honors in Lib- 
eral Arts and Sciences  
JOHN EDWARD Murphy, JR., Honors in  
Liberal Arts and Sciences  
CHESTER NEAL NUDELMAN  
STASIA LOUISE OERTLEY, High Honors  
in Liberal Arts and Sciences  
MARY JENNIFER OLSON  
SANDRA JOHNSON O'MEARA  
JANET MARIE ORLANDINO  
WHITNEY BLAINE OTIS  
ANN PEARL OWEN, High Honors in  
Liberal Arts and Sciences with  
Distinction in Anthropology  
LA VERNE LOIS PAIFOLAS  
GEORGE EDWIN PATTERSON  
TERESA MARY PAUSETNTUS  
GAYLE VIRGINIA PETERSON  
JOHN MALCOLM PETERSON, with High-
est Distinction in Anthropology  
KEITH RICHARD PHELPS  
PHILLIP DAVID PHILLIPS, with Distinc-
tion in Geography  
ANN LOUISE PICKARD  
ELKE JURGENSEN RADOYEVIC, Honors  
in Liberal Arts and Sciences  
VIRGINIA PAULINE RANDOLPH  
LAUREN BONNIE RAVITZ  
RENEA BAZILLAIUSKAS RAYFIELD  
ALAN JOSEPH REKUS  
JUDITH ANNE RICE  
MARIO ANTONIO RINALDO  
CARLENE ANNE GRIFFITHS ROBERTS  
SALLY BACHRACH ROBINSON  
TERRY LANE ROSE  
WAYNE MYRON ROSE  
IRIS PAULINE SACHS  
VIVIENNE JOAN SANBURG, Honors in  
Liberal Arts and Sciences  
LYN GALE SARACINO  
SUSAN FRED SCHMIDT, High Honors  
in Liberal Arts and Sciences with  
Highest Distinction in French  
MARCIA CLAIRE SCHULTZ  
ESTA BARBARA SCHWARTZ  
JAMES SAUL SEEGALL  
FRIEDA APPENZELLER SEYMOUR  
JAMES RALPH SILVERWOOD  
JAMES JEROME SISUL  
ELAINE STRAUSS SMITH  
MARGARET MORRIS SMITH  
EMMA THRODEORA STAINTON  
NANCY MARIE STEFFES, High Honors  
in Liberal Arts and Sciences with  
Highest Distinction in French  
RUDOLF STEINER  
BRUCE ELWINS SULLIVAN  
PATRICIA M. SULLIVAN  
LORRAINE NADINE NESS SWEENEY  
SHERYL VERNON THACKER  
JOE GUNNAR THOMPSON, High Honors  
in Liberal Arts and Sciences with  
High Distinction in Anthropology  
JOHN DAVID THOMPSON  
RENE SIGRID THORNBURG  
DAVID PAUL THROOP  
LAURENCE HEATH TUTTLE  
RUTH MOONEY WALL  
WILLIAM THOMAS WALSH  
MICHAEL JAMES WARNER  
SETH STUART WERNER  
SUSAN DOYLE WETZEL, Honors in Lib-
eral Arts and Sciences  
WILLIAM ANTHONY WILLIAMS  
HARLEEN ALICE YOUNG  

In the Teaching of English  
JANE ELLEN ATLAS  
JO ANN BARGIEL  
BETTE RAE COHEN  
HARRIET DULH  
AUDRE HARRIS GORKA, High Honors in  
Liberal Arts and Sciences  
ARLENE STRICKLER MEYER  
ERNESTINE NORMAN  
CAROLE ELAINE POTICH  
JUDITH HOFFMAN REDEBO  
PAAULA SUE WOSK, High Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  

In the Teaching of French  
JANET SUE ALIKONIS  
VALERIE BURKE, High Honors in Lib- 
eral Arts and Sciences with High  
Distinction in the Curriculum  
SUSAN MERLE LERNER, High Honors in  
Liberal Arts and Sciences  
CAROL ANN SCHARHAG, Honors in Lib-
eral Arts and Sciences  
JANET SHAUB WHITE, Honors in Lib- 
eral Arts and Sciences  
MARILYN EDITH WILLIAMS, High  
Honors in Liberal Arts and Sciences  
with Distinction in the Curriculum
In the Teaching of German
Diane Maris Singman, High Honors in Liberal Arts and Sciences with Distinction in the Curriculum

In the Teaching of Latin
Lynne Ann Toelle, High Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

