

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

June 23, 1959



The June meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Tuesday, June 23, 1959, beginning at 3:00 p.m., central daylight saving time.

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

Also present were President David D. Henry, Vice-President and Provost Gordon N. Ray, Dr. H. E. Longenecker, Vice-President in charge of the Chicago Professional Colleges, Executive Dean C. C. Caveny of the Chicago Undergraduate Division, Dean Granville A. Bennett of the College of Medicine, Director C. S. Havens of the Physical Plant Department, Mr. Donald E. Dickason, Director of Non-academic Personnel, Mr. Ralph F. Lesemann, Legal Counsel, Professor Rubin G. Cohn of the College of Law, Mr. C. E. Flynn, Director of Public Information, Mr. Morris S. Kessler, Assistant Comptroller; and the officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of the Board of Trustees on February 19, 1959, press proof copies of which have previously been sent to the Board.

On motion of Mr. Swain, these minutes were approved as printed on pages 285 to 338, inclusive.

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

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

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

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
LIONEL AXELROD	Peoria	District of Columbia
WILLIAM FRANCIS BEY	Chicago	District of Columbia
CHARLES RAYMOND BOWMAN	Peoria	Indiana
JAMES MICHAEL BURNS	North Riverside	District of Columbia
HAROLD LEONARD CHAPMAN	Evanston	District of Columbia
HOWARD S. GOSS	Chicago	District of Columbia
ALBERT ROY GRAHAM	Palatine	District of Columbia
H. LEE HOPWOOD	Springfield	District of Columbia
JAMES HOWARD LANHAM	Bethesda, Maryland	District of Columbia
JUNE R. OTA	Chicago	District of Columbia
LESLIE MORROW PENNY	New Castle, Pennsylvania	Ohio
RICHARD ALLEN SNYDER	Chicago	Texas

I concur.

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

APPOINTMENTS TO THE FACULTY

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

1. JULIUS H. CAHN, Associate Professor of Electrical Engineering and of Physics, beginning September 1, 1959, at an annual salary of \$11,000 (AY).
2. JOHN W. CHRISTIAN, Visiting Associate Professor of Metallurgy, in the Department of Mining and Metallurgical Engineering, for one and one-half months from July 1, 1959, at a salary of \$1,350 (G).
3. ULRICH E. KRUSE, Assistant Professor of Physics, beginning September 1, 1959, at an annual salary of \$8,500 (D).
4. CHARLES KUPER, Research Assistant Professor of Physics, for six months from May 1, 1960, at a salary of \$4,200 (G).
5. BRUNO LEON, Assistant Professor of Architecture, beginning September 1, 1959, at an annual salary of \$7,500 (B).
6. WILLIAM J. O'CONNELL, Assistant Professor of Architecture, beginning September 1, 1959, at an annual salary of \$8,000 (B).
7. SERGIO RODRIGUEZ, Research Assistant Professor of Physics, beginning September 1, 1959, at an annual salary of \$7,500 (DY).
8. SHAO LEE SOO, Professor of Mechanical Engineering, beginning September 1, 1959, at an annual salary of \$11,000 (A).
9. DALE STEFFENSEN, Visiting Associate Professor of Botany, for the second semester of 1959-60, at a salary of \$5,000 (E).
10. VICTOR J. TENNERY, Research Assistant Professor of Ceramic Engineering, for two and one-half months from June 16, 1959, at a salary of \$1,770 (G).

11. ANTHONY VINCI, Assistant Professor of Hygiene and Physician to McKinley Hospital and the Health Center, beginning September 1, 1959, at an annual salary of \$12,000 (DY).

Appointments to Nonacademic Staff

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

1. LEOVIGILDA A. CRISOLOGO, Food Service Supervisor in the Research and Educational Hospitals Dietary Department, at the rate of \$4,200 per annum, effective April 1, 1959.
2. GLADYS A. JOHNSON, Dietitian in the Research and Educational Hospitals, at the rate of \$4,800 per annum, effective April 1, 1959.
3. NANCY T. WATTS, Staff Physical Therapist in the Research and Educational Hospitals, Physical Medicine and Rehabilitation, at the rate of \$5,100 per annum, effective May 18, 1959.
4. SALLY A. WEIDENKOFF, Staff Physical Therapist in the Research and Educational Hospitals, Physical Medicine and Rehabilitation, at the rate of \$4,200 per annum, effective April 1, 1959.

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

CHAIRMANSHIP OF THE DEPARTMENT OF BOTANY

(3) Professor John R. Laughnan, who has been serving as Chairman of the Department of Botany since 1955, has asked to be relieved of this administrative assignment at the end of the current academic year, and I have approved his request. He will remain in the Department as Professor of Botany.

The Dean of the College of Liberal Arts and Sciences recommends the appointment of Dr. Wilson N. Stewart, a member of the Department, as Professor of Botany on indefinite tenure and as Chairman of the Department for two years beginning September 1, 1959. The salary of this position will be determined when the budget for the academic year 1959-60 is submitted to the Board for approval.

The nomination of Professor Stewart has been made after consultation with the Executive Committee of the Department and has the endorsement of the Vice-President and Provost and the Dean of the Graduate College.

I recommend approval.

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

SCHOOL OF LIFE SCIENCES IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

(4) The faculty of the College of Liberal Arts and Sciences and the Urbana Senate recommend establishment within the College of a School of Life Sciences, to include the Departments of Bacteriology, Botany, Entomology, Physiology, and Zoology. The School will be under the administration of a Director to be appointed biennially by the Board of Trustees on recommendation of the Dean of the College and the President of the University, and will be under the general direction of the faculty of the College. The internal organization of the School and the responsibilities of its officers and committees will be determined by the faculty of the College upon recommendation of the Executive Committee of the School and after approval by the faculties of the respective departments.

The main purpose of the School will be to coordinate activities of member departments within the College, to promote cooperation between those departments and biologists in other colleges of the University, and to advance the interests of those departments in relation to agencies outside the University. It will administer the interdepartmental facilities that serve those departments.

The Chicago Professional Colleges Senate has been consulted and approves the proposal. The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I concur.

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

DIRECTOR OF SCHOOL OF LIFE SCIENCES

(5) The Dean of the College of Liberal Arts and Sciences recommends the appointment of Professor H. Orin Halvorson, Head of the Department of Bacteri-

ology, as Professor of Bacteriology on indefinite tenure and Director of the School of Life Sciences for two years from September 1, 1959. This recommendation is supported by the faculties of the departments in the School, the Executive Committee of the College, the Dean of the Graduate College, and the Vice-President and Provost. For the time being, Professor Halvorson will continue to serve as Head of the Department of Bacteriology. The salary of his position as Director will be determined when the budget for 1959-60 is submitted to the Board of Trustees for approval.

I concur in this recommendation.

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

APPOINTMENTS OF ASSOCIATE DEAN OF STUDENTS AND DEAN OF MEN

(6) An inevitable consequence of the increasing enrollment is the need for additional administrative, as well as teaching, staff, and this has been reflected in the Office of the Dean of Students. It is necessary for this office to have additional staff to maintain its normal services to students. Formerly the organization of the Dean of Students Office included the position of Associate Dean of Students, but this has not been filled for five years and was, in fact, discontinued.

The Dean of Students recommends the appointment of Mr. Edward E. Stafford, now Dean of Men, as Associate Dean of Students for two years, effective September 1, 1959, at an annual salary of \$12,000. Mr. Stafford has demonstrated special abilities in working with groups and in public functions areas with which the office is associated. He can give needed service in this new position, relieving the Dean of Men of certain group functions and the Dean of Students of other work which would be assigned to the Associate Dean's position.

The Dean of Students also recommends the appointment of Dr. Carl W. Knox, presently Dean of Men at Miami University, as Dean of Men for two years from September 1, 1959, at an annual salary of \$12,750 (on BY basis). Mr. Knox is a former member of the University of Illinois staff and has had wide experience in personnel work at other universities.

I concur in these recommendations.

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

APPOINTMENT TO THE BOARD OF DIRECTORS OF THE ATHLETIC ASSOCIATION

(7) The death of Dean Robert B. Browne leaves a vacancy in the faculty membership of the Board of Directors of the Athletic Association. To fill this vacancy, I nominate Dr. Leslie A. Bryan, Professor of Management and Director of the Institute of Aviation, the appointment to become effective immediately, to serve until the next annual meeting of the Board in March, 1960.

Director Bryan has also been appointed faculty representative of the University of Illinois in the Intercollegiate Conference of Faculty Representatives, a post which Dean Browne held for many years.

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

CLINICAL CURRICULUM IN COLLEGE OF MEDICINE

(8) The Chicago Professional Colleges Senate recommends authorization of a revised clinical curriculum in the College of Medicine which will add an additional quarter, effective for the summer quarter of 1961, to the present program.

Objectives of the Proposed Curriculum

1. Provide an opportunity for further development of the clerkship programs during the third year by reorganizing the clinical lecture program so that the average working day on the wards is no longer limited by 8:00 a.m. and 4:00 p.m. lectures. This distribution of lectures has made it impossible for students to participate effectively in surgical procedures, obstetric deliveries, early-morning ward rounds, and the management of the acutely ill patient.
2. Provide opportunities for students to observe the course of patients' illnesses over longer periods of time, particularly in the outpatient departments.
3. Maintain the current student-instructor ratios in the outpatient departments and elsewhere, in spite of increased enrollment in the College of Medicine effected in 1956 and 1958.

4. Combine the junior and senior pediatrics programs into a block clerkship to be given during the junior year.
5. Combine the junior and senior programs in obstetrics and gynecology into a block clerkship to be given during the senior year.
6. Establish sufficient flexibility in the clinical curriculum to enable students to obtain experience in special fields of interest or, in the instances of students with records of high achievement, to undertake more advanced programs including investigative work.
7. Provide for an increase in the students' clinical orientation prior to arrival on the clerkships.
8. Eliminate the difficulties in the current curriculum which now prevent all students from having an opportunity to obtain outpatient department experience in both psychiatry and neurology.
9. Provide for some patient-centered experience in preventive medicine and public health and in radiology.
10. Provide further opportunities for an inter-disciplinary approach to the teaching of medicine.

Outline for a New Clinical Curriculum

It is proposed that the new clinical curriculum include a three-quarter junior year. There would be one quarter of surgery, during which one hour a week would be used for a joint program between the Department of Surgery and two or more of the preclinical departments in the basic sciences; one quarter of medicine, including one-half day a week for psychiatry; and one quarter of pediatrics, including six hours for pediatric ophthalmology, six hours for pediatric otolaryngology, and one half-day each week for psychiatry.

The senior year would consist of four quarters. One quarter would consist of a clerkship in obstetrics and gynecology. A second quarter would be devoted to six weeks of medical clerkship and six weeks of surgical clerkship, including orthopaedics and anesthesiology. During both the surgical and medical clerkships of this quarter, the students would have one half-day period a week of preventive medicine. A third quarter would be devoted to outpatient department clerkships in dermatology, medicine, psychiatry, surgery, and a period for surgical anatomy. The final quarter would be devoted to opportunities for alternative programs. All students would be required to be actively and intellectually engaged in pursuits related to the subject matter of medicine. This requirement might be fulfilled by research and/or advanced study in the Graduate College.

This curriculum will provide for a lecture program in the clinical subjects to be distributed in accord with the recommendations of the Committee on Instruction as approved by the faculty of the College of Medicine.

Summary

This curriculum was formulated by the Committee on Instruction and endorsed with minor changes by the Executive Committee of the College of Medicine prior to approval by the Senate of the Chicago Professional Colleges. It may be pointed out that the changes in schedule embodied in this recommended curriculum will provide for the fuller use on a twelve-month basis of the clinical facilities (outpatient and inpatient services) of the teaching hospitals included in the University of Illinois Research and Educational Hospitals.

As stated in the opening paragraph, it is proposed that the effective date of the additional quarter to the senior year's program be in 1961 so that it will affect only those students now in their first year and, of course, all future incoming students. If the curriculum is approved, the College of Medicine will notify students accepted for enrollment in the fall of 1959 and applicants for admission in subsequent years. Since it is possible for students in good standing to seek transfer to other medical schools during their sophomore year, it is unlikely that any student whose study of medicine would be seriously jeopardized by eliminating the opportunity for summer employment between the junior and senior year would be seriously handicapped by making the change in requirements effective in 1961.

This revised curriculum has been reviewed by the Senate Coordinating Council which has indicated that no other Senate jurisdiction is involved.

I recommend authorization of this curriculum, and that its implementation be subject to the availability of funds.

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

CURRICULUM IN PHARMACY

(9) The Chicago Professional Colleges Senate recommends authorization of a revised curriculum in Pharmacy leading to the degree of Bachelor of Science in Pharmacy which will add a fifth year to the present curriculum, effective with the class entering in the fall of 1960. This change is in accord with the recommendation of the American Council on Pharmaceutical Education.

Admission Requirements

To qualify for admission to the College of Pharmacy, an applicant must be a graduate of an accredited secondary school, or have equivalent preparation, and have satisfactorily completed not less than thirty semester hours or forty-five quarter hours of academic work, exclusive of hygiene, physical education, or military science, in an accredited college, junior college, or university.

College Requirements

College work submitted to meet the entrance requirements of the College of Pharmacy must include the listed minimum credit in the following courses: Inorganic Chemistry, including Qualitative Analysis, eight semester hours; College Algebra, three semester hours; Plane Trigonometry, two semester hours; English Composition, six semester hours.

Courses elected to complete the required thirty semester hours should not include courses offered in the College of Pharmacy, but should be selected to increase the social and cultural background of the student. If credit in courses required in the College of Pharmacy curriculum is used for admission, the student must elect an equivalent number of hours in elective courses.

Applicants entering from institutions other than the University of Illinois must have a grade-point average of at least 3.0 in terms of the grading system of the University of Illinois. Students entering the College of Pharmacy from other colleges within the University of Illinois must be eligible for continued registration in that college. An applicant who is otherwise qualified but whose grade-point average for his last semester is less than 3.0 will be admitted on a probationary status. Students who have been dropped for poor scholarship at the last institution they attended will not be eligible for admission to the College of Pharmacy.

Requirements for Graduation

Completion of the prescribed curriculum totaling 189 quarter hours comprising 162 quarter hours in subjects required of all students and twenty-seven quarter hours in approved elective courses. The general requirement of the University of Illinois with respect to grade-point averages to be achieved shall be observed.

This revised curriculum has been reviewed by the Senate Coordinating Council which has indicated that no other Senate jurisdiction is involved.

Submitted herewith is a statement from the Dean of the College of Pharmacy explaining the objectives of the new curriculum, a copy of which is being filed with the Secretary of the Board for record. A summary of the complete curriculum will also be filed with the Secretary of the Board for record.

I recommend authorization of this curriculum and that its implementation be subject to the availability of funds.

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

GRADUATE PROGRAM IN FINANCE

(10) The Urbana Senate recommends authorization of a program leading to the degree of Doctor of Philosophy in Finance. The Department of Economics formerly offered graduate work in finance before the Department of Finance was established in 1957, and the new program now recommended is therefore a consequence of the division of Economics into separate departments.

Admission Requirements

A scholastic average of at least 3.5 for the last sixty semester hours; at least twenty-seven hours of undergraduate work in social sciences, fifteen hours of which must have been in economics (including a course in principles of economics, a course in statistics, and other courses for which the course in principles is a prerequisite); sufficient background in the area of finance and related fields.

Degree Requirements

General requirements specified by the Graduate College including credit, residence, foreign languages, the preliminary and final examinations, and thesis.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved in this question.

I concur.

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

GRADUATE SCHOOL OF LIBRARY SCIENCE

(11) The Dean of Library Administration and Director of the Library School recommends, and the Executive Committee of the Graduate College concurs, that the name of the Library School be changed to the Graduate School of Library Science. This change in name is appropriate as the Library School offers instruction at the graduate level and will be an educational part of the Graduate College.

I concur.

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

GRADUATE PROGRAM IN PHYSICAL EDUCATION

(12) The Urbana Senate recommends authorization of a graduate program in Physical Education leading to the degree of Master of Arts in Dance.

This program will offer advanced work in choreography, dance production, and pedagogy with some specialization in the related fields of art, drama, and music. It will be an interdisciplinary project involving, in addition to Physical Education, the Departments of Art and Speech and the School of Music.

Admission Requirements

A minimum grade average of 3.5 during the last sixty semester hours of undergraduate work completed;

Twenty-four semester hours of approved undergraduate credit in dance (a minimum of eight hours in this field), art, music, physical education, and theater. Applicants lacking a portion of these prerequisites may substitute certified experience in dance but not to exceed eight semester hours;

Thirty-six semester hours in humanities (language, literature, philosophy), natural sciences (biological and physical sciences), and social sciences (anthropology, education, history, political science, psychology, sociology).

Degree Requirements

The general requirements of the Graduate College must be met. Of the eight units required for the master's degree, four must be in dance or in dance and related areas such as art, dramatics, music, physical education, recreation, and speech; two units must be in one or more of the following fields: anthropology, English, history, philosophy, psychology, or sociology. A candidate for this degree must also take Dance 490, Seminar, for one semester (no credit); and must present an acceptable thesis. With the approval of the adviser, the thesis may be waived, but in lieu thereof, the candidate must submit two additional units of credit plus a recital of solo and group dances which he has choreographed and staged.

The Senate Coordinating Council has indicated that no other Senate jurisdiction is involved in this question.

I concur.

On motion of Mrs. Watkins, this recommendation was approved; Mr. Herrick voted no.

LIMITATIONS ON GRADUATE STUDY OF UNIVERSITY EMPLOYEES

(13) University regulations specify the maximum amount of graduate study for which teaching and research staff may enroll. However, the Board of Trustees on September 18, 1956, authorized, for the three-year period 1956-59, a special discretionary schedule of graduate work which may be approved in exceptional cases by the Graduate College.

The Dean of the Graduate College recommends, and the Vice-President and Provost and I concur, that this authorization of exceptions to the standard schedule be extended to September, 1963.

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

DEPARTMENT OF MICROBIOLOGY

(14) The faculty of the College of Liberal Arts and Sciences recommends that the Department of Bacteriology be changed to Department of Microbiology. A similar change was made in the name of the Department of Bacteriology in the College of Medicine in 1957.

The Urbana Senate Committee on Educational Policy has also approved the change and has expressed the opinion that Senate action is not required.

I concur.

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

**HOSPITAL-MEDICAL-SURGICAL INSURANCE
FOR STUDENTS AND STAFF**

(15) Bids have been received for the student and staff hospital-medical-surgical insurance programs at Urbana-Champaign and at the Chicago Undergraduate Division for the 1959-61 biennium with the right reserved by the University to renew such insurance annually thereafter upon mutual agreement between the insurance carrier and the University.

The recommended student program at the Urbana campus provides the following improved benefits over existing coverages:

The per diem room and board allowance is increased from \$11.00 to \$14.00 except for confinements at McKinley Hospital where \$11.00 will continue to apply. Benefits for surgical procedures involving dislocations, fractures, and joint and bone operations are increased by one-third.

Maternity benefits are increased from \$85.00 to \$100.00.

The recommended student program at the Chicago Undergraduate Division to meet the special problems there provides these improvements in benefits over present coverages:

The per diem room and board allowance is increased from \$15.00 to \$18.00.

Daily allowance for physician's visits is increased from \$4.00 to \$5.00.

Benefits for surgical procedures involving dislocations, fractures, and joint and bone operations are increased by one-third.

Catastrophe benefit is to be payable after the insured pays 25 per cent, rather than 50 per cent, of the amount allowed under the base plan coverage.

Maternity benefits are increased from \$85.00 to \$100.00.

Office calls at \$2.00 each to maximum of \$10.00 added under the clause covering illness where hospitalization is not required.