In the Teaching of Russian
Alexandra Andrich, with Distinction in the Curriculum

In the Teaching of Social Studies
Herrold Dean Andrews, High Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
Karen Lynn Denenholtz, High Honors in Liberal Arts and Sciences
Scott Nash Herrick
Philip Denne Knell
Nanette Julia Kraus
Kathryn Brand Leonhard, Honors in Liberal Arts and Sciences
Judith Ann Ramsden
Bonnie Marie Reznicek
Linda Ruth Schneider
Ronna Diane Sulkin
Jo Ann Van Hook
Gail Elizabeth Wellborn
John Paul Womick

In the Teaching of Spanish
Ella Jeanne Glasgow
Mary Elsie Heiple, with Distinction in the Curriculum
Katherine Nina Kahlcr, High Honors in Liberal Arts and Sciences with Distinction in the Curriculum
Susan Christine Koprivica
Sue Ellen McKibbin, High Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
Adelaida Florentina Rodriguez, Honors in Liberal Arts and Sciences

In the Teaching of Speech
Amelia Vasiliki Dres
Terrance Lee Johnson
Jerry William Millar

In Theatre Art
Stanley Lawrence Catlett

Degree of Bachelor of Science

In Chemical Engineering
Alan Joseph Cabodi
Gary David Carr, High Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
Howard William Cox, Jr., High Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
Kenneth Lee Ebeling
James William Kilroy
James Francis Lambe
Philip John Leider
Lee Robert Marek, High Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
John Charles McIlrath
Gordon Earl Moskal, High Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
Robert Henry Meisinger
Howard Leo Patterson
Andrew Thomas Zander

In Chemistry
Michael Louis Cresser
James Michael Grow, High Honors in Liberal Arts and Sciences with Distinction in the Curriculum

In Home Economics
Ann Marie Shildneck
In Liberal Arts and Sciences

LINDA SUE ALLEN
JOYCE RUDEN ANDREWS, High Honors
in Liberal Arts and Sciences
JOHN MARK BADE
NORA MICHAELA BARTELT
LINDA MARIE BOELK
GEORGIANNA MAE BROWN
LAWRENCE EUGENE BROY
JANIE LYNN CLARK
RONALD COY COMER
MARCI ANN DEHAVEN
LADD MICHAEL DUDA
MARY KATHLEEN DUFF
GARY LEE ELLESON
STEVEN MICHAEL EPSTEIN
WILLIAM EDWARD FINN
DOUGLAS GLENN FISHEL
THOMAS ALBERT GARRISON
EDWARD ROBERT GERCAS, JR.
MICHAEL JEFFREY GLEASON
LINDA OWINGS GRIEVE
DAVID MICHAEL GROTHE, High Honors
in Liberal Arts and Sciences
MICHAEL ALLEN HALL
TERENCE MICHAEL HAMMER, High Honors
in Liberal Arts and Sciences
with Distinction in Honors Biology
SADREDDIN BEHBAHANI HASSANI, Honors
in Liberal Arts and Sciences
KAREN MILLER HORVATH
LORSAINNE LUCILLE HOUR
RAND LEE HULTMAN
GEORGE LOUIS HUSZAR
ROBERT NEALE JOHNSON
RONALD GALE JOHNSON
NIKKIE JEAN KAPLAN, High Honors
in Liberal Arts and Sciences
ARTHUR DEO KLEIN III
ROBERTA CAROL KOBBI
THEODORE HANSLEY LAWS, Jr.
PHILIP RICHARD LAZAR
PENELOPE HALL LUDWINSKI
KATHEN JENN MAIER
JON FREDERICK MALERICH
NANCY DOUGLAS Malkin
JOHN JOSPEH MARCHESCHI
DONALD ROBERT LEE MAY, High Honors
in Liberal Arts and Sciences
with Distinction in Microbiology

In Physics

JAMES RALPH ARNETT
JOHN DAVID BRYANT

In Speech Correction

KATHERINE KELLER MORROW

In the Teaching of the Biological Sciences and General Science

MARI JOURNEY STAFFORD TUNNELL
DOROTHY JEAN WIEGEL
In the Teaching of Mathematics

Jerry Lee Benson
David Michael Hibbs
Martin Eugene Miller
Louise Murray
Robert Ross Nelson

Rachel Neuberg, High Honors in Liberal Arts and Sciences with Distinction in the Curriculum
Virginia Kathleen Wassmann
David Richard Wood