The recommended staff plan has benefits improved in the following areas:

The per diem room and board allowance is increased from \$10.00 to \$14.00.

Daily allowance for physician's visits is increased from \$3.00 to \$4.00.

Benefits for surgical procedures involving dislocations, fractures, and joint and bone operations are increased by one-third.

Allowance is to be made for charges of private, registered nurses in catastrophe claims.

Maternity benefits are increased from \$85.00 to \$100.00.

Bids were also received as an alternate on the present benefits under all three plans. The improved plans are recommended because of the greater benefits to be realized for a nominal additional premium, which give a greater insurance value.

Three companies submitted bids: Bankers Life and Casualty Company, the present carrier, Continental Casualty Company, a former carrier, and Federal Life Insurance Company, which has never quoted in the past, and which submitted the lowest bids for each of the plans and alternates asked by the University.

It is recommended that contracts for the Urbana student, Chicago Undergraduate Division student, and Urbana staff plans be awarded to Federal Life Insurance Company, lowest bidder for each of the three programs.

To finance the student plans, it is recommended that the Hospital-Medical-Surgical Insurance fee be increased from \$7.00 to \$8.00 a semester and that the Laboratory, Library, and Supply fee be decreased from \$11.00 to \$10.00 a semester. The Committee on Fees concurs in this recommendation.

The recommended charges to students and staff for this insurance protection would reflect the following premiums:

<i>Student Plan</i>	<i>Semester</i>	<i>Year</i>	
Student.....	\$ 8 00	\$24 00	
Spouse.....	12 00	36 00	
Children.....	8 00	24 00	
<i>Staff Plan</i>	<i>Quarterly</i>	<i>Semiannual</i>	<i>Annual</i>
Employee.....	\$ 8 25	\$16 25	\$33 25
Employee and One Dependent.....	15 00	29 75	59 25
Family.....	17 50	34 75	69 25

On the basis of these rates, the plans will operate on a self-sustaining basis. The excess over the cost of the coverage would be used by the University to defray the administrative cost of the three programs.

I concur in the recommendation for the award of these contracts.

On motion of Mr. Herrick, these contracts were awarded as recommended.

EASEMENT FOR GAS PIPE LINE TO MARRIED STUDENTS APARTMENTS

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend that an easement ten feet wide beginning at Orchard Street and Florida Avenue, Urbana, and continuing around the site of the married students apartments, be granted the Illinois Power Company to lay, operate, and maintain a pipe line for delivery of gas to the buildings.

I recommend that the Comptroller and the Secretary of the Board be authorized to execute such an easement.

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

FINANCING OF RESIDENCE HALL FOR GRADUATE STUDENTS

(17) Bids were received at 11:00 a.m. today, June 23, for the sale of Housing Revenue Bonds of 1959, to finance the construction of the first unit of residence halls for single graduate students.

No bids were received from private companies for the Series B bonds in the amount of \$1,530,000. One bid was received for \$110,000 Series A bonds.

The Vice-President and Comptroller recommends that:

1. The Loan Agreement with the Housing and Home Finance Agency, as submitted herewith, be approved and that the action of the Comptroller and Secretary in executing the Loan Agreement be ratified and confirmed.
2. The Series A bonds in the amount of \$110,000 be sold to White, Weld and Company at a price of \$107,000.05 and at an effective interest rate of 4.2156 per cent, which represents the lowest interest cost to the University.
3. The \$1,530,000 of Series B bonds be sold to the Housing and Home Finance Agency at an interest cost of 2½ per cent in accordance with, and pursuant to, the above mentioned Loan Agreement.
4. The construction contract for \$1,349,000 be awarded to Felmley-Dickerson Company, Urbana.
5. The advance of Housing Division reserves to finance construction prior to the delivery of bonds, as authorized by the Board on April 14, be increased from \$100,000 to \$200,000 in order that the contractor may proceed with construction.
6. All actions of the Comptroller in connection with the loan application and advertisements for bid on the bonds be confirmed and approved.
7. The firm of Chapman and Cutler be retained as bond counsel for this issue.
8. The First Supplemental Housing Revenue Bond Resolution as submitted herewith be approved.

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

First Supplemental Housing Revenue Bond Resolution

Supplementing Resolution Approved December 17, 1958, and Creating \$110,000 Housing Revenue Bonds of 1959, Series A, and \$1,530,000 Housing Revenue Bonds of 1959, Series B.

A RESOLUTION CREATING AND AUTHORIZING THE ISSUE, AUTHENTICATION, AND DELIVERY OF \$110,000 HOUSING REVENUE BONDS OF 1959, SERIES A, AND \$1,530,000 HOUSING REVENUE BONDS OF 1959, SERIES B, AND SUPPLEMENTING A RESOLUTION DULY ADOPTED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS ON DECEMBER 17, 1958.

WHEREAS, The Board of Trustees of the University of Illinois, on due consideration and investigation, does now find and determine that it is advisable and necessary and in the interests of the University of Illinois and the welfare of its students and faculty to construct and equip additional buildings and related facilities for the purpose of housing its students and staff; and

WHEREAS, in order to provide such facilities it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1957, and all laws amendatory thereof and supplemental thereto; and

WHEREAS, The Board of Trustees of the University of Illinois on December 17, 1958, did duly adopt a resolution (herein sometimes called "Original Resolution") providing for the issuance of revenue bonds and under the terms of said Original Resolution did create and issue an initial issue of Bonds in the aggregate principal amount of \$3,150,000 consisting of Bonds designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1958, Series A," and "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1958, Series B," in the principal amounts of \$1,625,000 and \$1,525,000, respectively; and

WHEREAS, The Board of Trustees of the University of Illinois now desires to create and to authorize the issue, authentication and delivery of an additional issue of Bonds under and in accordance with the Original Resolution as supplemented by this First Supplemental Resolution thereto which additional Bonds are to be limited to the aggregate principal amount of \$1,640,000 at any one time outstanding, \$110,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1959, Series A" (hereinafter called "1959 Series A Bonds") and \$1,530,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1959, Series B" (hereinafter called "1959 Series B Bonds").

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois:

ARTICLE ONE**SUPPLEMENTARY PROVISIONS RELATING TO INCOME AND THE APPLICATION THEREOF**

SECTION 1.1. Pledge of Revenues. The pledge of the revenues (including the revenues to be derived from the operation of Project B hereinafter mentioned) contained in Section 5.01 of the Original Resolution is hereby ratified and confirmed and all revenues to be derived from the operation of Project B are hereby specifically pledged for the purposes mentioned in said Section 5.01 of the Original Resolution.

SECTION 1.2. Supplementation of Revenues. It is hereby determined by the Board of Trustees and it is hereby covenanted that in view of the additional issue of Bonds to be outstanding it is necessary to supplement the revenues to be derived from the facilities by a further use of student tuitions which are authorized by law to be retained in the Treasury of the University and therefore the limitation contained in clause (b) of Section 5.03 of the Original Resolution be and the same is hereby increased by an amount equal to \$35,000 so that such supplementation shall henceforth be an amount not to exceed in any one fiscal year the lesser of (a) an amount which when added to the revenues to be derived from the facilities will be sufficient to meet the annual operating expenses of the facilities and to provide for the payments required to be made into the Bond and Interest Sinking Fund established for the benefit of the Bonds in

subsection (b) of Section 5.02 of the Original Resolution, or (b) \$150,000 plus such additional sums as may be specified in any other resolution supplemental to the Original Resolution as supplemented hereby, creating or authorizing the issuance of additional Bonds.

ARTICLE TWO

1959 SERIES A BONDS AND 1959 SERIES B BONDS, AND THE ISSUANCE THEREOF

SECTION 2.1. *Project B and Purpose of Issue of Bonds.* The project (hereinafter designated "Project B") to be acquired, constructed, equipped and completed pursuant to this First Supplemental Resolution is described in a general way as:

A seven-story residence hall with a three-story wing, without dining facilities, to house approximately 307 single graduate students to be located at 1010 West Green Street, Urbana, Illinois.

The estimated cost of said Project B is \$1,640,000 exclusive of land and exclusive of any pro rata share of the University power and heating plant serving the project and the estimated cost of each portion of said Project B is more fully set forth in the plans and specifications therefor on file with the Comptroller of the University.

It is hereby determined that in order to produce the funds necessary to construct and equip Project B that the University borrow the sum of \$1,640,000 and in evidence thereof to issue its Housing Revenue Bonds hereunder in said principal amount.

SECTION 2.2. *Terms of 1959 Series A Bonds and 1959 Series B Bonds.* There is hereby created and authorized two additional series of Bonds to be issued under the Original Resolution as supplemented by this First Supplemental Resolution to be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of One Million Six Hundred Forty Thousand Dollars (\$1,640,000) at any one time outstanding. One Hundred Ten Thousand Dollars (\$110,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1959, Series A" (hereinafter called "1959 Series A Bonds"), and the remaining One Million Five Hundred Thirty Thousand Dollars (\$1,530,000) principal amount thereof shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1959, Series B" (hereinafter called "1959 Series B Bonds").

The 1959 Series A Bonds and the 1959 Series B Bonds shall be issued as negotiable coupon Bonds dated April 1, 1959, registrable as to principal in the denomination of \$1,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to October 1, 1959, in which case they shall be dated April 1, 1959. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons, shall be numbered in such manner satisfactory to the Trustee as may be designated by the Comptroller and shall be issued in denominations of \$1,000 or multiples thereof, shall bear interest from April 1, 1959, payable semi-annually on the first days of April and October in each year until paid, commencing October 1, 1959, at the rates provided below and shall mature in the following amounts on October 1 of the following years:

Year of Maturity	1959 Series A Bonds		1959 Series B Bonds	
	Amount	Interest Rate	Amount	Interest Rate
1961.....	\$ 10,000	5%	\$ 15,000	2 ³ / ₈ %
1962.....	10,000	5%	15,000	2 ³ / ₈ %
1963.....	10,000	5%	15,000	2 ³ / ₈ %
1964.....	10,000	5%	15,000	2 ³ / ₈ %
1965.....	10,000	5%	15,000	2 ³ / ₈ %
1966.....	15,000	5%	15,000	2 ³ / ₈ %
1967.....	15,000	5%	15,000	2 ³ / ₈ %
1968.....	15,000	2%	15,000	2 ³ / ₈ %
1969.....	15,000	2%	15,000	2 ³ / ₈ %
1970.....	30,000	2 ³ / ₈ %
1971.....	30,000	2 ³ / ₈ %

<i>Year of Maturity</i>	<i>1959 Series A Bonds</i>		<i>1959 Series B Bonds</i>	
	<i>Amount</i>	<i>Interest Rate</i>	<i>Amount</i>	<i>Interest Rate</i>
1972.....	\$	\$ 30,000	2 7/8%
1973.....	35,000	2 7/8%
1974.....	35,000	2 7/8%
1975.....	35,000	2 7/8%
1976.....	35,000	2 7/8%
1977.....	40,000	2 7/8%
1978.....	40,000	2 7/8%
1979.....	40,000	2 7/8%
1980.....	40,000	2 7/8%
1981.....	45,000	2 7/8%
1982.....	45,000	2 7/8%
1983.....	45,000	2 7/8%
1984.....	45,000	2 7/8%
1985.....	50,000	2 7/8%
1986.....	50,000	2 7/8%
1987.....	50,000	2 7/8%
1988.....	50,000	2 7/8%
1989.....	55,000	2 7/8%
1990.....	55,000	2 7/8%
1991.....	55,000	2 7/8%
1992.....	60,000	2 7/8%
1993.....	60,000	2 7/8%
1994.....	65,000	2 7/8%
1995.....	65,000	2 7/8%
1996.....	70,000	2 7/8%
1997.....	70,000	2 7/8%
1998.....	70,000	2 7/8%
	<u>\$110,000</u>		<u>\$1,530,000</u>	

The 1959 Series A Bonds are not subject to redemption prior to maturity. The 1959 Series B Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on April 1, 1969, or on any interest payment date thereafter in the inverse order in which they mature at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1969 through October 1, 1973.....	3 %
April 1, 1974 through October 1, 1978.....	2 1/2 %
April 1, 1979 through October 1, 1983.....	2 %
April 1, 1984 through October 1, 1988.....	1 1/2 %
April 1, 1989 through October 1, 1993.....	1 %

All redemptions made on and after April 1, 1994, shall be without premium and all redemptions shall be made in the manner, upon the notice and with the effect provided in Article Three of the Original Resolution.

SECTION 2.3. *Payment of Principal and Interest.* Both the principal of and the interest on the 1959 Series A and 1959 Series B Bonds shall be payable in any coin or currency which on the respective date of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, or its successor, in the City of Chicago, Illinois, or, at the option of holders at The Chase Manhattan Bank, or its successor, in the Borough of Manhattan and City and State of New York.

SECTION 2.4. *Form of Bonds.* The definitive coupon Bonds of 1959 Series A and 1959 Series B, the interest coupons to be attached thereto, the form of fully registered Bonds without coupons of 1959 Series A and 1959 Series B, shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in series, number, interest rate, maturity and like matters:

(Form of Coupon Bond)
 UNITED STATES OF AMERICA
 STATE OF ILLINOIS
 THE BOARD OF TRUSTEES OF THE UNIVERSITY OF
 ILLINOIS HOUSING REVENUE BOND OF 1959
 (Series.....)

Number.....

\$1,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Housing Revenue Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of ONE THOUSAND DOLLARS (\$1,000), on October 1, 19....., and to pay interest on said sum from the date hereof until paid at the rate of per cent (.....%) per annum, payable October 1, 1959, and semi-annually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hercof unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of Dollars (\$.....) principal amount of Housing Revenue Bonds of 1959, Series, which, with the 1959 Series Bonds constitute an issue of One Million Six Hundred Forty Thousand Dollars (\$1,640,000), issued and to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by a First Supplemental Resolution duly adopted, 1959 (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

(1959 Series A Bonds Only)

[The bonds of this series are not subject to redemption at the option of The Board of Trustees of the University of Illinois prior to maturity.]

(1959 Series B Bonds Only)

[The bonds of this series are redeemable prior to maturity as a whole or in part on April 1, 1969, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if redeemed April 1, 1969, through October 1, 1973; two and one-half per cent (2½%) of the principal amount thereof if redeemed April 1, 1974, through October 1, 1978; two per cent (2%) of the principal amount thereof if redeemed April 1, 1979, through October 1, 1983; one and one-half per cent (1½%) of the principal amount thereof if redeemed April 1, 1984, through October 1, 1988; one per cent (1%) of the principal amount thereof if redeemed on April 1, 1989, through October 1, 1993; and without premium if redeemed on April 1, 1994, or thereafter.]

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper published and of general circulation in the City of Chicago and also in a financial newspaper published and of general circulation in the

Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption moneys are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1957, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$150,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Trustee in Chicago, Illinois, such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made on such books by the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer hereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, the Trustee, and any paying agent may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$1,000 and as registered bonds without coupons in the denomination of \$1,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-

thirds per cent (66⅔%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and signed by two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of April, 1959.

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

Attest:	By:
<i>Secretary</i>	<i>President</i>
..... <i>Member</i> <i>Member</i>

(Form of Interest Coupon)

Number..... \$.....

On the first day of, 19..... (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of..... Dollars (\$.....) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan

Bank, in the Borough of Manhattan and City and State of New York, as provided in the Housing Revenue Bond of 1959, Series _____, dated _____, 1959, Number _____

Secretary

President

(Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA

STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY
OF ILLINOIS HOUSING REVENUE BOND OF 1959

(Series.....)

No.

\$.....

The Board of Trustees of the University of Illinois, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Housing Revenue Bond Fund as hereinafter provided for, and not otherwise) to _____ or registered assigns, on October 1, 19____, the principal sum of _____ Dollars (\$.....) and to pay interest thereon which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the Trustee hereinafter mentioned as Bond Registrar, at the rate of _____ per cent (.....%) per annum, payable October 1, 1959, and semi-annually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are made payable in any coin or currency which on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at The First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan Bank in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of _____ Dollars (\$.....) principal amount of Housing Revenue Bonds of 1959, Series _____, which with the Series _____ Bonds constitute an issue of One Million Six Hundred Forty Thousand Dollars (\$1,640,000), issued and to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by a First Supplemental Resolution duly adopted _____, 1959 (said Bond Resolution as so supplemented being herein referred to as the "Resolution") for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

(1959 Series A Bonds Only)

[The bonds of this series are not subject to redemption at the option of The Board of Trustees of the University of Illinois prior to maturity.]

(1959 Series B Bonds Only)

[The bonds of this series are redeemable prior to maturity as a whole or in part on April 1, 1969, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if redeemed April 1, 1969, through October 1, 1973; two and one-half per cent (2½%) of the principal amount thereof if redeemed April 1, 1974, through October 1, 1978; two per cent (2%) of the principal amount thereof if redeemed April 1, 1979, through October 1, 1983; one and one-half per cent (1½%) of the principal amount thereof if redeemed April 1, 1984, through October 1, 1988; one per cent (1%) of the principal amount thereof if redeemed April 1, 1989, through October 1, 1993; and without premium if redeemed April 1, 1994, or thereafter.]

Notice of redemption of any or all of said bonds shall be published once a

week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper of general circulation published in the English language in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption moneys are available for payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1957, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Housing Revenue Bond Fund as provided in the Resolution, which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue, bonds heretofore issued pursuant to said Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$150,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or of the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and shall be transferable by the registered owner at the principal office of the Trustee in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution, upon payment of the transfer charges therein prescribed. The Board of Trustees of the University of Illinois, the Trustee and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$1,000 and as registered bonds without coupons in the denomination of \$1,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the principal office of the Trustee in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent ($66\frac{2}{3}\%$) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums, if any, at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder, or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the

Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons, or (iv) reduce the percentage of principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and signed by two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and this bond to be dated as of the 1st day of _____, 19_____.

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

Attest:	By
<i>Secretary</i>	<i>President</i>
.....
<i>Member</i>	<i>Member</i>

ARTICLE THREE

MISCELLANEOUS

SECTION 3.1. *Separate Construction Funds and Application of Bond Proceeds.* The Board of Trustees hereby determines that Project B will become revenue producing on or about September 30, 1960 and therefore that portion of the proceeds of the 1959 Series A Bonds and 1959 Series B Bonds representing the interest accrued on such Bonds to the date of payment therefor shall, together with an amount equal to the interest to accrue on such Bonds through September 30, 1960 shall be deposited with the Trustee in the Bond and Interest Sinking Fund account as required by Section 6.01 of the Original Resolution.

The balance of said proceeds of the 1959 Series A Bonds and the 1959 Series B Bonds, respectively, shall, as required by Section 6.01, be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation and shall be, respectively, accounted for as two separate funds to be designated "Construction Fund Account 1959 A" and "Construction Fund Account 1959 B." The application of the funds in such accounts and the disposition thereof shall in all respects comply with all the terms and provisions of Article Six of the Original Resolution, subject to the terms and provisions of any contract or agreement permitted by or contemplated in said Article Six between the Board of Trustees and any original purchaser of such Bonds.

SECTION 3.2. *Interpretation and Construction.* This First Supplemental Resolution is supplemental to and is adopted in accordance with Sections 2.06 and 4.02

of the Original Resolution. In all respects not inconsistent with this First Supplemental Resolution, the Original Resolution is hereby ratified, approved and confirmed, and all of the definitions, terms, covenants and restrictions of the Original Resolution shall be applicable to the additional Bonds authorized by this First Supplemental Resolution and the proceeds thereof except as otherwise expressly provided. All of the terms and provisions of this First Supplemental Resolution shall be deemed to be a part of the terms and provisions of the Original Resolution, and the Original Resolution and this First Supplemental Resolution shall be read, taken and construed as one and the same instrument. In executing or authenticating any Bond authorized by this First Supplemental Resolution the Trustee and each officer, agent or employee of the University shall be entitled to all of the privileges and immunities afforded to them under the terms of the Original Resolution.