College of Law

Degree of Juris Doctor

Douglas Craig Baldwin, A.B., Northwestern University, 1965
David Robert Berard, A.B., 1964
Carlton Brett Bode
Charles William Decker, B.S., 1964
David Humphreys Dell, A.B., Oberlin College, 1964
Charles Lynn Fierz, A.B., Michigan State University, 1965
Richard Samuel Friedman, A.B., 1965
Dennis Joseph Green, B.S., 1963
Miles Neil Hartman, B.S., 1964
Edward Stuart Margolis, A.B., 1965
Edward Dennis McNamara, Jr., B.S., St. Louis University, 1965

Kent Allen Noble, B.S., 1965
Phil McKinney Pippenger, A.B., Knox College, 1963
Frederick David Rawles, A.B., University of Notre Dame, 1964
Gerald Loren Schenk, A.B., 1964
Frank Groves Stepker, B.S., Purdue University, 1961
Herbert Glenn Staff, B.S., 1961
Ralph Scott Summerfield, A.B., Drury College, 1965
David William Watt, Jr., B.S., University of Wisconsin, 1965
Philip Dean Wynn, B.S., University of Michigan, 1963

College of Education

Degree of Bachelor of Science

In Elementary Education

Carole Lynn Barnes
Bonnie Susan Berlin
Barbara Ann Bessinger
Donna Jean Dennis
Nancy Louise Eck
Patricia Judi Faust
Marjorie Ellen Friedman
Judith Agazzi Gawlik
Jeanette Ruth Gregg
Judith Sandra Helbrunn
Joan Jones Herrington
Trevor Barrie Janzow
Janis Karen Kramer, High Honors
Carol Malk, Honors
Beatrice Ott Marbo, Honors
Eileen Susan Mayer

Jacqueline Colbert Miller
Jean Thomas Nichols
Dorothy Proctor Olsen
Rosemary Annette Philpot
Marsha Mae Pombenze, High Honors
Paula Ann Raymond
Laura Joy Reisin, High Honors
Helein Sue Savitsky, Honors
Barbara Lillian Skocz, Honors
Barbara Jane Stanek
Janet Drell Strauss
Pamela Gayle Swedlin, High Honors
Judith West Thomas, Honors
Loretta Trawinski, High Honors

In Industrial Education

James Maree Brown
David Wayne Chobar
William Russell Claxon, Honors
Gary Michael Cordier
Henry Vincent Gross
Carl Albert Heinrich, Honors

William Roger Hembreiker, Honors
Dennis Vincent Kazlauskas
Patrick Keene LaVan
David Bruce Lawrence
John Bosman Parker
Paul Edward Skolaski

In Secondary Education

James Richard Feldmann
Carole Lynne Johnson
Thuridur J. Kristjansdottir
Clarence Fred Ladwig
Encarnita Maria Martinez

Evelyn Gay Meier
Robert John Prince
Opal Virginia Proff
William Dale Tiley
Elizabeth Small Wigiam
COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accounting

LESTER KENNETH ABLIN
THOMAS JAMES ANDERSON
DEBORAH LOUISE ASHBROOK
RONALD LEE BLUMQUIST
ROBERT CHARLES BOWERS, HONORS
VICTOR HYMAN BRACA
ROBERT JOEL BUSH
MICHAEL FRANCIS BRACA
DONALD PAUL CRUM
HOWARD HENRY ELLIOTT
JOHN ALLEN ELSASSER
ELINOR HIXSON FOSTER
JOHN ARTHUR FRESE
WILLIAM ARTHUR FREY
CHARLES RAYMOND FULK, HONORS

JEROME HOMER GIERMANN
PHILIP MAX HANLEY
WILLIAM ADOLPHE KAST
THOMAS PATRICK KEARNEY
NOEL FREDERICK KNOBLOCH
THOMAS KRISTIAN OHMAN
LARRY GLEN PAULEY
JOHN WALTER QUIRSFELD
GARY JOHN SPLITTSTOESSER
DONALD ELWOOD SWANSON, JR.
JACK BERA TEPLITZ
BARBARA ANNE UHLL
LAWRENCE WAYNE WEIDIG
RICHARD LOWELL WETHERELL
THOMAS LEE ZEBARTH

In Economics

STEPHEN CHARLES BANNISTER, HIGH HONORS
JULIAN BRUNO GORSKI

JOHN EDWARD NIMZ, JR.
JOHN JAMES NOWICKI

JOHN JAMES NOWICKI

In Finance

PAUL ALAN DECKER
KARL ROBERT FERNLUND
ROBERT SHERWOOD JACKSON
SCOTTY RAY JACOBS
DAVID LEE KELTNER
JOHN BOWLES MAJOR, JR.