SECTION 3.3. *Resolution Effective on Passage.* This resolution shall become effective upon its passage.

President
 Attest: -----

Secretary

STATE OF ILLINOIS }
 COUNTY OF CHAMPAIGN } ss.

I, -----, do hereby certify that I am the duly elected, qualified and acting Secretary of The Board of Trustees of the University of Illinois, and as such official have charge and custody of the minutes and records of said Board of Trustees.

I further certify that the attached resolution is a true, correct and exact copy of the original resolution adopted by The Board of Trustees of the University of Illinois at its legally convened meeting held on the ----- day of -----, 19-----, all as appears of record in my office.

IN WITNESS WHEREOF I have hereunto set my hand and the seal of said University this ----- day of -----, 19-----.

Secretary as aforesaid.

RENEWAL OF ILLINI CENTER LEASE

(18) The Vice-President and Comptroller recommends renewal of the lease with the LaSalle Madison Hotel Company for the area on the twentieth floor of the hotel used as the Illini Center for two years from July 1, 1959. The rental rate of \$7,800 a year and all the other provisions are the same as in the present lease.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute the lease.

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

LEASES OF SPRINGFIELD, BELLEVILLE, AND PEORIA OFFICES OF DIVISION OF SERVICES FOR CRIPPLED CHILDREN

(19) The Business Manager of the Chicago Colleges and the Vice-President and Comptroller recommend renewal of leases for office quarters occupied by the Division of Services for Crippled Children as follows:

Springfield. Offices at 1105 South Sixth Street, Mr. and Mrs. Jacob E. Reisch, owners, at a rental of \$550 a month (total, \$13,200) for two years from July 1, 1959.

Belleville. Offices at 10 West Washington Street, Security Abstract and Title Company, owners, at a rental of \$260 a month (total, \$6,240) for two years from July 1, 1959.

Peoria. Offices in the Central National Bank Building, Central National Bank and Trust Company, owners, at a rental of \$270 a month (total, \$6,480) for two years from July 1, 1959.

The lease for the Springfield office provides for an increase in rent of \$50 per month or \$1,200 for the biennium. The premises have been under lease by the University for the Division of Services for Crippled Children since 1946 at a rental of \$500 a month, and the lease for the coming biennium is the first rent increase. Officers of the Division of Services for Crippled Children report there has been an increase of approximately \$600 a year in taxes paid by the owners since 1946, and the costs of maintenance and repair of the property have also risen. The property was a private home which was converted to office space, and the Division first had only about 4,000 square feet of space. However, additions to the property and a refurbishing of space which was not usable have been made by the owners so that at the present time the Division uses approximately 7,600 square feet of space on the premises. For these reasons, the increase in rent requested by the owners is justified.

The terms of the new leases at Belleville and Peoria are the same as those in effect in previous leases.

The Division has funds in its budget for the rentals.

The Acting Director of the Division of Services for Crippled Children and the Vice-President in charge of the Chicago Professional Colleges concur in these recommendations.

I recommend approval.

On motion of Mrs. Watkins, the renewals of these leases, on the terms indicated, was authorized by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Stratton, Mr. Wilkins.

SUPPLEMENTAL APPROPRIATIONS

(20) Appropriations for wages, expense, and equipment for the current year are inadequate in many departments. The Vice-President and Comptroller and the Vice-President and Provost recommend the following supplemental appropriations:

Security Office	\$ 5 300
Civil Engineering	2 500
Library Additions, Urbana.....	20 000
Zoology.....	4 000
Physical Plant Operation, Urbana.....	18 000
(Through reassignment of funds for Champaign County Regional Planning)	
Statistical Service Unit, IBM 650 Rental.....	12 227
(From Indirect Costs general)	
Chicago Undergraduate Division, Engineering.....	5 300
Chicago Undergraduate Division, Radioisotope Laboratory.....	2 591
Special Legal Services.....	8 100
Admissions and Records, Urbana.....	6 329
<i>Total</i>	<u>\$84 347</u>

I concur.

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

CONTRACT FOR CONSTRUCTION OF COOLING TOWER

(21) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$77,620, subject to availability of funds in the state appropriations for 1959-61, to Fluor Products Company, Oak Park, the lowest bidder, for the construction of a cooling tower for an addition to the Abbott Power Plant.

I concur.

On motion of Mr. Swain, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Herrick, Mr. Hughes,

Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Stratton, Mr. Wilkins.

CONTRACT FOR PLASTERING AND ACOUSTICAL WORK

(22) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract to Harry F. Fisher, Urbana, the lowest bidder, for plastering, patching repairs, and acoustical installations, work to be done as needed, for the fiscal year beginning July 1, 1959, on the basis of the following terms: \$2.00 an hour for trucking of equipment and materials for actual time used solely for transportation, provided that not over 10 per cent of one job will be charged to trucking costs, unless the total costs are \$25.00 or less; contractor's fee of 16 per cent of all job costs when project costs exceed \$25.00.

I concur.

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

CONTRACT FOR FURNACE MAINTENANCE AND REPAIRS IN HOUSING UNITS

(23) The Director of Housing, the Director of the Physical Plant, and the Vice-President and Comptroller recommend award of a contract to J. R. Boers Heating Company, Champaign, the lowest bidder, for furnace maintenance and repair work in the individual housing units operated by the University at Urbana-Champaign. This contract is for the fiscal year beginning July 1, 1959, to provide for services as required, payments to be made at the following rates which are those in effect during the current fiscal year ending June 30, 1959:

Labor Rates	<i>Straight Time</i>	<i>Overtime</i>
Furnace Mechanic.....	\$2 00	\$3 00
Mechanic's Helper.....	1 40	2 20
Contractor's Fee		
For Labor.....		30 per cent
For Materials.....		30 per cent

Labor rates are subject to adjustment for changes in rates paid generally by the contractor to his workmen for similar work with right of cancellation of the contract reserved by the University if such changes do not meet with its approval.

Funds are available in the income of the Housing Division.

I concur.

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

CONTRACT FOR INSTALLATION OF PERMANENT SEATING IN THE ASSEMBLY HALL

(24) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$253,300, the base bid, to the American Seating Company of New York City, the lowest bidder, for installation of the permanent seating, consisting of 17,000 plastic seats, in the Assembly Hall, the contract to include a provision that all seat standards will be drilled, tapped, and tapped holes plugged with a slotted head bolt flush with the surface of the seat standard, to facilitate installation of arms to seat assemblies later if and when desired. The contract further provides that at a later date either or both of two alternates may be accepted, provided the American Seating Company is notified in sufficient time that added costs will not be involved. These alternates provide for the installation of 4,472 upholstered seats for the theater quadrant at an additional cost of \$21,242, and the installation of arms to these theater seats at an additional cost of \$19,900.

Provision for the seating is included in the Assembly Hall project budget.

I concur.

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

CONTRACT FOR REROOFING WEST-END BAND OF ARMORY

(25) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$16,162 to the Overly Manufacturing Company, Greensburg, Pennsylvania, the lowest bidder, for roofing of the large west-end band of the Armory which was not included in a previous contract for reroofing of the Armory.

Funds are available in the state capital appropriations to the University for 1957-59.

I concur.

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

CONTRACT FOR ISOLATION BUILDING ON VETERINARY RESEARCH FARM

(26) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$9,322.66 to D. E. MacMillan Associates, Champaign, the lowest bidder, for construction of an isolation building on the Veterinary Research Farm. The contract price is determined by taking the low base bid of \$12,377 and deducting one of four alternates which provides for the omission of a septic tank. The tank is being redesigned, and the College of Veterinary Medicine wishes to defer its installation until next year.

Funds are available.

I concur.

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

CONTRACT FOR REMODELING OF VETERINARY RESEARCH BARN

(27) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$10,148 to Oran L. Shoemaker and Company, Champaign, the lowest bidder, for the remodeling and improvement of the College of Veterinary Medicine Research Barn Number Two.

Funds are available.

I concur.

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

CONTRACT FOR CONSTRUCTION OF ADDITION TO HORTICULTURE FIELD LABORATORY

(28) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract to Harshbarger Building and Supply Company, Urbana, the lowest bidder, for \$8,738.65 for the construction of an addition to the present metal building southeast of, and attached to, the Horticulture Field Laboratory. This will provide much needed laboratory and storage space for the Department of Horticulture.

Funds are available.

I concur.

On motion of Mr. Hughes, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Herrick, Mr. Hughes,

Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Stratton, Mr. Wilkins.

CONTRACT WITH BROWN, MANTHEI, DAVIS, AND MULLINS

(29) The Director of the Physical Plant and the Vice-President and Comptroller recommend a new contract with Brown, Manthei, Davis, and Mullins, Champaign, for engineering services on heating, ventilating, air conditioning, and electrical work for University improvement and maintenance jobs which, because of the small amount of work to be done, do not justify separate contracts for each. The new contract will include the following terms and will be for two years from July 1, 1959:

Services of principals in the firm to be paid for at the rate of \$7.50 an hour.

Services of other personnel to be paid at hourly wage rates paid by the firm for regular or overtime work.

Services performed on overtime basis to be paid for at the regular hourly rates unless such overtime work is specifically requested by the University and the rates are agreed upon in advance.

Payments shall be on a monthly invoice basis; before any payment is made the University may audit or otherwise verify the invoice.

The fee for services on any specific project shall not exceed \$2,500 without approval of the Board.

The contract may be terminated by the University at any time on written notice. For overhead costs and professional commission, an allowance of 100 per cent of the cost of services of the principals and employees will be added.

I concur.

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

TRACK SERVICE TO CENTRAL FOOD STORES BUILDING

(30) The University has contracted with the Illinois Central Railroad Company for the construction of a spur track from its main line south of Stadium Drive in Champaign to the Central Food Stores Building. It is now necessary to enter into an operation and maintenance agreement for this service, and adoption of the following resolution is recommended:

Be it and it is hereby resolved by this Board of Trustees of The Board of Trustees of the University of Illinois that the Comptroller and Secretary of this public corporation be, and they hereby are authorized, for and on behalf of this public corporation, to execute an agreement with the Illinois Central Railroad covering the operation, maintenance, etc., of the side track to serve the new Central Food Stores Building, which said side track is being constructed for said public corporation by said Illinois Central Railroad.

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

ADDITION TO CONTRACT FOR CONSTRUCTION OF CENTRAL FOOD STORES BUILDING

(31) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$4,108.32 in the contract with Felmley-Dickerson Company, Urbana, for the construction of the Central Food Stores Building to provide for changes in storm sewer connections.

When the contract for the construction of this building was awarded, drainage studies had not been completed for the entire area in which this building is being constructed. It has been found necessary to increase the size of the sewer along Oak Street, and to provide a new sewer line north of the building to drain the pocket created by lowering the railroad siding to facilitate unloading the freight cars.

Funds are available in the construction account for this building.

I recommend that the Comptroller be authorized to execute this change in the contract.

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

ADDITION TO CONTRACT FOR PHYSICS BUILDING

(32) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$2,682.17 in the contract with the Mayfair Construction

Company to substitute vinyl asbestos tile for asphalt tile in the upper floor corridors of the Physics Building. This tile has a longer useful life and is less subject to grease and acid contamination from adjoining shops and laboratories. Funds are available in the building appropriation for this change.

I recommend that the Comptroller be authorized to execute this change in the contract.

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

ADDITIONS TO CONTRACT FOR CONSTRUCTION OF BIOLOGY BUILDING

(33) Among the deferrable items of work omitted from the contract for the construction of the Biology Building to insure that a usable building could be built within the funds available, were the painting of all interior walls and ceiling surfaces in the laboratories and other areas, and installation of some of the air-conditioning equipment. The Governor has recently authorized the transfer of \$35,000 from the item for contingencies in the state capital appropriations to the University for 1957-59 for additional work on the Biology Building for which funds were not previously available.

Bids on interior painting were solicited by advertisement, as required by law, and twelve painting contractors were specifically invited to bid, but no bids were received. Contractors have advised that no bids were submitted because the heavy seasonal demand for painting work in the Urbana-Champaign area makes it impossible for them to employ enough painters to handle a major job of this size within the time available to complete the work. The state appropriation will lapse on September 30, and any unexpended funds must be encumbered by June 30. In view of this situation, the Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board authorize negotiations with the painting subcontractor of the Mayfair Construction Company for as much additional painting work as he can complete within the time limit, this work to be done on a change order basis.

These officers also recommend that the Board authorize negotiations with the subcontractor of the Mayfair Construction Company who installed the air-conditioning equipment for the installation of automotive stand-by equipment for temperature control in certain areas where failure of one of the two main air-conditioning systems would be serious and could result in serious damage to valuable laboratory experimentation. Additional installation would be on a negotiated change order basis. It is estimated that the total expenditures would be between \$12,000 and \$20,000.

The Physical Plant Department is unable to submit change orders with firm estimates of costs for the proposed painting work and additional air-conditioning installations prior to the Board meeting today. Hence, advance approval is requested.

I recommend that the Comptroller be authorized to execute these change orders upon certification by the Director of the Physical Plant and approval of the same by the President of the University.

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

USE OF UNIVERSITY FACILITIES BY CANDIDATES FOR PUBLIC OFFICE

(34) The University policy which has come to be known as "the political speakers ban" was established by the University Board of Trustees on December 9, 1890, when the Board resolved: "that hereafter the University buildings and grounds be not used for political purposes." Although numerous requests from University groups for a change in Board policy have been made, only one modification has been adopted. On May 19, 1955, the Board decided to allow candidates for the offices of President and/or Vice-President of the United States the use of University facilities for appearing in person to speak on the campus.

Requests for a broad change in policy on this subject have been made by the Student Senate, the University's undergraduate representative body at Urbana, in 1950; the University Senate (the University faculty), in 1951; and the Student Senate again in 1955. None of these petitions was approved by the Board. A new resolution was made by the Student Senate in April, 1959, and adopted by the Urbana University Senate in June.

None of the petitions for modification contemplated a complete removal of limitations on political speakers. The requests have been, rather, for the permitting of candidates for state or national office only, or those speaking in their behalf, who represent parties legally recognized in Illinois, to use University facilities if their appearance is sponsored by a recognized student organization, a faculty group, or a University department. Candidates for local offices would not be permitted to speak on University premises, and political rallies would not be in order. Appropriate control regulations would be promulgated by the President. The latest Student Senate resolution provides that the modification be made for a two-year trial period, after which the Board would assess the results.

The foregoing summarizes briefly the general history of the political speakers question. Substantive arguments can be advanced both in favor of modification and in favor of maintaining the status quo.

In favor of modification, it can be argued that (a) political campaigning is a part of American life which college students should be encouraged to consider carefully, and that it is inconsistent for the University to urge participation in political affairs (through such agencies as the Citizenship Clearing House) and simultaneously erect barriers to such participation; (b) appearance of political speakers in the University community negates the effectiveness of the ban because the impression is frequently left that the speech was made on University property; (c) the ban furnishes a rallying point for opposition to the Board's position, while its elimination would not be likely to result in any mass appearance of political speakers on the campus; (d) the ban can result in anomalies which alienate student respect. For example, a political candidate can buy television time and his address can be televised into the Illini Union, but he can not make the same speech in person in a University building. Similarly, a speech on the steps of the Young Men's Christian Association on Wright Street may be amplified so that students at windows in Lincoln Hall are part of the audience, but the same speech can not be delivered in the Lincoln Hall Theatre. A distinguished speaker may appear on campus at one time, but later, as a candidate, he is not allowed to do so.

On the other hand, the University is jealous of its nonpartisan and non-political position and surely must guard against any break in this pattern. It would be difficult in all instances to assure equal treatment and facilities to candidates because of previously scheduled conflicting University events. Moreover, the very arguments advanced in favor of modification can be reversed in favor of the status quo. If off-campus facilities are now virtually as convenient as University facilities, why not continue the arrangement? Again, if no frequent appearance of political speakers is expected, why should the ban be a matter of concern? Finally, no matter how close to the campus a speech is made, if it is not made on University grounds, the University has no responsibility for it.

Perhaps the basic point is that we are trying to have students understand that politics belong to the people and that the politician belongs to a calling of vital importance to the common welfare. A university ought to be able to arrange for its students to hear political speakers without becoming involved institutionally in political action.

I believe the time has come when the University of Illinois should attempt to broaden its practice in arranging for political speakers, as suggested in the resolution of the Senate of the Urbana campus, and I recommend that the Board approve that resolution, as follows:

That the Urbana-Champaign Senate of the University of Illinois favors the use, on a trial basis, of University buildings, grounds, and facilities by candidates for nomination or election to state-wide or national offices for the academic years 1959-60 and 1960-61 subject, at the end of this period, to review, revision, or repeal by the Board of Trustees.

The authorization here requested would apply to another campus of the University only with the concurrence of its Senate.

I also recommend that the President be authorized to promulgate appropriate rules and regulations consistent with those governing the appearance of other speakers on the campus and consistent with the educational objectives of the University.

Mrs. Watkins moved that this recommendation be approved.

There followed a discussion in which all the Trustees present par-

anticipated. President Henry and Vice-President and Provost Ray spoke in support of the recommended change in policy.

At the conclusion of the discussion, Mr. Herrick asked for a record vote. The following voted aye: Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Swain, Mrs. Watkins, Mr. Williamson; the following voted no: Mr. Herrick, Mr. Johnston, Mr. Pogue; Governor Stratton and Superintendent Wilkins were absent.

DISTRIBUTION OF DENTIFRICE INCOME

(35) The distribution of net income received from the ammoniated dentifrice patents as specified in the contract between the University of Illinois Foundation and the four discoverers, after reimbursing the University for research costs, is as follows: Foundation, 50 per cent; discoverers, 40 per cent, one-fourth (10 per cent) to each of the four discoverers; College of Dentistry, for research, 10 per cent.

Funds received from time to time have been distributed according to this schedule. However, \$50,000 was reserved by the Foundation to meet possible costs of litigation. On May 1, 1959, the Board of Directors of the Foundation, being of the opinion that future litigation was very improbable, authorized the distribution of this sum.

Some time ago there was established with the Foundation an endowment, the Edward C. Wach Dental Research Fund, to provide funds for further research in the College of Dentistry. Dr. Wach, one of the discoverers, offered to give his share of the \$50,000 reserve to this fund and proposed that other interested parties do likewise.

The Board of Directors of the Foundation has allocated \$5,000 of the \$25,000 received by it in this distribution to this fund, and the Dean of the College of Dentistry and the Vice-President in charge of the Chicago Professional Colleges recommend that the \$5,000 that would go to the College of Dentistry be used for the same purpose.

I concur in this recommendation.

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

PURCHASES

Purchases Authorized

(36) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase was recommended on the basis of the lowest bid.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
6,000 Western Electric type GF-45011 transistors	Digital Computer Laboratory	Western Electric Co., New York, N.Y.	\$90 000 00 f.o.b. Laurel-dale, Pa.
7,500 copies Atlas of Illinois Resources, Section II; plastic bound; inserted in metal clasp envelopes	Geography	R. R. Donnelley & Sons Co., Chicago	8 773 00 f.o.b. Urbana
One Hilger microfocus X-ray generator cubicle, complete including installation, plus X-ray tube, adjustable cathode gun, single crystal goniometer, reflection camera, 21 targets, and two spare filament sets	Mining and Metallurgical Engineering	Jarrell-Ash Co., Newtonville, Mass.	10 167 00 f.o.b. Newtonville, Mass.
One precision tool room lathe, 12½ in. swing over bed, 1½ in. collet capacity	Physics	E. L. Essley Machinery Co., Chicago	10 215 00 f.o.b. Boston, Mass.
One used Saltzman model 30WAA enlarger with motorized horizontal motion; less trade-in of one Eastman 8 x 10 projection printer	Photography	J. G. Saltzman, Inc., New York, N.Y.	3 250 00 f.o.b. Middle Village, N.Y.
One precision film reader with punch paper tape output equipped for automatic operation	Physics	Hermes Electronics Co., Cambridge, Mass.	47 000 00 f.o.b. Cambridge, Mass.