DONALD ALLEN MCKAY
ALAN STEVEN PEPPER
TERRY JEROME SCHUSTER
CLAYTON ALLAN STUBBINS
DONALD RAYMOND VOIT

In Industrial Administration

CAROLYN GRAVES COOKE
CAROLYN GRAVES COOKE
GLEN MATTSON CUTLER, JR.
ALLEN GUSTAV DRIES
ALLEN HARVEY HALL
RANDY K. HESS
RICHARD BOYCE KIRCHHOFF

RICHARD JOSEPH PETZOLD
AUGUST FRANCIS PIONKE, JR.
ROBERT ANTHONY POLIVKA
RICHARD DEREK REESE
THOMAS DALE WAGONER
KENNETH ANDREW WERON

In Management

ALAN BYRON CASTATOR
ROBERT ALAN EKSTEN
LARRY EDWARD GRABB

BURDETTE RICHARD JOHNSON
THOMAS SCOTT PARKHILL

Richard Dennis Ball
James Collin Dong, Jr.
Douglas Wayne Eden
James Edmund Egan
Elliot Engelhart
Steven Gunther Friedmann
Peggy Lynn Hettinger
Michael James Houston

In Marketing

Herbert Paul Hupfer
Diane Pinnow Lekovish
John Wayne Matzer
Joseph Cecil Banks Patterson
Donald Frank Pierson
Robert Owen Reichl
Alan John Young

COLLEGE OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Communications

MYRON MAYNARD BENNETT, JR.
ROBERT ALAN CHABER
STEPHEN GREGORY CREWS, HONORS

BARBARA JEANNE GRAFF
JOHN RAYMOND HANKE
SHAREN EARLE KLOSTER
BOARD OF TRUSTEES

LOUIS WILLIAM OATES
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PATRICIA GAIL SHEPHERD

BONNIE ANN SMITH
DANIEL FRANCIS VIDAS, Jr.
ERVIN EVERMONT WYNE

COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Architecture

FRANCISCO J. AGUILLO
DAVID FREDERICK ASCHBACHER
HAROLD FREDERICK BURKE, JR.
DAVID C. ELMORE
JOSEPH FRANKLIN FRUTH
DAVID ARDEN HANSEN
RONALD HASON, HONORS
KENNETH WILLIAM JONES
COLIN PINKERTON LINDBERG
JOHN JAMES MARTIN
THOMAS JAMES McMORROW
PAUL LEONARD POLSKI

STEVEN RICHARD POLSON
JOSEPH BENEDET RAI A
KELLY DENNIS RIORDAN, HONORS
ALLEN CLARK SHELDON, JR.
REX STEPHEN SLAUGHTER
JOHN ROBERT SMART
Myles CLAY STEVENS, JR.
RICHARD HARVEY STEWART, JR.
RONALD EUGENE SIZERLONG
RONALD EDWARD VANDER WERFF
WAYNE ALAN WORTHINGTON

Degree of Bachelor of Fine Arts

In Art Education

Diane H. Marks

In Crafts

Eleanor Hedwig Moty, HONORS

In Graphic Design

ANEITA KAY Atwood, HONORS
AARON ARTHUR Fagen
LINDA ANN Jacober
CAROL CLAUDIA Libera, HONORS

In Industrial Design

DAVID MICHAEL Bauman
JAMES MICHAEL Cyborowski, High
Honors
WAYNE JOSEPH Franek
JAMES Gardner MILLER III

In Painting

JUDITH Ann Hufschmitt
WAYNE Leo Page
VIRGINIA Peck, Highest Honors
NORMA McHOES Richards

In Sculpture

MARVIN LYLE Shafer, HONORS

Degree of Bachelor of Landscape Architecture

GLENn Doyle Stainton

Degree of Bachelor of Music

JOHN FREDERICK DEPPE
JAMES STEPHEN Javore

Degree of Bachelor of Science

BONNIE MARA Barnett, HONORS
LOVICE Joy BRICHTA, HONORS

In Music Education

ELIZABETH Josephine Burk, HONORS
BONNIE TraUM Burrows
SECRETARY'S REPORT

The Secretary presented for record appointments to the faculty made by the President, resignations and declinations, leaves of absence, and the following cancellation and change in sabbatical leaves of absence.

CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

Kirk, Colleen J., Professor of Secondary and Continuing Education and of Music, and Counselor on University Council on Teacher Education, Urbana — sabbatical leave of absence granted her for Semester II 1967-68, on full pay, is cancelled without prejudice.
CHANGE IN SABBATICAL LEAVE OF ABSENCE

Cash, Jacob G., Professor of Dairy Science Extension, Urbana—sabbatical leave of absence changed from six months from January 1, 1968, on full pay, to three months from April 1, 1968, on full pay.

A copy of the complete report is filed with the Secretary.

ANNOUNCEMENTS FROM THE PRESIDENT OF THE BOARD

FUTURE BOARD MEETINGS

President Swain announced the following schedule for the next three meetings of the Board: annual meeting of the Board, March 20, 1968, Urbana (having been changed by vote of the Board from Tuesday, March 12); April 17, 1968, at Chicago Circle; May 15, 1968, in Urbana.

RECESS

On motion of Mr. Clement, the regular meeting was recessed and the President of the Board stated that following lunch, a meeting of the Committee on Buildings and Grounds had been called and that an executive session had been requested and was being ordered following the Committee meetings to consider recommendations relating to patentable discoveries, property acquisitions and pending litigation.

LUNCHEON

A film produced at the Medical Center Campus, "Educating the Dedicated," was shown to Trustees and other University personnel following the luncheon.

EXECUTIVE SESSION

When the Board reconvened, the same members of the Board, officers of the Board and officers of the University as recorded at the beginning of these minutes were present.

The Board considered the following recommendations from the President of the University.

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

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

1. Low pressure absolute manometer—Wilfred C. Schuemann, former Research Associate in the Coordinated Science Laboratory, inventor; developed under the sponsorship of the Joint Services Electronics Program and the National Aeronautics and Space Administration.

The basic device consists of a metallic vane mounted on the end of an arm suspended at the center of a torsion fibre. The unknown pressure is on one side and a high vacuum on the other side of the vane. Molecules rebounding from one side of the vane give rise to a torque about the axis of the torsion fibre. A conducting grid is placed in front of the vane and a torque, opposing that caused by the molecules, can be produced by applying a voltage between the grid and the vane. A mirror is placed on the arm at the torsion fibre and optical techniques are used to determine a null position. The gas pressure on the back of the vane is made negligible by placing the vane in a wall between two vacuum systems. The first system contains the gas to be measured and the grid to produce the electrostatic force. The second system contains the suspension fibre mounting and a pump which has a pumping speed very much larger than the leakage conductance from system 1 to 2 through the gap around the vane.

The Committee recommends that the rights of the University in this invention be assigned to the National Aeronautics and Space Administration, if that is the wish of that agency, and that the University not request a waiver from that agency for the use of the invention.
2. Gamma ray probe for measuring submarine sediment density in situ—K. Preiss, former Assistant Professor of Civil Engineering and of Nuclear Engineering, inventor; developed under the sponsorship of the Office of Naval Research.

The probe consists of two tubes spaced approximately 12 inches apart and approximately 12 inches long. One tube contains a source of gamma radiation, which is cesium 137. The other tube contains a sodium-iodide scintillation counter which is arranged so as to count only the photons over the cesium 137 absorption peak. In such a system the density of the material between the tubes is proportional to the logarithm of the detected count rate. This detected count rate is sent by cable to a ship for recording.

The Committee recommends that the rights of the University be assigned to the inventor, subject to the rights of the Navy, and that if the inventor does not apply for a patent the rights be assigned to the United States Navy.

3. Monitored and adaptive socratic tutor for educational research, the MASTER I/O station for the SOCRATES computer based teaching system—Kenneth C. Smith, former Research Associate Professor of Electrical Engineering and of Electrical Engineering in the Department of Computer Science, inventor; developed under the sponsorship of the Office of Naval Research.

This is a film transport mechanism with transistorized function and timing logic for use under computer control as a teaching station. The film transport and projection system of the United States Industries' AutoTutor Mark II is used as well as printed circuit cards designed at the Department of Computer Science of the University of Illinois.

The Committee recommends that the rights of the University be assigned to the inventor, subject to the rights of the Navy, and that if the inventor does not apply for a patent the rights be assigned to the United States Navy.

4. N-Carbalkoxy-0-Alkylamidoximes as insecticides—Dominick A. Coviello, Associate Professor of Chemistry in the College of Pharmacy, Sheila R. Liber, student of Chemistry, and Bernard Greenberg, Professor of Biological Sciences at Chicago Circle, inventors.