On motion of Mr. Harewood, these purchases were approved.

Purchases Recommended

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

I concur.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Cleaning and pressing approximately 3,600 Air Force R.O.T.C. uniforms and laundering approximately 7,200 shirts during the period July 1, 1959, through June 30, 1961	Air Force Science	Paris Dyeing & Cleaning Co., Champaign	\$6 300 00
4,608 lbs. ether, reagent, anhydrous A.C.S.	General Chemical Stores	Mallinckrodt Chemical Works, St. Louis, Mo.	5 488 80 f.o.b. delivered
3,840 pints acetone, reagent, A.C.S.			
3,120 pints chloroform, reagent, A.C.S.			
3,840 pints methyl alcohol, reagent, A.C.S.			
Quantities will be purchased as required for the period July 1, 1959, through June 30, 1960			
One scaler, portable, nuclear decade 100,000 counts for operation in 6 volts d.c. or 115 volts, 50-60 cycles, complete with depth moisture probe	Horticulture	Nuclear-Chicago Corp., Chicago	2 622 96 f.o.b. Urbana
One Varian model V-4012A twelve-inch electromagnet with one pair cylindrical pole caps, one pair tapered pole caps, one regulated magnet power supply, and one voltage regulator	Physics	Varian Associates, Palo Alto, Calif.	17 885 00 f.o.b. Palo Alto, Calif.
80 table tops of two-inch thick laminated edge-grain maple, sizes: fifty 30 in. x 60 in., and thirty 30 in. x 96 in.	Physics (new building)	Brodhead-Garrett Co., Cleveland, Ohio	3 124 00 f.o.b. Urbana
One hydraulic pumping and indicating unit for a maximum capacity of 10,000 PSI; four ranges 0-10,000, 0-5000, 0-2500, 0-1000 PSI; complete with accessories; less trade-in allowance of a Riehle 100,000 lb. testing machine purchased in 1904	Theoretical and Applied Mechanics	Riehle Testing Machine Division, American Machine & Metals, Inc., East Moline	9 055 00 f.o.b. Urbana
Uniforms and linen rental service as required by College of Veterinary Medicine for the period July 1, 1959, to June 30, 1961	Veterinary Medicine	Champaign Clean Towel Service, Champaign	7 041 06
One ultra microtome, Fernandez Moran type, dual motor drive for use with glass and diamond knives, complete with accessories	Zoology	W. H. Kessel & Co., Chicago	3 167 00 f.o.b. delivered and installed
One Cessna 150 airplane with dual controls, navigation and landing lights, full panel IFR instrumentation with vacuum system, and Narco super-homer; less allowance on Cessna 140, Serial No. N2301V	Institute of Aviation	Walston Aviation, Inc., East Alton	6 048 00 f.o.b. delivered
One Beechcraft Bonanza with IFR flight panel, Narco omnigator, Narco simplexer, Lear radio compass, rotating beacon, oil filter, seat covers, external power plug, and air conditioner; less allowance for Beechcraft Bonanza, Serial No. N3407B	Institute of Aviation	Butler Co., Butler Airplane Sales Division, Rockford	18 064 00 f.o.b. Rockford
One spectrophotometer with photomultiplier attachment and flame attachment	Biochemistry, College of Medicine	E. H. Sargent & Co., Chicago	2 855 00
One self-contained rotograph apparatus with X-ray generator tube and high tension cables	Dental Radiology, Chicago	General Electric X-Ray Corp., Chicago	6 565 00 delivered
Two food mixers, one food chopper, and two electric can openers	Medical Research Laboratory, Chicago	Imperial Restaurant Supply, Chicago	2 912 25
		Stearnes Co., Chicago	119 50 delivered
18 animal operating tables	Medical Research Laboratory, Chicago	Herb Holmes Serum Co., Springfield	4 131 72 f.o.b. delivered
100,000 mysoline tablets	Hospital Pharmacy, Chicago	Ayerst Laboratories, Chicago	2 658 00 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Optical goods, including services and repairs for patients at the Illinois Eye and Ear Infirmary, 904 West Adams Street, Chicago, as required on prescriptions and authorization of the Infirmary staff, for the period July 1, 1959, through and including June 30, 1960, subject to automatic renewal for one year at the same schedule of prices at the option of the University; total estimated number of prescriptions approximately 7,500, based on University experience records	Illinois Eye and Ear Infirmary	American Optical Co., Chicago	\$ 48 000 00 (estimated annual expenditure)
Approximately 600 cases of Pyrex laboratory glassware to be used by the Chicago Colleges and Divisions	Chicago Colleges and Divisions	W. M. Welch Manufacturing Co., Chicago (100 cases)	3 800 00
		Rascher & Betzold, Inc., Chicago (100 cases)	3 800 00
		Arthur S. LaPine & Co., Chicago (100 cases)	3 800 00
		A. S. Aloe Co., Chicago (100 cases)	3 800 00
		Central Scientific Co., Chicago (100 cases)	3 800 00
		A. Daigger & Co., Chicago (100 cases)	3 800 00
			(22 800 00)
Printing of the Chicago Undergraduate Division weekly student newspaper <i>Pier Illini</i> , consisting of twenty-two issues of eight pages and four issues of twelve pages, during the academic year 1959-60	Chicago Undergraduate Division	Garfieldian Publications, Chicago	9 683 90 delivered
30 monocular medical microscopes, less allowance for thirty used microscopes	Student Supply Store, Chicago Professional Colleges	A. S. Aloe Co., Chicago	3 561 75 delivered
130 hot water heaters, gas fired, thirty gallon capacity, complete with 100 per cent safe temperature regulators and line pressure regulators	Housing Division (temporary family housing)	Graybar Electric Co., Peoria	5 338 06 f.o.b. Urbana
120 innerspring mattresses 54½ in. x 74½ in.	Housing Division (married students apartments on Orchard Place)	Schultz & Hirsch Co., Chicago	4 998 00 f.o.b. delivered
120 box springs			
Dinner plates, salad plates, cereal bowls, sugar bowls, serving bowls, and cups and saucers in Mayer china; replacements	Housing Division (Women's Residence Halls)	American China & Glassware Co., Chicago	2 930 48 f.o.b. Beaver Falls, Pa.
Plates, fruit dishes, cereal and soup nappies, sugar bowls, and cups and saucers in Syracuse china; replacements	Housing Division (Men's Residence Halls)	E. A. Hinrichs & Co., Chicago	7 098 95 f.o.b. Urbana
Plates, vegetable dishes, and cups and saucers in Shenango china; replacements	Illini Union	M. L. Brill & Co., Chicago	2 632 68 f.o.b. Urbana
300 reams 25 x 38 60-lb. white English finish book paper, long grain, packed in cartons, trimmed four sides	Office Supply Stores	West Virginia Pulp & Paper Co., Chicago	2 753 19 f.o.b. mill less carload freight
19,500 (approximately) miscellaneous haydite and concrete blocks as required during the period July 1, 1959, through June 30, 1961	Physical Plant Storeroom	Davis Concrete Products, Inc., Mahomet	3 306 00 f.o.b. delivered
8,220 gallons (approximately) water emulsion floor wax to be furnished during the period July 1, 1959, through June 30, 1961	Physical Plant	International Chemical Co., Chicago	12 033 42 f.o.b. Urbana
Wet storage batteries to be furnished during the period July 1, 1959, through June 30, 1961:	Physical Plant	Montgomery Ward & Co., Urbana	5 422 00 f.o.b. delivered
50 (approximately) Group 1			
25 (approximately) Group 2L			
300 (approximately) Group 2			
25 (approximately) Group 24S			
60 (approximately) Group 28N			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Hospital professional liability insurance for five years at limits of \$200,000/500,000 covering the Chicago and Urbana-Champaign risk; premium is payable on an annual installment basis of \$8,261.81 for Chicago and \$687.96 for Urbana-Champaign	Research and Educational Hospitals and Health Services	V. P. Hartwell, Peoria, representing the Lumbermen's Mutual Casualty Co.	\$44 748 85 (five-year premium)
Builders' risk insurance under a completed value form on an estimated \$5,500,000 insurable cost of construction for the Assembly Hall; insurance to be carried for an estimated two years during the course of construction with right of pro rata cancellation upon completion of the construction work; total two-year premium is estimated at \$9,234.50, of which \$4,617.25 will be payable the first year	Physical Plant	Ralph Light, Champaign, representing the Employers Mutual Casualty Co. \$1,375,000 (25 per cent) Dickler Insurance Agency, Dwight, representing the Freeport Insurance Co. \$4,125,000 (75 per cent)	2 337 50 6 897 00
Consulting engineering services, general and detailed supervision and inspection of the work performed by the subcontractor in connection with construction of facilities for the Radio Telescope	Astronomy	Hanson, Collins, & Rice, Springfield	15 000 00
Construction of the reflecting surface, the towers, and other facilities described in the plans and specifications for the Radio Telescope to be located at the Union Corner site, near Danville, subject to availability of funds from the Office of Naval Research	Electrical Engineering	Chism & Miller, Inc., Springfield, and W. B. Clements Co., Wallington	312 090 53
One spectrophotometer, high sensitivity, stability, and reproducibility; range 200 mμ to 2.5 mμ, 70 cm. optical bench complete with one set of four cells 10 x 10 x 48 mm., and accessories for operation on 115 volts, 60 cycles	Chemistry and Chemical Engineering	W. H. Kessel & Co., Chicago	4 279 00 f.o.b. delivered
One autoclave, laboratory, steam operated, custom mounted, automatic controls, 20 in. x 20 in. x 36 in. rectangular with provision for vacuum drying and for conversion to cold sterilization	Chemistry and Chemical Engineering	American Sterilizer Co., Chicago	11 782 00 destination
One autoclave, laboratory, steam operated, custom mounted, automatic controls, 24 in. x 36 in. x 48 in. rectangular with provision for vacuum drying and for conversion to cold sterilization			
7,000 pounds acetic acid reagent	General Chemical Stores, Physical Plant Stores	E. I. Du Pont de Nemours & Co., Grasselli Chemicals Dept., Chicago	24 803 78 f.o.b. delivered
20,000 pounds hydrochloric acid reagent			
12,000 pounds nitric acid reagent			
35,000 pounds sulphuric acid reagent			
6,000 pounds ammonium hydroxide reagent			
6,250 pounds hydrochloric acid, technical			
180,000 pounds sulphuric acid technical			
4,000 pounds No. 2 hydrochloric acid solution			
Quantities needed July 1, 1959, through June 30, 1961			
Laboratory chemicals to be used as stock in the General Chemical Stores for the summer and fall terms of 1959-60	General Chemical Stores	J. T. Baker Chemical Co., Chicago General Chemical Division, Allied Chemical Corp., Chicago Mallinckrodt Chemical Works, St. Louis, Mo. Merck & Co., Inc., St. Louis, Mo. Fisher Scientific Co., Fairlawn, N.J. Schaar & Co., Chicago Arthur S. LaPine & Co., Chicago all prices f.o.b. delivered	6 590 88 2 818 87 2 670 86 1 524 12 893 35 255 00 121 70
One lot laboratory glassware and assorted apparatus for General Chemical Stores stock	General Chemical Stores	Arthur S. LaPine & Co., Chicago	13 339 39 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Steel library bookstacks and wood library book shelving for expansion of Smith Music Hall library	Library	Virginia Metal Products, Inc., Orange, Va. Steel bookstacks Blackwell Wielandy Co., St. Louis, Mo. Wood shelving	\$ 1 746 00 1 066 65 delivered and installed
One automatic sample changing counting system consisting of: One scaler One sample changer, automatic One elapsed time printer One shield One scintillation counter One sodium iodide crystal 1 in. x 1 in.	Physiology	Radiation Instrument Development Laboratories, Chicago	3 140 75 f.o.b. Chicago
One six-speed Universal metal cutting band saw, 18 in. x 18 in., complete with motor and controls	Physics	Black & Co., Champaign	2 773 07 f.o.b. delivered
One helium cryostat with modifications to produce liquid hydrogen at the rate of eight liters per hour	Physics	Arthur D. Little, Inc., Cambridge, Mass.	36 515 00 f.o.b. Cambridge, Mass.
One automatic refrigerated centrifuge	Biochemistry (Chicago Professional Colleges)	A. Daigger & Co., Chicago	3 086 92 f.o.b. delivered
One automatic laboratory analyzer	Biochemistry (Chicago Professional Colleges)	Technicon Instrument Co., Chauncey, N.Y.	7 412 00 delivered
44 pieces of stainless steel operating room furniture, consisting of five arm dip tanks, 11 instrument tables, 11 Mayo stands, 17 irrigator stands	Medical Research Laboratory	Debs Hospital Supply, Chicago Hospital Equipment, Chicago	2 869 91 437 50 (3 307 41)
Autoanalyzer and accessories for automatic determination of laboratory specimens	Research and Educational Hospitals	Technicon Instrument Co., Chauncey, N.Y.	10 615 56
20,000 chloramphenicol capsules, 250 mg.	Research and Educational Hospitals	Parke, Davis & Co., Chicago	5 100 00 f.o.b. delivered
Yearly affiliation fee for television programming service for period July 1, 1959, through June 30, 1960	Television-Motion Pictures	National Educational Television & Radio Center, Ann Arbor, Mich.	8 400 00 f.o.b. Ann Arbor, Mich.
Printing and binding <i>Illinois Studies in the Social Sciences</i> during the period July 1, 1959, through June 30, 1961	University Press	Pantagraph Printing & Stationery Co., Bloomington	7 000 00 f.o.b. Bloomington
Printing and binding <i>Illinois Biological Monographs</i> for the period July 1, 1959, through June 30, 1961	University Press	Pantagraph Printing & Stationery Co., Bloomington	7 000 00 f.o.b. Bloomington
500 tons (approximately) pea size coke to be delivered directly to bins at various Housing Division locations during the 1959-60 heating season	Housing Division (temporary housing)	Mooney Coal Co., Urbana	12 825 00 f.o.b. delivered (approximate)
750 free hanging Venetian blinds for installation in the new married students apartments	Housing Division (married students apartments)	Johnson Shade Shop, Champaign	2 731 10 f.o.b. delivered
16 beds, eight chests, eight desks, seven night stands, and eight side chairs to replace furniture in guest rooms in Illini Union Building	Illini Union	R-Way Furniture Co., Chicago	2 950 70 f.o.b. delivered
405 steel office chairs, upholstered: 140 swivel arm chairs 60 swivel chairs, no arms 15 side arm chairs 100 side chairs, no arms 90 posture swivel chairs	Office Supply Stores—Physics Department	All-Steel Equipment, Inc., Aurora	10 808 20 f.o.b. Urbana
One Flexowriter, SPD, programmatic, recorder, reproducer with edge card facilities, stand, edge card cutter, continuous label holder	Purchasing Office	Friden, Inc., Peoria Heights	3 645 55 f.o.b. delivered and installed
One lot supplies (one carton tape, 20 roll labels 1 1/4 x 4, 10,000 edge punched cards 3 x 7)			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
2,120 (approximately) motor oil samples to be analyzed for motor vehicle fleet operation during the period July 1, 1959, through June 30, 1961	Physical Plant	Faber Laboratories of Chicago	\$ 3 498 00 f.o.b. delivered
Laboratory furniture for East Chemistry Building	Physical Plant	Metalab Equipment Co., Hicksville, N.Y.	3 225 00 delivered
Furnish and install 121 guided Venetian blinds in the new Physics Building	Physical Plant	Mackin Venetian Blind Co., Momence	3 279 10 installed
Movable partitions, approximately 194 lineal ft., to be furnished and erected in Civil Engineering Hall, creating ten office spaces	Physical Plant	Unistrut Service Co. of Illinois, Chicago	2 945 00 delivered and erected
Incandescent and fluorescent lamps to be ordered as required for the Urbana campus and Chicago Professional Colleges during the period July 1, 1959, through June 30, 1961	Physical Plant	Potter Supply Co., Decatur	75 139 79 f.o.b. delivered
20,000 lbs. soft white lead paste, federal specifications TT-W-251-B. Type C in 100-lb. kegs	Physical Plant Storeroom	National Lead Co., Chicago	3 650 00 f.o.b. Urbana
Miscellaneous steel for stock and jobs in progress	Physical Plant Storeroom	A. M. Castle & Co., Franklin Park	3 031 10 f.o.b. delivered
Octane aviation gasoline as follows: 200,000 gallons 80/87 350,000 gallons 91/96 40,000 gallons 100/130	Institute of Aviation	Texaco, Inc., Chicago	132 964 80 f.o.b. delivered
Cylinder and bulk propane gas to be furnished during the period July 1, 1959, through June 30, 1961	Various Departments, Urbana	Jack Bell Gas Co., Urbana Bulk propane Urbana Furniture Co., Urbana Cylinder propane	10 000 00 3 800 00 all prices f.o.b. delivered
Laboratory gases as required by all departments during the period July 1, 1959, through June 30, 1961	Various Departments, Urbana	Depke Welding Supplies, Inc., Champaign	32 000 00 f.o.b. delivered
Gasoline, fuel oil, motor oil, greases, and industrial lubricants as required during the period July 1, 1959, through June 30, 1961	Various Departments, Urbana	Mobil Oil Co., Springfield, 350,000 gals. gasoline in transport loads; 60,000 gals. No. 1 fuel oil in tank truck loads Texaco, Inc., Chicago, 60,000 gals. gasoline in transport loads for Dixon Springs Station Ohio Oil Co., Urbana, 45,000 gals. gasoline in tank truck loads Continental Oil Co., Springfield, 10,000 gals. No. 1 fuel oil in tank truck loads for Dixon Springs Station Sinclair Refining Co., Chicago, 18,000 gals. No. 2 fuel oil in tank truck loads for Dixon Springs Station Stewart Oil Co., Champaign, 220,000 gals. No. 2 fuel oil in tank truck loads; 5,000 gals. petroleum solvent in tank truck loads; 1,500 gals. kerosene in tank truck deliveries Cities Service Oil Co., Champaign, 4,650 gals. motor oil in quart cans and drums, greases and industrial oils	65 954 00 10 501 92 8 752 50 1 325 00 2 232 00 27 014 00 6 127 81

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

COMPTROLLER'S REPORT OF CONTRACTS

(37) The Comptroller's report of contracts executed during the period May 1 to 31, 1959.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF 33(616)-6283	Exploratory investigation of inorganic laminate matrix materials	\$40 110 00	April 1, 1959
United States Air Force AF 33(616)-6428	Analyzing principles of the mammalian auditory system	34 395 00	May 1, 1959
United States Air Force AF 33(616)-6542	Quantitative theory of form perception	14 480 00	June 16, 1959
United States Army DA-36-039 SC-78313	Microwave duplexer switching mechanisms	33 333 00	February 1, 1959
United States Atomic Energy Commission AT (11-1)-758	Basic research relating to atomic energy	11 260 00	June 1, 1959
United States Department of Health, Education, and Welfare, Office of Education, SAE-8204	Efficacy of special class training on the development of mentally retarded children	233 921 00	July 1, 1959

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
De Vous Brothers	One model 800 PTO forage harvester with attachments	\$ 319 91 annually	April 29, 1959
International Harvester Co.	One McCormick UF-34 power loader with attachments	61 59 annually	April 29, 1959

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Iron & Steel Institute	Continuous reinforced concrete beams failing in shear	\$23 500 00	April 3, 1959
General Electric Co.	Effect of residual stress on fatigue life and the fading of residual stress at elevated temperatures	12 500 00	May 6, 1959
Kewanee Machinery & Conveyor Co.	Study of elevators for filling vertical silos	3 000 00	January 28, 1959
Kretschmer Corp.	Relative effects of wheat germ oil on physical performance tests	2 500 00	April 14, 1959
Chas. Pfizer & Co., Inc.	Evaluate unidentified growth factors and antibiotics in swine	2 000 00	April 8, 1959
Research Council of the Engineering Foundation	Fatigue tests on cumulative damage of structural joints	22 000 00	January 1, 1959
United States Department of Agriculture	Plant pest control	4 500 00	May 1, 1959
United States Air Force AF 19(604)-4940	Analysis of severe thunderstorms	4 755 00	March 20, 1959
United States Air Force AF 33(616)-5446	Films of surface active substances on a metal surface	10 000 00	January 1, 1959
United States Air Force AF 33(616)-5734	Protective coatings for refractory metals	42 076 22	March 2, 1959
United States Army DA-11-022-ORD-2705	Interaction of interstitial impurities with defect in BCC metals	20 795 50	May 6, 1959
United States Army DA-36-039-SC-75055	Measurement of intensity of surface precipitation by radar returns	120 184 00	April 1, 1959
United States Army DA-49-007-MD-569	Influence of interpersonal relations on team effectiveness	400 00	May 15, 1959
United States Atomic Energy Commission AT(11-1)-67, Project No. 4	Unclassified research in the field of radio chemistry	26 300 00	April 23, 1959
United States Atomic Energy Commission AT(11-1)-67, Project No. 8	Atomic energy research and development	10 000 00	May 11, 1959
United States Atomic Energy Commission AT(11-1)-67, Project No. 9	Structural changes in metals due to annealing after deformation	23 909 00	April 23, 1959
United States Atomic Energy Commission AT(11-1)-392	Obtaining one millimeter source of C.W. microwaves and associated components	90 335 00	May 11, 1959

Adjustments Made in 1958-59 Cost-Plus Contract

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Twenty-five items: \$141.58 deduct to \$202.00	\$1 096 08	April and May, 1959

This report was received for record.