Derivatives of the general structure designated N-Carbalkoxy-O-Alkylamidoximes have been prepared and have demonstrated an ability to kill houseflies.

The Committee recommends that the rights of the University be assigned to the inventors.

5. Solid state junction devices for light detection and modulation—Chih-Tang Sah, Professor of Electrical Engineering and of Physics, inventor; developed under the sponsorship of the Advanced Research Projects Agency and the Air Force Office of Scientific Research.

Light modulation and detection can be obtained at the impurity centers in the depletion region of a semiconductor junction. This invention proposes the use of this newly discovered phenomena by this inventor for light detection, modulation and cross modulation.

The Committee recommends that the rights of the University in this invention be assigned to the University of Illinois Foundation for further study and patent application, such assignment subject to the rights of the sponsoring agencies.

6. Electrochemical and/or chemical reduction projects of hexavalent chromium prepared by molten salt techniques—H. A. Laitinen, Professor of Chemistry, and J. H. Propp, former Research Assistant in Chemistry, inventors; developed under the sponsorship of the United States Army Research Office at Durham.

A protective coating has been prepared by electroreduction of chromate in molten lithium chloride-potassium chloride in the presence of magnesium chloride at temperatures of approximately 350-600°C.

The Committee recommends that the rights of the University in this invention be assigned to the University of Illinois Foundation for further study and patent application, such assignment subject to the rights of the sponsoring agency.

7. Tube latex glutination test ("Malaria Vaccine and Malaria Diagnostic Test"), Miodrag Ristic, Professor of Veterinary Pathology and Hygiene, in the College of Veterinary Medicine, and of Veterinary Research, in the College of Agriculture, Radmilo A. Todorovic, Research Associate in Veterinary Path-
ology and Hygiene, in the College of Veterinary Medicine, and in Dairy Science, in the Agricultural Experiment Station, Arnold Ray Smith, Post-D.V.M. Trainee, inventors; developed under the sponsorship of the National Institutes of Allergy and Infectious Disease and the National Heart Institute.

An antigen was extracted from the serum of animals acutely infected with malarial parasites. When this antigen was freed from most of the native serum components, it was found to be useful in a tube latex agglutination (TLA) test for diagnosis of various malarias, including that of man. Preliminary trials with this antigen indicate that it is immunogenic and that it may be used for prevention of malarial infections.

A patent application has been filed. The Committee recommends that assignment be made to the University of Illinois Foundation, subject to the rights of the sponsoring agencies.

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

EMPLOYMENT OF SPECIAL COUNSEL

(33) At its meeting on September 20, 1967, the Board of Trustees authorized the Legal Counsel to take such steps as are necessary or appropriate, including the employment of special counsel, to defend the University and its employees in a suit filed in the Circuit Court of Cook County (67 L 13177) by Howard S. Chapman, one of the passengers in a University plane which crashed November 28, 1966. In connection with the same transaction, Howard S. Chapman filed suit in the United States District Court for the Northern District of Illinois, Eastern Division (Civil Action No. 66 C 2335) against the United States of America. The Amended Complaint in the Federal suit seeks damage from the United States of America in the amount of $850,000 for the alleged negligence of the United States in the matter. The United States of America has now filed in the Federal action a Third-Party Complaint against the University and its same representatives and agents who were named as defendants by Howard S. Chapman in the State court action. The Third-Party Complaint seeks to require the University and its representatives and agents to indemnify the United States for or, alternatively, to contribute a prorata share of any liability assessed against the United States of America in the Federal Court action.

Each of the University employees named as a defendant in the Third-Party Complaint is alleged to have been performing his University duties on the occasions referred to, and each has requested the University to provide representation for him in the matter.

The Legal Counsel recommends that he be authorized to take such steps as are necessary or appropriate, including the employment of special counsel, to defend the University and its employees in the Federal proceedings.

I concur.

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

PENDING LITIGATION

The Legal Counsel reported on the status of condemnation cases, including the pending condemnation of the Winship Property at the University of Illinois—Willard Airport. At the request of the Legal Counsel and on motion of Mr. Grimes, the Board granted the officers of the University authority to settle the condemnation at a price up to $1,200 per acre plus damages to land not taken, if such settlement is indicated by the progress of the litigation.

On motion of Mr. Grimes, the Board adjourned.

Earl W. Porter
Secretary

Timothy W. Swain
President