HOUSE OF REPRESENTATIVES RESOLUTION RELATING TO THE CHICAGO UNDERGRADUATE DIVISION

(38) President Henry presented the following resolution:

**State of Illinois
Seventy-first General Assembly
House of Representatives**

Offered by Mr. Randolph, Mr. W. G. Clark, Mr. Pollack, and Miss Piotrowski
House Resolution No. 102

WHEREAS, Efforts have been made for many years to establish a branch campus of the University of Illinois in Chicago offering a comprehensive educational program; and

WHEREAS, The Chicago Undergraduate Division established since World War II has served the educational needs of more than 60,000 students to the extent of its imposed limitations; and

WHEREAS, The citizens of Illinois have expressed their desire for public higher education in Chicago and the Board of Trustees has recognized its responsibilities and executed plans to establish a permanent campus accordingly; and

WHEREAS, The University's schedule is imperative to its needs to provide for the future established enrollments at the Chicago campus; therefore, be it

Resolved, By the House of Representatives of the Seventy-first General Assembly of the State of Illinois, that the Board of Trustees of the University be complimented and supported in its willingness to concede their choice of site for the new campus within the City limits; and that the Mayor of Chicago be commended for his continued interest in the Chicago campus of the University, for his acceptance of the University's established schedule, and for his willingness to support the choice of site by the University within the City limits; and that all citizens and officials of this great commonwealth recognize the importance of the quality of the human resources over all other considerations and dedicate themselves to unselfish support of the Chicago campus of the University which will contribute so much to so many now and in the future.

Adopted by the House, May 19, 1959.

PAUL POWELL
Speaker, House of Representatives

CLARENCE BOYLE
Clerk, House of Representatives

This resolution was received for record and ordered printed in the minutes.

CONTRACT FOR CONSTRUCTION OF PARKING AREA FACILITIES

(39) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$36,193 to Clancy Construction Company, Urbana, Illinois, the lowest bidder, for the construction of a temporary parking lot in the area east of the Student-Staff Apartments on Green Street to provide space for 405 automobiles based on bids received on June 22, 1959. The base will be heavy crushed rock, and the surface will be fine crushed rock. This parking area is to replace facilities lost due to construction of the first unit of the Physics Building across the street and the parking areas which will be lost when the second unit of this building is constructed.

Funds are available in the state capital appropriations to the University for 1957-59.

I recommend approval.

On motion of Mrs. Watkins, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Herrick, Mr.

Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Stratton, Mr. Wilkins.

REPORTS OF COMMITTEES

The Board proceeded to consider the following reports and recommendations from its standing committees.

NAMING OF BIOLOGY BUILDING

Mr. Pogue, for the Committee on Buildings and Grounds, presented the following recommendation:

The Committee on Buildings and Grounds received a recommendation from the Division of Biological Sciences, in which the President concurs, that the new Biology Building be named Burrill Hall for the distinguished scientist Thomas Jonathan Burrill, a member of the University faculty from 1868 until his retirement in 1912, whose services to the University during its first forty-five years also included the following important administrative positions: Dean of the College of Science, 1878-1884; Acting Regent (President), 1891-1894; Dean of the General Faculty, 1894-1901; Dean of the Graduate School, 1891-1905; Vice-President, 1871-1912.

A statement in support of this recommendation has been filed with the Secretary of the Board for record.

On motion of Mr. Pogue, this recommendation was approved. Mr. Herrick and Mr. Williamson voted no.

EMPLOYMENT OF ARCHITECTS AND ENGINEERS FOR MASTER PLANNING FOR CHICAGO UNDERGRADUATE DIVISION

Mr. Pogue, for the Committee on Buildings and Grounds, presented the following report and recommendation:

At the meeting of the Buildings and Grounds Committee on February 18, 1959, the Director of the Physical Plant submitted a preliminary report on Professional Services for the Relocation of the Chicago Undergraduate Division. The Buildings and Grounds Committee approved recommendations that:

- "a. Negotiations be authorized to secure the services of Skidmore, Owings, and Merrill as the coordinating architect on the relocation of the Chicago Undergraduate Division and with the responsibilities as assigned above.
- "b. Recommendations then be submitted for the employment of other professional firms on specific building projects (including such firms as Naess and Murphy and Sargent and Lundy)."

Assuming that the site selection will be firm by July and that the capital appropriations are available in the 1959-61 biennium, it is recommended that employment of the necessary professional services be authorized so that final campus plan studies may be started promptly.

Assuming, also, the approval and availability of the Garfield Park site, there are several fundamental planning problems that must be settled at the very earliest possible date and resolved in conjunction with the city and local community interests. Examples of such questions are: (1) closing of streets and rerouting of traffic; (2) development of an urban renewal program for the area as a whole; and (3) a firm decision on the area in which construction will be first started.

Such work must be completed before any work can be started by the architects on the individual buildings. Starting such work in July is essential if the University's time schedule, namely, completion of construction by the fall of 1963 for the first stage, is maintained.

Accordingly, the Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of:

Skidmore, Owings, and Merrill as the coordinating architect for the preparation of the master campus plan. Their fee for such work will be on a timecard basis, that is, cost plus 150 per cent. (Such costs will be the compensation expended for technical personnel assigned to such work. Technical personnel will include partners and all other personnel assigned to the project, exclusive of general office employees.)

Sargent and Lundy as engineers on the power plant and utility distribution system. Their fee, which is standard for other similar University projects, will be:

1. Engineering and drafting at actual salary and wages plus 100 per cent. (Engineering and drafting are charged at straight time rates for the number of hours actually devoted to the work. The premium costs resulting from overtime and all fringe benefits such as vacations, illness, etc., are included in the 100 per cent.)
2. Stenographic and clerical services at actual wages.
3. Traveling expenses, including transportation, room, board, etc., at charged cost to Sargent and Lundy.
4. Miscellaneous expenses, including calculating board studies, telegraph, long distance telephone, blueprints, etc., at charged cost to Sargent and Lundy.

It is not possible at this time to estimate accurately the cost of these services, but they will run from \$75,000 to \$100,000.

This recommendation was previously submitted to the Committee on Buildings and Grounds and the Committee concurs.

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

LEASE OF PROPERTY AT 1102A WEST MAIN STREET, URBANA

Mr. Pogue, for the Committee on Buildings and Grounds, presented the following report and recommendation:

As a part of the general program to provide additional office and laboratory facilities for this fall, the Director of the Physical Plant and the Vice-President and Comptroller recommend leasing of quarters in the building at 1102A West Main Street, Urbana.

This building was formerly occupied by the Jewel Tea Company as part of the Eisner store chain. Recently, Mr. Cyrus Vaughn of Champaign acquired this building, and the space has been offered to the University of Illinois.

Approximately 1,368 square feet of space can be leased at a rental of \$150 a month (\$1.32 per square foot); and the lessor will:

1. Do the necessary remodeling to make the storeroom usable.
2. Subdivide the large area with a partition.
3. Paint all the interior walls and ceilings.
4. Install a separate toilet.
5. Make available to the University certain parking facilities located at the rear of the building.
6. Be responsible for exterior maintenance, insurance, taxes, etc.

The University will assume the cost of electricity, heat, water, gas, custodian services, and any further alterations required for University use.

The College of Education and the University High School have a research program involving the filming of classroom techniques. The building at 1102A West Main Street will provide the necessary laboratory and office space. The personnel involved in the program have inspected the property and state that this space is suitable for their needs.

The annual rental (\$1,800) and the operation and maintenance cost (\$2,050) will require a total recurring appropriation of \$3,850. Funds are available to the College of Education in research contracts.

In view of the fact that no new academic buildings can be completed for another four-year period, it is recommended that this space be leased for a two-year period, commencing July 1, 1959.

This recommendation was previously submitted to the Committee on Buildings and Grounds and the Committee concurs.

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

ASSEMBLY HALL REVENUE BONDS

Mr. Swain, for the Finance Committee, offered the following resolution and moved its adoption:

Resolution Authorizing \$7,750,000 Assembly Hall Revenue Bonds, Series 1959

A RESOLUTION AUTHORIZING AND PROVIDING FOR THE ISSUANCE OF REVENUE BONDS FOR THE PURPOSE OF PAYING THE COST OF ACQUIRING, CONSTRUCTING, EQUIPPING, ENLARGING, OR IMPROVING AN ASSEMBLY HALL IN THE VICINITY OF FLORIDA AVENUE AND FIRST STREET IN THE CITY OF CHAMPAIGN, ILLINOIS, BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, SETTING FORTH THE TERMS UNDER WHICH SUCH REVENUE BONDS ARE TO BE ISSUED, PROVIDING FOR THE RIGHTS OF THE HOLDERS THEREOF, AND PROVIDING FOR THE ACQUISITION, CONSTRUCTION, AND EQUIPMENT OF SUCH FACILITIES, AND THE MANAGEMENT, MAINTENANCE, IMPROVEMENT, AND OPERATION THEREOF.

WHEREAS, The Board of Trustees of the University of Illinois on due consideration and investigation does now find and determine that it is advisable and necessary and required for the good and benefit of the University of Illinois and the best interests of its students and faculty to construct and equip an Assembly Hall (hereinafter sometimes called the "Project") having a seating capacity of approximately 18,500 persons; and

WHEREAS, In order to produce the funds necessary to construct and equip said Project it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1957, and all laws amendatory thereof and supplemental thereto;

Now, Therefore, Be It Resolved by The Board of Trustees of the University of Illinois:

ARTICLE ONE**DEFINITIONS**

Unless the context otherwise requires, the terms defined in this Article One shall for all purposes of this Resolution and of any resolution supplemental hereto, have the meanings herein specified, the following definitions to be equally applicable both to the singular and plural forms of any of the terms herein defined:

The term "*Authorized Officer*" shall mean the President, any Vice-President, the Secretary, any Assistant Secretary, the Treasurer or the Comptroller of the Board of Trustees, or any other person authorized by resolution of the Board of Trustees, to perform the act or sign the document in question.

The term "*Board of Trustees*" and the term "*University*" shall mean The Board of Trustees of the University of Illinois, a body corporate, created and established under the laws of the State of Illinois.

The term "*Bonds*" shall mean and include any and all bonds of all series, issued under this Resolution.

The term "*Comptroller*" shall mean the Comptroller of the University or such other person as may at the time be the acting chief fiscal officer of the University.

The term "*facilities*" shall mean the Project and all additional facilities financed pursuant to this Resolution, the cost of which is paid in whole or in part through the issuance of Bonds.

The term "*fiscal year*" shall mean the twelve month accounting period established by the University for its academic operations, which currently is the period from July 1 through the following June 30.

The term "*Net Income Available for Debt Service*" shall mean at any date as of which the amount thereof is to be determined the sum of

(a) the average net income for the two preceding fiscal years of all revenue producing facilities pledged for the payment of Bonds and used and occupied during all of said preceding two fiscal years; plus

(b) the net income during the preceding fiscal year of all revenue producing facilities pledged for the payment of Bonds and used and occupied during all of said preceding fiscal year but not during all of the two preceding fiscal years; plus

(c) the estimated annual net income of all revenue producing facilities for the account of which Bonds have been issued and delivered but which

are under construction or for which a full fiscal year's operating experience is not available; plus

(d) the estimated annual net income of revenue producing facilities not then completed, the cost of which is to be financed through the proceeds of the sale of additional Bonds at the time proposed to be issued; plus

(e) the maximum dollar amount of University income authorized by law to be retained in the treasury of the University pledged or to be pledged to supplement the revenues of the facilities for the payment of all Bonds then outstanding and then to be issued, plus

(f) the income during the preceding fiscal year from investments of funds in the Interest Reserve Account.

For the purpose of this definition net income shall be determined by deducting from the gross revenues or estimated gross revenues for the period in question (which revenues shall include student service charges for the use of the facilities pledged for the payment of all Bonds then outstanding and then to be issued) all operating expenses or estimated operating expenses for such period. In the computation of estimates provided for in this definition, student service charges shall be based on the student enrollment during the immediately preceding fiscal year and other revenues and operating expenses shall be estimated in writing by an independent consulting engineer. All computations of Net Income Available for Debt Service shall be made by the Comptroller of the University who shall certify thereto.

The term "*operating expenses*" shall mean and include all reasonable expenses of operation and maintenance of the facilities, including without limiting the generality of the foregoing, salaries, wages, cost of materials, supplies, insurance, light, heat, power and reasonable repairs necessary to properly maintain such facilities (including reasonable reserves therefore), taxes (if any), fees and expenses of the paying agents and any expenses required to be paid pursuant to this Resolution but excluding depreciation, capital replacements and improvements and all general administrative expenses of the University.

The term "*owner*" or "*holder*" whenever employed herein with respect to a Bond which shall be registered as to principal or fully registered without coupons shall mean the person, firm or agency in whose name such Bond shall be registered and, whenever employed herein with respect to a coupon Bond which shall not be registered as to principal or a coupon, shall mean the bearer of such Bond or coupon.

The term "*Paying Agent*" shall mean Sears Bank and Trust Company or its successors in the City of Chicago, Illinois.

The term "*Project Site*" shall mean that parcel of real estate situated in the State of Illinois, the County of Champaign and being a part of the North one-half of Section 19, Township 19 North and Range 9 East of the Third Principal Meridian, and being more fully bounded and described as follows:

"Beginning at the intersection of the south property line of Florida Avenue and the east property line of First Street, said corner being 58.02 feet distant south of the 55.0 feet distant east of the northwest corner of said Section 19, and being marked with an iron pipe; thence, southerly along the east property line of First Street, and parallel to the west Range Line of said Section 19, a distance of 1221.94 feet to the north property line of St. Mary's road, said corner being marked with an iron pipe; thence, easterly along the north property line of St. Mary's road, a distance of 1384.69 feet to the west property line of Fourth Street, said corner being marked with an iron pipe; thence, northerly along the west property line of Fourth Street, a distance of 1225.93 feet to the south property line of Florida Avenue, said corner being marked with an iron pin; thence, westerly along the south property line of Florida Avenue, a distance of 1371.67 feet to the place of beginning, containing 38.725 acres, more or less, excepting the south 204.70 feet of the west 116.35 feet thereof."

The term "*Resolution*" shall mean this Resolution as originally adopted or as it may from time to time be supplemented, modified or amended by any resolution supplemental hereto, pursuant to the provisions hereof.

The term "*student service charge*" shall mean any student fee or portion thereof assessed against students enrolled in the University for the general use of the facilities (whether assessed as a separate charge or as a specific allocation

of a multi-purpose fee or charge) but shall not include general student tuitions or student fees assessed for any other purpose.

ARTICLE TWO

AUTHORIZATION, DESIGNATION, FORM, EXECUTION, EXCHANGE AND REGISTRATION OF BONDS

SECTION 2.01. *Limitation of Issue and Equality of Bonds.* This resolution shall constitute a continuing agreement to secure the full and final payment in the manner herein provided for the principal and interest on all Bonds which may from time to time be delivered and issued hereunder. The aggregate principal amount of Bonds which may be so delivered and issued hereunder is not limited except as restricted by law or by the provisions hereof. All Bonds at any time issued and outstanding hereunder, regardless of series, shall be equally and ratably secured hereby without preference, priority or distinction.

SECTION 2.02. *Project and Purpose of Initial Issue of Bonds.* The initial project (hereinafter called the "Project") to be acquired, constructed, equipped and completed hereunder is described in a general way as an Assembly Hall, which is to be a multiple-purpose building suitable for concerts, theatrical events, convocations, athletic events, exhibits and other purposes, including adjacent parking facilities and located between First and Fourth Streets in Champaign, Illinois.

The estimated cost of said Project is \$7,750,000 exclusive of land and exclusive of any pro rata part of the University power and heating plant serving the Project all as more fully set forth in the plans and specifications therefor on file with the Comptroller of the University.

It is hereby determined that in order to produce the funds necessary to construct and equip the Project, that the University borrow the sum of Seven Million Seven Hundred Fifty Thousand Dollars (\$7,750,000) and in evidence thereof to issue its Assembly Hall Revenue Bonds hereunder in said principal amount.

SECTION 2.03. *Terms of Series 1959 Bonds.* The Bonds to be initially issued hereunder shall be substantially in the form and of the tenor and purport hereinafter set forth, shall be designated "The Board of Trustees of the University of Illinois Assembly Hall Revenue Bonds, Series 1959" (hereinafter called "Series 1959 Bonds") and shall be limited to the aggregate principal amount of Seven Million Seven Hundred Fifty Thousand Dollars (\$7,750,000) at any one time outstanding.

The Series 1959 Bonds shall be issued as negotiable coupon bonds dated July 1, 1959, registrable as to principal in the denomination of \$1,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to October 1, 1959, in which case they shall be dated July 1, 1959. Fully registered Bonds without coupons, shall be numbered in such manner as may be designated by the Comptroller and shall be issued in denominations of \$1,000 or multiples thereof. The Series 1959 Bonds shall bear interest from July 1, 1959, payable semi-annually on the first days of April and October in each year until paid, commencing October 1, 1959, at the rate of two and one-half per cent ($2\frac{1}{2}\%$) per annum until October 1, 1961 and thereafter at the rate of four and three-quarters per cent ($4\frac{3}{4}\%$) per annum and shall be expressed to mature on October 1, 1984.

The Series 1959 Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to October 1, 1971, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
October 1, 1971 through October 1, 1974.....	4%
April 1, 1975 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The Series 1959 Bonds shall also be redeemable prior to their maturity on any interest payment date on and after, but not prior to October 1, 1966, through the operation of the Bond Retirement Account and at the option of the Board of Trustees out of surplus moneys remaining in the Assembly Hall Revenue Bond Fund in any fiscal year after first complying with all provisions of subsections (a) and (b), of Section 5.02 hereof at the principal amount thereof, together with interest accrued thereon to the date fixed for redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
October 1, 1966 through October 1, 1969.....	2½%
April 1, 1970 through October 1, 1973.....	2 %
April 1, 1974 through October 1, 1977.....	1½%
April 1, 1978 through October 1, 1981.....	1 %
April 1, 1982 and thereafter without premium.	

The Series 1959 Bonds shall also be redeemable through the operation of the Fixed Sinking Fund provided for in Article Eight hereof, in which case such redemption shall be upon payment of the principal amount of the Bonds to be redeemed or portion of such principal amount to be redeemed and accrued interest thereon to the date fixed for redemption and without premium. All redemptions shall be made in the manner, upon the notice and with the effect provided in Article Three hereof.

SECTION 2.04. *Payment of Principal and Interest.* Both the principal and the interest on the Series 1959 Bonds shall be payable in any coin or currency which on the respective date of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Sears Bank and Trust Company, or its successor, in the City of Chicago, Illinois.

SECTION 2.05. *Form of Bonds.* The definitive coupon Series 1959 Bonds, the interest coupons to be attached thereto, the form of fully registered Series 1959 Bonds without coupons, the form of registration endorsement to appear on all coupon Bonds, the form of principal payment record and the form of assignment to appear on all fully registered Bonds shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in number, amount, interest rate, maturity and like matters:

(Form of Coupon Bond)

UNITED STATES OF AMERICA
STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY
OF ILLINOIS ASSEMBLY HALL
REVENUE BOND

Series 1959

Number.....

\$1,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Housing Revenue Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of ONE THOUSAND DOLLARS (\$1,000), on October 1, 1984, and to pay interest on said sum from the date hereof until October 1, 1961 at the rate of two and one-half per cent (2½%) and thereafter until paid at the rate of four and three-quarters per cent (4¾%) per annum, payable October 1, 1959, and semi-annually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupon hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof whether by lapse of time, call for redemption, or otherwise unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal

and interest, is legal tender for the payment of debts due the United States of America, at the Sears Bank and Trust Company, or its successor, in the City of Chicago, Illinois.

This bond is one of an initial authorized issue of Seven Million Seven Hundred Fifty Thousand Dollars (\$7,750,000) principal amount of Assembly Hall Revenue Bonds, Series 1959, issued and to be issued pursuant to a Bond Resolution (herein called "Resolution") of The Board of Trustees of the University of Illinois duly adopted 1959, for the purpose of providing funds for paying the cost of constructing and equipping an Assembly Hall as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to October 1, 1971, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
October 1, 1971 through October 1, 1974.....	4%
April 1, 1975 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The bonds of this series are also redeemable prior to their maturity on any interest payment date on and after, but not prior to October 1, 1966, through the operation of the Bond Retirement Account and at the option of the Board of Trustees out of surplus moneys remaining in the Assembly Hall Revenue Bond Fund in any fiscal year after first complying with all provisions of subsections (a) and (b) of Section 5.02 of the Resolution at the principal amount thereof, together with interest accrued thereon to the date fixed for redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
October 1, 1966 through October 1, 1969.....	2½%
April 1, 1970 through October 1, 1973.....	2 %
April 1, 1974 through October 1, 1977.....	1½%
April 1, 1978 through October 1, 1981.....	1 %
April 1, 1982 and thereafter without premium.	

The bonds of this series are also redeemable through the operation of the Fixed Sinking Fund provided for in Article Five of the Resolution, in which case such redemption shall be upon payment of the principal amount of the Bonds to be redeemed or portion of such principal amount to be redeemed and accrued interest thereon to the date fixed for redemption and without premium. All redemptions shall be made in the manner, upon the notice and with the effect provided in Article Three of the Resolution.

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper published and of general circulation in the City of Chicago unless all bonds at the time outstanding shall be in fully registered form in which case such notice may be given only by registered or certified mail, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption moneys are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of

Chapter 144 of the Illinois Revised Statutes, 1957, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Assembly Hall Revenue Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) University income authorized by law to be retained in the University treasury (in addition to the student service charges made for the use of the facilities) but not in excess of \$200,000 annually plus such additional sums as may be specified in any resolution supplemental to the Resolution creating or authorizing the issuance of additional bonds. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Comptroller of the University such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made on such books by the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer thereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, and any paying agent may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registerable as to principal only in the denomination of \$1,000 and as registered bonds without coupons in the denomination of \$1,000 or a multiple thereof. The coupon bonds and the registered bonds without coupons are interchangeable on certain conditions only for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Comptroller of the University and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66⅔%) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums at the time

and place and at the rate and in the currency provided therein of any bond without the expressed consent of the holder or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, charges, and student fees for the use of said facilities and to maintain and collect rents and charges and to withhold student fees, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and signed by two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of July, 1959.

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

Attest:	By
<i>Secretary</i>	<i>President</i>
.....
<i>Member</i>	<i>Member</i>

(Form of Interest Coupon)

Number..... \$.....

On the first day of, 19..... (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of Dollars (\$.....) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Sears Bank and Trust Company, in the City of Chicago, Illinois, as provided in the Assembly Hall Revenue Bond, Series 1959, dated July 1, 1959, Number.....

.....
<i>Secretary</i>	<i>President</i>

(Form for Registration of Coupon Bond)

<i>Date of Registration</i>	<i>Name of Registered Owner</i>	<i>Signature of Registrar</i>
.....
.....
.....

(Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA
STATE OF ILLINOIS
THE BOARD OF TRUSTEES OF THE UNIVERSITY
OF ILLINOIS ASSEMBLY HALL
REVENUE BOND
Series 1959

No. \$.....

The Board of Trustees of the University of Illinois, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Assembly Hall Revenue Bond Fund as hereinafter provided for, and not otherwise) to, or registered assigns, on October 1, 1984, the principal sum of, Dollars (\$.....) and to pay interest thereon (which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the University), until October 1, 1961 at the rate of two and one-half per cent (2½%) per annum and thereafter at the rate of four and three-quarters per cent (4¾%) per annum on the unpaid balance thereof, said interest being payable October 1, 1959, and semi-annually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are made payable in any coin or currency which on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Sears Bank and Trust Company, or its successor, in the City of Chicago, Illinois.

This bond is one of an initial authorized issue of Seven Million Seven Hundred Fifty Thousand Dollars (\$7,750,000) principal amount of Assembly Hall Revenue Bonds, Series 1959, issued and to be issued pursuant to a Bond Resolution (herein called "Resolution") of The Board of Trustees of the University of Illinois duly adopted, 1959, for the purpose of providing funds for paying the cost of constructing and equipping an Assembly Hall as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to October 1, 1971, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
October 1, 1971 through October 1, 1974.....	4%
April 1, 1975 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The bonds of this series are also redeemable prior to their maturity on any interest payment date on and after, but not prior to October 1, 1966, through the operation of the Bond Retirement Account and at the option of the Board of Trustees out of surplus moneys remaining in the Assembly Hall Revenue Bond Fund in any fiscal year after first complying with all provisions of sub-

sections (a) and (b) of Section 5.02 of the Resolution at the principal amount thereof, together with interest accrued thereon to the date fixed for redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
October 1, 1966 through October 1, 1969.....	2½%
April 1, 1970 through October 1, 1973.....	2 %
April 1, 1974 through October 1, 1977.....	1½%
April 1, 1978 through October 1, 1981.....	1 %
April 1, 1982 and thereafter without premium.	

The bonds shall also be redeemable through the operation of the Fixed Sinking Fund provided for in Article Five of the Resolution, in which case such redemption shall be upon payment of the principal amount of the bonds to be redeemed or portion of such principal amount to be redeemed and accrued interest thereon to the date fixed for redemption and without premium. All redemptions shall be made in the manner, upon the notice and with the effect provided in Article Three of the Resolution.

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper published and of general circulation in the City of Chicago, Illinois, unless all bonds at the time outstanding shall be in fully registered form in which case such notice may be given only by registered or certified mail, and when this bond or any of the bonds of such authorized issue (or any portion thereof) shall have been duly called for redemption, interest thereon (or on such portion called for redemption) shall cease from and after the specified redemption date if redemption moneys are available for payment of all bonds (or the portions thereof) called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1957, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Assembly Hall Revenue Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) University income authorized by law to be retained in the University treasury (in addition to the student service charges made for the use of the facilities), but not in excess of \$200,000 annually plus such additional sums as may be specified in any resolution supplemental to the Resolution creating or authorizing the issuance of additional bonds. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and shall be transferable by the registered owner at the principal office of the Comptroller of the University, upon surrender and cancellation of this bond and thereupon a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution and upon payment of charges and otherwise as therein prescribed. The Board of Trustees of the University of Illinois, the Trustee and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving

payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registerable as to principal only in the denomination of \$1,000 and as registered bonds without coupons in the denomination of \$1,000 or a multiple thereof. The coupon bonds and the registered bonds without coupons are interchangeable on certain conditions only for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Comptroller of the University and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66 $\frac{2}{3}$ %) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons or (iv) reduce the percentage of principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, charges and student fees for the use of said facilities and to maintain and collect rents and charges and to withhold student fees, sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and signed by two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and this bond to be dated as of the 1st day of

....., 19.....

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

Attest:
Secretary
.....
Member

By
President
.....
Member

be attached to the Bonds shall bear the facsimile signatures of the President and Secretary of the Board of Trustees.

In case any person who shall have signed, sealed or attested any Bond issuable under this Resolution as an officer or member of the Board of Trustees, shall have ceased to be such officer or member before the Bond so signed, sealed or attested shall have been actually delivered, such Bond nevertheless may be delivered and issued as though the person who signed, sealed or attested such Bond had not ceased to be such officer or member of the Board of Trustees.

Any Bond issuable hereunder may be signed, sealed or attested on behalf of the Board of Trustees by any person who at the actual date of execution of such Bond is the proper person, although at the date of such Bond such person shall not have been an officer or member of the Board of Trustees.

SECTION 2.08. *Registration and Transfer of Bonds.* The University shall keep at the office of the Comptroller of the University books for the registration and transfer of Bonds issued hereunder, which, at all reasonable times, shall be open for inspection by the holder of any Bond issued hereunder, and upon presentation for the purpose at such office, the University will register or transfer or cause to be registered or transferred therein, as hereinafter provided, and under such reasonable regulations as it may prescribe, any Bonds issued under this Resolution and entitled to be so registered or transferred.

The holder of any coupon Bond issued hereunder may have the ownership of the principal thereof registered on said books of the University at the office of the Comptroller of the University and such registration shall be noted on the Bond. After such registration no transfer shall be valid unless made on the said books by the registered owner in person, or by his duly authorized attorney, and similarly noted on the Bond; but the same may be discharged from registration by being in like manner transferred to bearer, and thereupon transferability by delivery shall be restored; and such Bond may again, from time to time, be registered or transferred to bearer as before. Such registration, however, shall not affect the transferability of the coupons, but every such coupon shall continue to be transferable by delivery merely, and shall remain payable to bearer. Such registrations and discharges from registration shall be without expense to the holder of the Bonds.

Any registered Bond without coupons may be transferred at the office of the Comptroller of the University by surrender of such Bond for cancellation, accompanied by delivery of a written instrument of transfer duly executed by the registered owner of such Bond or his duly authorized attorney, and thereupon the University may, but shall not be required to, issue in the name of the transferee or transferees a new registered Bond or Bonds of like form and maturity and for a like aggregate principal sum.

A registered Bond without coupons, upon request of the registered owner, may be exchanged at the office of the Comptroller of the University for several such Bonds, of like form and maturity but of lesser authorized denominations, in the same name and for a like aggregate principal sum, and several registered Bonds, without coupons, in the same name, may, upon request of the registered owner, be exchanged at such office for one registered Bond without coupons or several such Bonds, of like form and maturity, but of greater authorized denominations and for the same aggregate principal sum.

Whenever any coupon Bonds in aggregate principal amount equal to one or more registered Bonds without coupons of authorized denominations, with all unmatured coupons thereto attached, shall be surrendered at such office for exchange for a registered Bond or Bonds without coupons, the University may, but shall not be required to, issue, in exchange for such coupon Bonds, registered Bonds, or one registered Bond, of authorized denominations without coupons, of the same maturity and for a like aggregate principal sum.

Whenever any registered Bond without coupons shall be surrendered for cancellation, accompanied by delivery of a written instrument of transfer duly executed by the registered owner of such Bond or his duly authorized attorney, at the office of the Comptroller of the University, for exchange for coupon Bonds, and whenever the University shall elect not to issue new registered Bonds without coupons upon presentation of any such fully registered Bond or Bonds for transfer the University shall issue, and, in exchange for such registered

Bond, shall deliver coupon Bonds for a like aggregate principal sum and like maturity, with coupons thereto attached representing interest from the interest payment date on which interest was last paid on such registered Bond without coupons.

As to all registered Bonds without coupons and all coupon Bonds registered as to principal, the person in whose name the same shall be registered shall be deemed and regarded as the owner thereof, for all purposes, and thereafter payment of or on account of the principal of such Bond, if it be a registered coupon Bond, and of the principal and interest, if it be a registered Bond without coupons, shall be made only to such registered owner thereof but such registration may be changed as above provided. All such payments shall be valid and effectual to satisfy and discharge the liability upon such Bonds to the extent of the sum or sums so paid. The University may deem and treat the bearer of any coupon Bond which shall not at the time be registered as to principal, and the bearer of any coupon for interest on such Bond, whether such Bond shall be registered or not, as the absolute owner of such Bond or coupon for the purpose of receiving payment thereof, and for all other purposes whatsoever, and the University shall not be affected by any notice to the contrary whether the Bond or coupon be overdue or not.

In every case of exchange or transfer of Bonds under this Section, the surrendered Bond or Bonds shall be presented to the University for cancellation.

Upon every such exchange of coupon Bonds for registered Bonds, without coupons, or of registered Bonds without coupons for coupon Bonds or for other registered Bonds without coupons, and upon any transfer of registered Bonds without coupons, the University, except as otherwise provided in any agreement between the University and any original purchaser of Bonds, may require the payment of such charge therefor as it may deem proper, not exceeding Two Dollars (\$2.00) plus actual expenses incurred in connection therewith for each Bond issued upon such exchange, payment of which, together with any taxes or other governmental charges required to be paid with respect to such exchange or transfer, shall be made by the party requesting such exchange or transfer as a condition precedent thereto.

The University shall not be required to make exchanges or transfers of bonds as provided in this Section 2.07 during a period of ten (10) days next preceding any interest payment date, or for the period of ten (10) days next preceding the first publication of notice of redemption of any Bond or at any time of any Bonds which have theretofore been duly called for redemption.

SECTION 2.09. *Lost, Stolen, Destroyed or Mutilated Bonds.* Upon the receipt by the University of evidence satisfactory to it of the loss, theft, destruction or mutilation of any outstanding Bond hereby secured, and of indemnity satisfactory to them, and upon surrender and cancellation of such Bond if mutilated, the University may execute and deliver, upon the lapse of such period of time as they may deem advisable, a new Bond of like tenor and maturity bearing the same or a different serial number, to be issued in lieu of such lost, stolen, destroyed or mutilated Bond. Such new Bond may bear such endorsement as may be prescribed by the University and which at the time is necessary to conform to the requirements of any securities exchange or of any governmental body having jurisdiction. The University may require the payment of a sum not exceeding Two Dollars (\$2.00) for each new Bond issued under this Section 2.09, and of the expenses which may be incurred by the University in the premises.

ARTICLE THREE

REDEMPTION OF BONDS

SECTION 3.01. Whenever the University shall determine to exercise its right to redeem any Bonds issued hereunder and by their terms subject to redemption, notice of such redemption shall be published by the University in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois. Any such published notice shall be deemed sufficiently given if it shall have been published at least once in each of two successive calendar weeks in such newspaper and if the first such publication shall have been made not less than 30 days nor more than 60 days prior to such redemption date. Such notice shall with substantial accuracy (a) designate the

time and place of such redemption; (b) if the Bonds to be redeemed are less than all of the Bonds of any series or maturity, designate the numbers, the maturity date or dates and the aggregate principal amount of such Bonds; and (c) state that on the designated date of redemption such Bonds will be redeemed by payment of the principal amount thereof (or for the portion thereof to be redeemed) and all unpaid interest accrued thereon to the date of redemption plus the applicable premium, if any, and that from and after such designated redemption date interest in respect of the Bonds (or portions thereof) so called for redemption shall cease. A copy of said notice shall be mailed by the University, postage prepaid, at least 30 days prior to the redemption date to all registered owners of Bonds so to be redeemed at their last addresses appearing on the registration books of the University, but such mailing shall not be a condition precedent to the validity of the redemption of any Bond.

In case of redemption of Bonds through the operation of any sinking fund or the Bond Retirement Account, Bonds shall be selected for redemption and such redemption shall likewise be made upon publication and/or mailing of notice in the manner and with the effect provided in this Article.

SECTION 3.02. In case the University shall have elected to redeem less than all of the outstanding Bonds of any series or maturity, or in case less than all the outstanding Bonds of any series or maturity shall be redeemed through the operation of any sinking fund applicable thereto or of the Bond Retirement Account, the Bonds to be redeemed shall be selected by lot except as herein otherwise expressly provided. In each such instance the University shall, at least five days before the date upon which the first publication of the notice of redemption hereinbefore mentioned is required to be made (or the mailing of such notice in case no publication is required as hereinafter specified), draw by lot, from the outstanding Bonds of such series and maturity, in any manner deemed by it proper, the identifying numbers of the Bonds to be redeemed. In any such selection by lot each Bond of a denomination in excess of \$1,000 shall be given a separate number for each \$1,000 of the principal amount thereof.

In case any fully registered Bonds are to be redeemed in part only, said notice shall specify the respective portions of the principal amounts thereof to be redeemed (which shall be \$1,000 or any multiple thereof) and shall state that payment of the redemption price shall be made only upon presentation of such fully registered Bonds (a) for the notation thereon of such payment on account of principal, or (b) for surrender in exchange for a coupon Bond or Bonds or a fully registered Bond or Bonds of the same series and maturity, of authorized denominations in aggregate principal amount equal to the unredeemed portion of the principal amount thereof; and in such case, if coupon Bonds or fully registered Bonds are so to be delivered in exchange, the University shall execute and deliver to or upon the written order of the registered owner of any fully registered Bonds, a portion only of which is to be redeemed, and at the expense of the University, a new Bond or Bonds of the same series and maturity for the principal amount of the surrendered fully registered Bond less the principal amount thereof paid on surrender.

In the event of the payment of a portion of the principal amount of any fully registered Bond registered in the name of any initial purchaser in whose name Bonds of that series were first registered, or registered in the name of any subsequent holder for the benefit of whom University shall elect that the provisions of this paragraph shall be applicable thereto (which election shall be subject to the condition that such subsequent holder shall first agree not to make any sale or transfer of any Bond or Bonds registered in its name without presentation of such Bond or Bonds for transfer and exchange), then in such event the University shall make payment to such Bond holder without requiring presentation of such Bond and, in lieu of noting such payment thereon or of delivering a new Bond or Bonds of an aggregate principal amount equal to the unredeemed portion of the principal amount of such Bond, the University shall, in its letter transmitting payment to such Bond holder, instruct such holder to endorse such payment on such Bond and a written representation from such holder to the University that such payment has been so endorsed shall be conclusive evidence of such endorsement and payment.

The foregoing is subject to the condition that if, at the close of business on the fortieth day prior to a redemption date on which the University shall elect

to redeem all or any part of the Bonds of any series or a redemption date on which less than all the outstanding Bonds of any series are to be redeemed through the operation of any sinking fund or the operation of the Bond Retirement Account, all of the outstanding Bonds of such series shall be coupon Bonds registered as to principal, or fully registered Bonds, then publication of notice of redemption as provided in Section 3.01 of this Article shall not be required, but notice of such redemption shall be mailed by the University by registered or certified mail, postage prepaid, not less than 30 days nor more than 60 days prior to such redemption date to the registered owners of all Bonds to be redeemed to their respective addresses as the same shall then appear on the said registration books.

The foregoing provisions are further subject to the following conditions:

(i) if all of the Bonds of any series or maturity then outstanding are registered in the names of not to exceed 15 owners, the Bonds of such series and maturity so to be redeemed shall not be selected by lot as above provided, but the aggregate principal amount of Bonds of such series and maturity to be redeemed shall be apportioned by the University pro rata, as nearly as practicable in amounts of \$1,000 or any integral multiple thereof, among the registered owners of Bonds of such series and maturity of record, in the proportion that the aggregate principal amount of Bonds of such series and maturity held by each such registered owner bears to the aggregate principal amount of Bonds of such series and maturity then outstanding; and

(ii) if all the then outstanding Bonds of such series and maturity are not registered or are registered in the names of more than 15 owners, but one or more of the then outstanding Bonds of such series and maturity are then registered in the name of any of the initial holders in whose names such Bonds were first registered, the aggregate principal amount of Bonds to be redeemed shall be apportioned by the University pro rata, as nearly as practicable in amounts of \$1,000 or any integral multiple thereof, between each such initial holder concerned and, collectively, all of the other then owners of such outstanding Bonds in the proportion that the aggregate principal amount of registered Bonds of such series and maturity held by each such initial holder concerned, and the aggregate principal amount held, collectively, by holders other than initial holders respectively bears to the aggregate principal amount of such Bonds then outstanding, provided that the amount so apportioned for redemption of such Bonds not registered in the name of any of the said initial holders shall be applied to the redemption of such of said Bonds of such series and maturity as are selected by lot in the manner above provided.

In all cases, the cost and expenses of preparation, publication, and mailing of said notice of redemption shall be paid by the University.

SECTION 3.03. Said notice having been given, as above provided, the Bonds designated for redemption shall, on the date specified in such notice, become due and payable, at the then applicable redemption price, and on or before the day preceding the date fixed for redemption the University shall deposit with the Sears Bank and Trust Company, or its successor in the City of Chicago, Illinois, as paying agent, the redemption price of the Bonds called for redemption and accrued interest thereon to the date fixed for redemption. Upon such deposit having been made and on presentation, if required, of such Bonds in accordance with such notice at the place at which the same are expressed in such notice to be redeemable, with all appertaining coupons, if any, maturing after said redemption date, such Bonds shall forthwith after the making of such deposit be paid by the paying agent, on behalf of the University, at such redemption price. Such payment of the redemption price shall be made to the bearer of any such Bonds, unless it shall then be registered, in which case such payment shall be made to the registered owner. All unpaid interest installments represented by coupons which shall have matured on or prior to the date of redemption specified in such notice, shall continue to be payable to the bearers, severally and respectively, and the redemption price payable to the holders of Bonds presented for redemption shall not include such unpaid installments of

interest unless coupons representing such installments shall be attached to the Bonds presented for redemption.

SECTION 3.04. If the amount necessary to redeem all of the Bonds called for redemption as aforesaid shall have been deposited with the paying agent, for the account of the holder or holders of such Bonds on or before the day preceding the date specified for such redemption, and the notice hereinbefore mentioned shall have been duly given, and all charges and expenses of the paying agent in connection with such redemption, or otherwise hereunder, shall have been fully paid or provided for, the University shall be privileged to consider such Bonds redeemed from the holder or holders thereof, and interest on such Bonds shall cease on the date specified for such redemption, and the University shall thereupon (subject to the provisions of Article Twelve hereof) be discharged from and after the redemption date specified in such notice from further liability in respect of the Bonds so called for redemption, and thereafter such Bonds shall not be entitled to any benefit of or from this Resolution. In case any question shall arise as to whether any such notice shall have been sufficiently given, or such redemption effected, such question shall be decided by the paying agent, and the decision of the paying agent shall be final and binding upon all parties in interest. No holder of any Bond shall be entitled to any interest on money deposited for the redemption of Bonds.

SECTION 3.05. All Bonds redeemed and paid, as provided in this Article Three, shall, together with all coupons appertaining thereto, if any, be cancelled by the University and no Bonds or coupons so redeemed shall be reissued, nor shall any Bonds or coupons be issued in lieu thereof.

SECTION 3.06. *Pro Rata Redemption Among Series.* In any case of the redemption at the option of the University of less than all of the outstanding Bonds then subject to redemption, no Bonds of any series may be redeemed unless the same proportion of the outstanding Bonds of each other series then subject to redemption are redeemed at the same time; provided, however, that in any case of the redemption of all of the outstanding Bonds of any one or more series, as a result of or in anticipation of the refunding or refinancing of one or more such series by the application of funds derived from other borrowings or the issuance of additional Bonds hereunder, no Bonds of any other series need be redeemed unless so required in the resolution supplemental hereto, creating or authorizing any additional series of Bonds. Nothing in this section shall be deemed to restrict the redemption by the University of a portion of the Bonds of any Series out of surplus funds remaining in a Construction Fund Account held for the account of Bonds of such series in any case where the University is required or permitted to redeem such Bonds out of such surplus funds.

ARTICLE FOUR

ISSUANCE OF BONDS

SECTION 4.01. *Issuance of Series 1959 Bonds.* Series 1959 Bonds in the principal amount of Seven Million Seven Hundred Fifty Thousand Dollars (\$7,750,000) shall be executed on behalf of the Board of Trustees and delivered to or upon the written order of the Comptroller.

SECTION 4.02. *Issuance of Additional Bonds.* Subject to the conditions and limitations hereinafter set forth and provided the University shall not at the time be in default under any of the terms, covenants or provisions of this Resolution, additional Bonds of equal rank with the Series 1959 Bonds may be issued from time to time under the terms of this Resolution having such maturities, providing for the payment of such rates of interest and having such other characteristics as shall be determined by the Board of Trustees and set forth in a resolution to be supplemental hereto; *provided* such additional Bonds shall be issued only for one or more of the following purposes:

A. To provide funds necessary to pay the cost of completing the Project herein provided for in accordance with the plans and specifications now on file in the office of the Physical Plant Department, Administration Building, Urbana, Illinois, or

B. Paying the cost of equipping, enlarging or improving the Project;

provided further that the following conditions precedent are complied with at or prior to the time of issuance of such additional Bonds:

(i) In the event additional Bonds are issued for the purposes indicated in clause A above to provide additional funds necessary to pay the cost of completing the Project, the Architects employed by the University for the construction of said Project have submitted a certificate to the Board of Trustees setting forth an itemized statement of the work completed to the date of said certificate, the cost thereof and an itemized statement of the work yet to be completed and the estimated cost of the work to be completed and such certificate of estimate shall be presented to and approved by said Board of Trustees preceding the adoption of any resolution authorizing the issuance of additional Bonds for such purpose, and

(ii) In the event additional Bonds are issued for the purpose of paying the cost of equipping, enlarging or improving the Project as provided in clause B above, the Net Income Available for Debt Service shall be equal to or greater than one and twenty-five hundredths (1.25) times the maximum amount to become due in any succeeding fiscal year prior to June 30, 1984, for the purpose of making Fixed Sinking Fund payments and interest payments on the Bonds then outstanding hereunder and the Bonds then to be issued, less any Bonds which are to be redeemed or retired with the proceeds of such additional Bonds or concurrently with issuance thereof.

All such additional Bonds shall be issued pursuant to a resolution supplemental hereto, duly adopted by the Board of Trustees, setting forth the form of such additional Bonds and the terms and conditions applicable thereto. Any additional Bonds issued in accordance with this Section shall mature not earlier than October 1, 1984, except that provisions may be made for a fixed sinking fund for the benefit of such additional Bonds having the effect of amortizing such additional Bonds over a period not shorter than the remaining life of any of the then outstanding Bonds. For the purpose of this Section any computation of Net Income Available for Debt Service prepared and certified by the Comptroller, setting forth in detail the computation thereof and demonstrating that it is equal to or greater than the amount required above shall be binding and conclusive upon the Board of Trustees and the holders of all Bonds then outstanding hereunder and then to be issued.

ARTICLE FIVE

PROVISIONS RELATING TO INCOME AND APPLICATION THEREOF

SECTION 5.01. *Assembly Hall Revenue Bond Fund.* All revenues derived from the following sources are hereby pledged and shall be held in trust for the benefit of the Bond holders for the purpose of making the payments or deposits required to be made under subsections (a), (b) and (c) of Section 5.02 of this Resolution:

(1) the operation of the Project,
(2) the operation of any other revenue producing facilities for the account of which additional Bonds may hereafter be issued; and
(3) student service charges;
and such revenues shall be deposited as collected in a general banking account of the University to the credit of a special fund which is hereby created and designated as the "Assembly Hall Revenue Bond Fund" said account to be maintained in a bank which is a member of the Federal Deposit Insurance Corporation and the Board of Trustees covenants that all revenues, income, receipts, profits, rates, rents or charges derived from the operation of such facilities shall be so credited within three working days after receipt in the Assembly Hall Revenue Bond Fund and shall be used as provided in Section 5.02 hereof.

SECTION 5.02. *Disposition of Assembly Hall Revenue Bond Fund.* The funds in the Assembly Hall Revenue Bond Fund shall be used in the manner and in the order hereinafter mentioned:

(a) All current operating expenses shall first be paid from the Assembly Hall Revenue Bond Fund.

(b) There are hereby created an Interest Account, Interest Reserve Account, a Fixed Sinking Fund Account and a Bond Retirement Account

each of which accounts shall be maintained with Sears Bank and Trust Company or its successor in the City of Chicago, Illinois, which bank is hereby designated as the depository for said accounts and into which there shall be deposited in the manner and in the order hereinafter mentioned, monies held in the Assembly Hall Revenue Bond Fund after first complying with the provisions of subsection (a) above, in accordance with the following provisions:

(i) There shall be deposited to the credit of the Interest Account, semiannually not later than ten days prior to April 1 and October 1 of each year, funds which, together with any funds then on deposit in said account, will be sufficient to pay the interest becoming due on the next ensuing interest payment date and such funds shall be used for the payment of said interest.

(ii) There shall be deposited to the credit of the Interest Reserve Account semiannually within sixty days following June 30 and December 31 of each year all funds remaining in the Assembly Hall Revenue Bond Fund until such time and until such funds and investments (valued at the lower of cost or market) and the income and profit realized from any investment thereof are at least equal to all interest due and to become due on all then outstanding bonds for the succeeding twenty-four month period. Said funds shall be held and used only for the payment of interest due on said bonds by transferring said funds to the Interest Account at any time when there are no other funds available to pay interest then due on said Bonds, and to the extent necessary, funds to the credit of the Interest Reserve Account shall be transferred to the credit of the Interest Account for payment of interest, and if at any time by reason of such transfer, said Interest Reserve Account is reduced below an amount equal to the interest due and to become due on all the then outstanding Bonds for the next succeeding twenty-four month period, funds shall again be deposited to the credit of said Interest Reserve Account from the Assembly Hall Revenue Bond Fund in the manner hereinbefore provided until said Interest Reserve Account contains an amount equal to all interest due and to become due on all then outstanding Bonds for the next succeeding twenty-four month period. The funds of said Interest Reserve Account may be invested in United States Government Securities maturing not more than three (3) years after the date of purchase. If, at any time and from time to time, said funds on deposit in the Interest Reserve Account shall exceed an amount equal to all interest due and to become due on all then outstanding Bonds for the next succeeding twenty-four month period, the excess, if any, may at the option of the University, be transferred to the Interest Account in anticipation of interest to become due on the Bonds on succeeding interest payment dates.

(iii) After complying with the provisions of subsections (i) and (ii) above there shall be deposited to the credit of the Fixed Sinking Fund Account such amount as shall be necessary to meet the Fixed Sinking Fund payments required to be made by Article Eight during the next succeeding twelve (12) month period.

(iv) Annually within sixty (60) days following June 30, 1966 and June 30 of each year thereafter there shall be credited to the Bond Retirement Account an amount equal to the greater of (1) 12½% of the sum of (x) the Fixed Sinking Fund Payment required to be made on the next ensuing October 1 pursuant to Article Eight hereof plus (y) the interest paid or accrued on all Bonds outstanding during the 12 months period preceding such June 30 or (2) fifty per cent (50%) of all funds credited to the Assembly Hall Revenue Bond Fund during the preceding fiscal year after deduction for all amounts withdrawn from said Fund pursuant to subsection (a) above and clauses (i), (ii) and (iii) of this subsection (b). Funds so credited to the Bond Retirement Account shall be used for the redemption of Bonds in accordance with the provisions of Article Nine hereof.

(c) All funds remaining in said Assembly Hall Revenue Bond Fund

in any fiscal year in excess of the amount needed to satisfy the next succeeded Fixed Sinking Fund Payment and after all provisions in subsections (a) and (b) of this section have been met and all deficiencies have been made up, shall be deemed surplus moneys and shall be used for any of the following purposes: (1) for calling and redeeming the outstanding Bonds, which by their terms are redeemable prior to maturity; (2) for purchasing Bonds in the open market, with all unmatured interest coupon thereto attached at the lowest prices reasonably attainable, but not exceeding the amount at which such Bonds at the time are redeemable at the option of the University; (3) for investment by the comptroller in United States Government securities until such time as funds are needed for other purposes; (4) for unusual or extraordinary repairs, replacements or improvements to the facilities, for which no funds can be properly provided in subsection (a) hereinabove; and (5) for any lawful purpose as the Board of Trustees may direct.

SECTION 5.03. *Supplementation of Revenues.* It is hereby determined by the Board of Trustees, and it is hereby covenanted that it is necessary to supplement revenues to be derived from the facilities, referred to in this Resolution, by the use of University income which is authorized by law to be retained in the Treasury of the University, and it is hereby further covenanted that if at the close of any fiscal year there is a deficiency in the Assembly Hall Revenue Bond Fund to provide for operating expenses of the facilities and/or making the deposits in the Interest Account, the Interest Reserve Account, the Fixed Sinking Fund Account and the Bond Retirement Account provided for in Section 5.02 of this Resolution in the required amounts, the Board of Trustees shall within sixty (60) days after the close of the fiscal year deposit to the credit of the said Assembly Hall Revenue Bond Fund out of University income authorized by law to be retained in the Treasury of the University, a sum sufficient to make up such deficiency in order to meet the annual cost of maintenance and operation of the facilities, and provide for all the accounts and covenants provided for by this Resolution or any resolution supplemental hereto, but such amount shall not, however, exceed in any one fiscal year the lesser of (a) an amount which when added to the revenues to be derived from the facilities will be sufficient to meet the annual operating expenses of the facilities and to provide for the payments required to be made into the Interest Account, Interest Reserve Account, the Fixed Sinking Fund Account and the Bond Retirement Account established for the benefit of the Bonds in subsection (b) of Section 5.02 hereof or (b) \$200,000, plus such additional sums as may be specified in any resolution supplemental hereto creating or authorizing the issuance of additional Bonds.

ARTICLE SIX

APPLICATION OF PROCEEDS OF SALE OF BONDS

SECTION 6.01. *Custody and Application of Bond Proceeds.* The proceeds from the sale of Bonds to be issued from time to time hereunder shall be applied only toward the cost of acquiring, constructing, equipping, enlarging, or improving facilities, all as hereinbefore provided. When received, the part of the purchase price of Bonds representing the interest accrued on Bonds to the date of payment of such purchase price shall be deposited in the Interest Reserve Account, together with such portion of the proceeds of the Bonds as is determined by the Board of Trustees to be necessary to so set apart representing interest to become due on such Bonds prior to the time the facilities for the account of which such Bonds have been issued become revenue producing and funds become available therefrom. The remaining part of such purchase price shall be retained by the University and accounted for as a separate fund or funds for each project to be known as a "Construction Fund Account" for such project and such moneys shall be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation. The moneys in each Construction Fund Account shall be applied only toward the cost of construction in the manner and subject to the terms provided in any contract or agreement between the Board of Trustees and any purchaser of Bonds or as may be provided by a resolution supplemental hereto and relating to each separate series of Bonds to be issued hereunder, but in such a manner as to assure completion of the project

or improvement for the account of which such Bonds were issued free and clear of mechanic's liens and substantially in accordance with the plans and specifications therefor.

SECTION 6.02. *Investment of Construction Fund.* Pending disbursement for the purpose aforesaid the Comptroller may from time to time invest all or any part of the moneys in the Construction Fund Account not to be needed within the next succeeding thirty (30) days for the purposes hereinabove set forth in bonds, or other direct and general obligations of the United States of America having a maturity date or becoming due at the option of the holder not more than three (3) years subsequent to the date of investment therein. Interest accruing as a result of any such investments when received shall be credited to the Construction Fund Account.

SECTION 6.03. *Disposition of Surplus Funds.* After completion of each construction or improvement project, the Comptroller of the University shall execute a certificate to the effect that said project has been fully completed according to the plans and specifications and the same filed in the office of the Secretary of the Board of Trustees. Subject to the terms and provisions of any contract or agreement between the Board of Trustees and any original purchaser of Bonds and relating to any separate series of Bonds to be issued hereunder, if there be funds remaining in a Construction Fund Account at the time of the filing of such certificate with the Secretary, said funds shall be withdrawn by the Comptroller and deposited in the Assembly Hall Revenue Bond Fund. Any contract or agreement between the Board of Trustees and any original purchaser of Bonds may provide that any funds remaining in a Construction Fund Account established for the account of any series of Bonds being acquired by such purchaser be applied to (i) the redemption of such Bonds or other Bonds then subject to redemption, (ii) the purchase of Bonds on the open market, or (iii) the construction of additional facilities by the transfer of such funds to another Construction Fund Account.

ARTICLE SEVEN

ADDITIONAL COVENANTS OF THE UNIVERSITY

The Board of Trustees of the University of Illinois hereby covenants and agrees as follows:

SECTION 7.01. *Authority for Bonds.* That is duly authorized under the laws of the State of Illinois and under all other applicable provisions of law to create and issue the Bonds herein provided for, and to pledge and apply the net income of the facilities as herein provided; that all corporate and other action on its part for the creation and issuance of the initial issue of Bonds has been duly taken; that said Bonds when issued and in the hands of the holders thereof will be valid and enforceable obligations of the University according to the import thereof; that this Resolution is and will remain a valid Resolution to secure the payment of said Bonds and that the University has complete and lawful authority and privilege to acquire, construct, equip, operate, enlarge, improve, maintain, control and manage the facilities as herein provided.

SECTION 7.02. *Right to Use and Occupancy of the Facilities and Not to Encumber Same.* That it hereby warrants that it has a valid and existing right to the use and occupancy of the Project Site and the right to construct, equip, operate, enlarge, improve, maintain, control and manage the Project and it, or the State of Illinois, has indefeasible title in fee simple to the Project Site subject only to current taxes not in default; that it will not further encumber said property or the income therefrom and that it will not, while any Bonds are outstanding hereunder encumber the title to or pledge or agree to pay to others the income from any of the said facilities; that it will within three months after the same shall accrue pay and discharge or cause to be paid and discharged, all lawful claims and demands of mechanics, laborers and others which if unpaid might by law become liens upon the facilities or the sites thereof.

SECTION 7.03. *To Pay Principal and Interest.* That it will duly and punctually pay or cause to be paid the principal sum and the interest accruing on said principal, on each and every one of the Bonds secured or to be secured hereby,

at the dates and places, and in the manner provided in said Bonds, and in the coupons thereunto appertaining, according to the terms thereof.

SECTION 7.04. *Taxes.* That it will pay and discharge all taxes, assessments and Governmental charges which shall be lawfully imposed upon the facilities provided, however, that the University shall not be required to pay any such tax, assessment, charge or claim so long as the University in good faith and by appropriate legal proceedings shall contest the validity thereof or its enforceability as a lien, and provided further that any such delay occasioned thereby shall not subject the facilities or any part thereof to forfeiture or sale.

SECTION 7.05. *Payment of Bondholders' Costs and Expenses.* That it will pay all and singular the costs, charges and expenses including reasonable attorney fees incurred or paid at any time by the holder of any of the Bonds because of the failure on the part of the University to perform, comply with and abide by each and every of the stipulations, agreements, conditions and covenants of the Bonds and this Resolution, or either of them.

SECTION 7.06. *Construction of New Facilities, Maintenance, Repairs, Application of Income, Operation of Additional Facilities.* That following the issuance of each series of Bonds under this Resolution it will cause the facilities for the account of which such Bonds were issued to be constructed with all reasonable dispatch; that it will at all time from income made available for such purpose maintain, preserve and keep all the facilities and all additions and betterments thereto and every part and parcel thereof in good repair, working order and operating condition; that it will continuously operate the facilities on a revenue producing basis; and that it will use and apply the income from the facilities only as provided in Article Five of this Resolution.

SECTION 7.07. *Student Service Charges and Rental Rates.* That so long as any Bonds herein authorized to be issued shall remain outstanding it will continuously operate and maintain the facilities, will adopt such rules and regulations and fix and maintain such student service charges, rates, rents, fees, and charges for the use of said facilities, as will assure maximum use of the facilities and will provide revenue sufficient (when supplemented to the extent set forth in Section 5.03) to pay the reasonable cost of operating and maintaining the facilities, and to provide Net Income Available for Debt Service of not less than one and twenty-five one hundredths (1.25) times the fixed annual debt service for the then current fiscal year and maintain the aforesaid Interest Account, Interest Reserve Account, Fixed Sinking Fund Account, and the Bond Retirement Account, and that it will collect and account for and apply the aforesaid income and revenues in accordance with and as provided by this Resolution.

Student service charges for the use of the Project shall initially be charged at the rate of sixteen dollars (\$16) per student per semester beginning with the semester following the date of substantial completion of the Project.

SECTION 7.08. *Record Keeping.* That it will, so long as any of the Bonds issued hereunder remain outstanding and unpaid, keep proper and separate books of accounts and records in which full, true and correct entries will be made of all dealings and transactions relating to the properties, business and financial affairs of the University as related to the facilities and such records and books shall be open to inspection by the Bond holders and their agents or representatives.

SECTION 7.09. *Audit Reports and Furnishing of Same.* That it will on or before one hundred fifty (150) days after the end of each fiscal year commencing with the fiscal year ending June 30, 1960 furnish upon written request therefor, to the holder or holders of any Bonds, certified reports of audit based on an examination sufficiently complete to comply with generally accepted auditing standards, prepared by an independent public accountant or firm of independent public accountants, covering the operations of the facilities for the fiscal year next preceding, and showing the income and expenses for such period. Such audit report shall include a statement in reasonable detail of income from each separate facility and shall show the student enrollment of the University and the schedule of student service charges. Such audit report shall also include statements of the status of each fund or account established under the terms of Article Five hereof showing the amount and source of the deposits therein, the amount and purpose of the withdrawals therefrom and the balance therein at the

beginning and end of the fiscal year. There will also be included with each audit report a written opinion of the accountant that in making the examination necessary to said audit no knowledge of any default by the University in the fulfillment of any of the terms, covenants, provisions and conditions of this Resolution was obtained, or, if such accountant shall have obtained knowledge of such default a statement of the default or defaults thus discovered and the nature thereof.

SECTION 7.10. *Fire and Extended Coverage Insurance.* That as long as any of said Bonds authorized to be issued hereunder shall remain outstanding and unpaid, either as to principal or interest, or both, it will maintain insurance on said facilities, including all equipment thereof, against loss or damage by fire and windstorm and all other risks included in extended coverage insurance in amounts sufficient to provide for not less than full recovery of the insurable value whenever the loss from causes covered by such insurance does not exceed eighty per cent (80%) of the full insurable value of said buildings. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois, and all moneys collected on account of loss or damage covered by any such policy or policies of insurance shall be held in trust by the Board of Trustees and shall be used only for restoration of the property so damaged or, at the election of the Board of Trustees, deposited for credit to the Bond Retirement Account.

ARTICLE EIGHT

FIXED SINKING FUND FOR SERIES 1959 BONDS

SECTION 8.01. The University covenants that so long as any of the Series 1959 Bonds shall remain outstanding it will pay or cause to be paid out of funds in the Fixed Sinking Fund Account as and for a sinking fund to be used for the retirement of the Series 1959 Bonds, the sum in cash on October 1 of each of the years 1967 through 1982, both inclusive (October 1 of each of said years being hereinafter referred to as "sinking fund payment dates") as follows:

<i>Year</i>	<i>Amount</i>
1967	\$135,000
1968	195,000
1969	250,000
1970	320,000
1971	340,000
1972	360,000
1973	385,000
1974	410,000
1975	430,000
1976	460,000
1977	485,000
1978	510,000
1979	540,000
1980	575,000
1981	605,000
1982	200,000

SECTION 8.02. All amounts so paid as and for the sinking fund shall be applied to the redemption of outstanding Series 1959 Bonds in the manner and upon the terms and conditions specified in Article Three hereof at a redemption price equal to the principal amount of the Series 1959 Bonds so redeemed, plus accrued interest thereon to the date of redemption and without premium. The University covenants that it will publish and/or mail notices as required by Article Three not less than thirty (30) days prior to each sinking fund payment date so that the Series 1959 Bonds to be redeemed through the operation of said sinking fund will be redeemed on each of said sinking fund payment dates.

SECTION 8.03. It is the intention hereof that the sinking fund payments made under Section 8.01 shall be applied to the redemption of the Series 1959 Bonds in principal amount equal to such payments and that no part of such payment shall be used for the payment of interest or any expenses of such redemption. Accordingly the University covenants to pay from the Interest

Account or the Interest Reserve Account simultaneously with or prior to each sinking fund payment a further sum equal to the unpaid interest to the designated redemption date on the Series 1959 Bonds to be redeemed and all expenses of redemption of the Bonds through the sinking fund shall be paid by the University from the Assembly Hall Revenue Bond Fund and shall not be charged against the moneys in the Fixed Sinking Fund Account.

ARTICLE NINE

DISPOSITION OF BOND RETIREMENT ACCOUNT

SECTION 9.01. The University covenants that so long as any Bonds shall remain outstanding it will on October 1, 1966 and on October 1 of each year thereafter apply all funds on deposit in the Bond Retirement Fund to the redemption of outstanding Bonds in the manner and upon the terms and conditions specified in Article Three hereof at a redemption price equal to the principal amount of the Bonds so redeemed plus accrued interest thereon to the date of redemption, together with a premium in the case of the Series 1959 Bonds equal to the following percentages of such principal amounts if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
October 1, 1966 through October 1, 1969.....	2½%
October 1, 1970 through October 1, 1973.....	2 %
October 1, 1974 through October 1, 1977.....	1½%
October 1, 1978 through October 1, 1981.....	1 %
October 1, 1982 and thereafter without premium.	

With respect to any series of Bonds, other than the Series 1959 Bonds, the applicable premium, if any, shall be set forth in the resolution supplemental hereto creating or authorizing the issuance of such additional series of Bonds.

SECTION 9.02. The University covenants that it will publish and/or mail notices as required by Article Three not less than thirty (30) days prior to October 1 of each of the years in which Bonds are to be redeemed out of funds on deposit in the Bond Retirement Fund so that the Bonds so to be redeemed will be redeemed on October 1 of said years.

SECTION 9.03. It is the intention hereof that payments to be made pursuant to this Article Nine shall be applied to the redemption of Bonds in principal amount plus the premium, if any, equal to such payments and no part of such payment shall be used for the payment of interest or any expenses of such redemption. Accordingly, the University covenants to pay simultaneously with each redemption out of funds in the Bond Retirement Account a further sum equal to the unpaid interest to the designated redemption date on the Bonds so to be redeemed from funds on deposit in the Interest Account or the Interest Reserve Account and all expenses of redemption of the Bonds pursuant to this Article Nine shall be paid by the University from the Assembly Hall Revenue Bond Fund and shall not be charged against the moneys on deposit in the Bond Retirement Account and required to be applied to the redemption of Bonds pursuant to the provisions hereof.

ARTICLE TEN

EVENTS OF DEFAULT

SECTION 10.01. *Events of Default.* The University shall be in default herein if one or more of the following events (herein called "events of default") shall happen, to-wit:

(a) Failure to make due and punctual payment of the principal of or any redemption premium on any Bond when and as the same shall become due and payable;

(b) Failure to make due and punctual payment of any installment of interest on any Bond when and as such interest installment shall become due and payable, and such default shall have continued for a period of thirty (30) days;

(c) Failure to make due and punctual payment or satisfaction of any payment into the Interest Reserve Account, the Fixed Sinking Fund Account

or the Bond Retirement Account when and as such payments shall become due and payable as in this Resolution or any resolution supplemental hereto expressed and such default shall have continued for a period of two hundred seventy (270) days;

(d) If the University shall default in the observance of any other covenants, agreements or conditions on its part in this Resolution or any resolution supplemental hereto or in the Bonds contained, and such default shall have continued for a period of ninety (90) days after notice thereof given to the University by the holder of any Bond setting forth the nature of such default.

If an event of default shall happen and be continuing, then and in each and every such case the holders of not less than a majority in aggregate principal amount of the Bonds at the time outstanding shall be entitled, upon notice in writing to the University, to declare the principal of all of the Bonds then outstanding hereunder and the interest accrued thereon to be due and payable immediately, and upon any such declaration the same shall become and shall be immediately due and payable, anything in this Resolution or in the Bonds contained to the contrary notwithstanding.

All of the revenues of the facilities including all sums in the Assembly Hall Revenue Bond Fund upon the date of the happening of any event of default and all revenues of the facilities thereafter received by the University, shall be applied by the University in the order following upon presentation of the several Bonds and coupons, and the stamping thereon of the payment if only partially paid, or upon the surrender thereof if fully paid:

First, to the payment of the costs and expenses of the holders of the Bonds in declaring such event of default, including reasonable compensation to their agents, attorneys and counsel;

Second, in case the principal of the Bonds shall not have become due and shall not then be due and payable, to the payment of the interest in default in the order of the maturity of the installments of such interest, with interest on the overdue installments at the rate now or hereafter provided by law, such payments to be made ratably to the persons entitled thereto without preference or priority;

Third, in case the principal of the Bonds shall have become due and shall be then due and payable, to the payment of the whole amount then owing and unpaid upon the Bonds for principal and interest, with interest on the overdue principal at the rate or rates of interest specified in the Bonds and on installments of interest at the rate now or hereafter provided by law, and in case such moneys shall be insufficient to pay in full the whole amount so owing and unpaid upon the Bonds, then to the payment of such principal and interest without preference or priority of principal over interest, or of interest over principal, or of any installment of interest over any other installment of interest, ratably to the aggregate of such principal and interest.

SECTION 10.02. *Rights of Holders of Bonds Upon Default.* Subject to any contractual limitations binding upon the holders of any of the Bonds (including any other limitations herein upon the exercise of any remedy to holders holding a specific proportion or percentage of the Bonds), any holder of Bonds shall have the right, for the equal benefit and protection of all holders of Bonds similarly situated:

(a) By suit at law or proceedings in equity to compel observance by the University or by any of its officers, agents, and employees of any contract or covenant made by the University with the holders of bonds and coupons as provided in this Resolution, and to compel the University and any of its officers, agents and employees, to perform any duties required to be performed for the benefit of the holders of the Bonds or coupons as provided by this Resolution, and to enjoin the University and any of its officers, agents or employees from taking any action in conflict with any contract or covenant with the holders of the Bonds and coupons as provided by this Resolution;

(b) By action or suit in equity to require the University to account as if it were the trustee of an express trust; or

(c) By action or suit in equity to enjoin any acts or things which may be unlawful or in violation of the rights of the holders of Bonds.

No remedy conferred hereby upon any holder of Bonds is intended to be exclusive of any other remedy, but each such remedy is cumulative and in addition to every other remedy and may be exercised without exhausting and without regard to any other remedy conferred hereby. No waiver of any default or breach of duty or contract by the holder of any Bond shall extend to or shall affect any subsequent defaults or breach of duty or contract or shall impair any rights or remedies thereon. No delay or omission of the holder of any Bond to exercise any right or power accruing upon any default shall impair any such right or power or shall be construed to be a waiver of any such default or acquiescence therein. Every substantive right and every remedy conferred upon the holders of Bonds may be enforced and exercised from time to time and as often as may be deemed expedient. In case any suit, action or proceeding to enforce any right or exercise any remedy shall be brought or taken and then discontinued or abandoned, or shall be determined adversely to the holders of Bonds, then, and in every such case, the University and the holders of Bonds shall be restored to their former positions and rights and remedies as if no such suit, action or proceeding had been brought or taken.

ARTICLE ELEVEN

MODIFICATION AND AMENDMENT OF THE RESOLUTION

SECTION 11.01. *Amendment by Consent of Bond Holders.* This Resolution and the rights and obligations of the University and of the holders of the Bonds and coupons may be modified or amended at any time by resolution supplemental hereto adopted by the Board of Trustees pursuant to the affirmative vote of the holders of sixty-six and two-thirds per cent ($66\frac{2}{3}\%$) in principal amount of all of the Bonds then outstanding at a meeting of Bond holders held in accordance with this Article, or with the written consent without a meeting, given as provided in Section 11.04, of the holders of sixty-six and two-thirds per cent ($66\frac{2}{3}\%$) in principal amount of all of the Bonds then outstanding; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on, or otherwise alter or impair the obligation of the University to pay the principal or interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any Bond without the express consent of the holder of such Bond, or (ii) permit the creation by the University of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held hereunder, except as permitted by this Resolution, other than the lien and pledge created by this Resolution, or (iii) permit the creation of a preference or priority of any Bond or Bonds over any other Bond or Bonds or coupon or coupons, or (iv) reduce the percentages of Bonds required for the affirmative vote or written consent to an amendment or modification, without the written consent of holders of all Bonds.

SECTION 11.02. *Bond Holders Meetings.* The University may at any time call a meeting of the holders of Bonds. Every such meeting shall be held at such place in the City of Chicago, State of Illinois, as may be specified in the notice calling such meeting. Written notice of such meeting, stating the place and time of the meeting and in general terms the business to be submitted, shall be given by the University to the holders of all Bonds outstanding hereunder by registered or certified mail, postage prepaid, not less than thirty (30) nor more than sixty (60) days before such meeting, to each registered owner of Bonds then outstanding, at his address, appearing upon the books of registration, and in the event there shall then be outstanding any coupon Bonds which shall not be registered as to principal such notice shall also be published by the University at least once a week for two (2) successive weeks in a daily newspaper published in the English language and having a general circulation in the City of Chicago, State of Illinois, the first publication to be not less than thirty (30) nor more than sixty (60) days prior to the meeting; provided, however, that in any case where publication shall be required as herein before set forth the mailing of such notice shall in no case be a condition precedent to the validity of any action taken at any such meeting.

SECTION 11.03. *Attendance in Person or by Proxy.* Attendance and voting by Bond holders at such meeting may be in person or by proxy. Owners of Registered Bonds may, by an instrument in writing under their hands, appoint any person as their proxy to vote at any meeting for them.

In order that holders of Bonds payable to bearer or their proxies may attend and vote without producing their Bonds, the University may make and from time to time vary such regulations as it shall think proper for the deposit of Bonds with, or exhibit of Bonds to, any banks or trust companies wherever situated, and for the issue by them, to the persons depositing or exhibiting such Bonds, of certificates in form approved by the University which shall constitute proof of ownership entitling the holders thereof to be present and vote at any such meeting and to appoint proxies to represent them and vote for them at any such meeting in the same way as if the persons so present and voting, either personally or by proxy, were the actual bearers of the Bonds in respect of which such certificates shall have been issued, and any regulations so made shall be binding and effective. Copies of such regulations shall be kept on file in the offices of the paying agent in Chicago, Illinois, and the Secretary of the University.

Any registered owner of Bonds or any holder of a certificate provided for in this Section 11.03 shall be entitled in person or by proxy to attend and vote at such meeting as holder of the Bonds registered or certified in his name, without producing such Bonds. All others seeking to attend or vote at such meeting in person or by proxy must produce the Bonds claimed to be owned or represented at such meeting, and all persons seeking to attend or vote at such meeting in person or by proxy shall, if required, produce such further proof of Bond ownership or personal identity as shall be satisfactory to the University. All proxies presented at any meeting shall be delivered to the inspectors of votes and filed with the University.

SECTION 11.04. *Amendments by Written Consent of Bond Holders.* The University may at any time adopt a valid resolution amending the provisions of the Bonds or of this Resolution or of any resolution supplemental hereto, to the extent that such an amendment is permitted by the provisions of Section 11.01, to take effect when and as provided in this Section. A copy of such resolution, together with a request of the University to Bond holders for their consent thereto, shall be mailed by the University to each registered owner of Bonds and notice of the adoption thereof shall be published in the manner provided in Section 11.02 for the mailing and publication referred to in that Section (but failure to mail copies of such resolution and request shall not affect the validity of the resolution when assented to as in this Section provided). Such resolution shall not be effective unless and until there shall have been filed with the University the written consents of the percentage of holders of outstanding Bonds specified in Section 11.01. Each such consent shall be effective only if accompanied by proof of ownership of the Bonds for which such consent is given, which proof shall be such as is permitted by Section 11.03. Any such consent shall be binding upon the holder of the Bonds giving such consent and on any subsequent holder of such Bonds (whether or not such subsequent holder has notice thereof).

SECTION 11.05. *Supplemental Resolutions or Amendments Without Consent of Bond Holders.* The Board of Trustees may from time to time and at any time, subject to the conditions and restrictions in this Resolution contained, but without requiring the consent of the holders of any of the Bonds, adopt a resolution or resolutions supplemental hereto, which shall thereafter form a part hereof for any one or more or all of the following purposes:

(a) To add to the covenants and agreements of the University in this Resolution contained, other covenants and agreements thereafter to be observed and/or to surrender any right or power herein reserved to or conferred upon the Board of Trustees;

(b) To clarify any ambiguity or to clarify, correct or supplement, any defect or inconsistent provision contained in this Resolution or any resolution supplemental hereto; and

(c) To provide for the issuance of additional Bonds hereunder upon the terms and conditions in this Resolution specified.

SECTION 11.06. *Endorsement of Bonds.* Bonds delivered after the effective date of any action taken as provided in this Article Eleven may bear a notation by endorsement or otherwise in form approved by the University as to such action, and in that case upon demand of the holder of any Bond outstanding at such effective date and presentation of his Bond for the purpose at the office of the Comptroller of the University a suitable notation shall be made on such Bond by the University as to any such action. If the University shall so determine, new Bonds so modified as to conform to such action shall be prepared, authenticated and delivered, and upon demand of the holder of any Bond then outstanding shall be exchanged at the office of the Comptroller of the University, without cost to any Bond holder, for Bonds then outstanding, upon surrender of such Bonds with all unmatured coupons, if any, appertaining thereto.

SECTION 11.07. *Exclusion of Bonds.* Bonds owned or held by or for the account of the University shall not be deemed outstanding for the purpose of any vote or consent or other action or any calculation of outstanding Bonds in this Article provided for, and shall not be entitled to vote or consent or take any other action in this Article provided for.

ARTICLE TWELVE

MISCELLANEOUS

SECTION 12.01. *Benefits of Bond Holders Limited to Parties.* Nothing in this Resolution, expressed or implied, is intended or shall be construed to confer upon, or to give to, any person, firm or corporation other than the University and the holders of the Bonds and of the coupons outstanding, any right, remedy or claim under or by reason of this Resolution, and any covenants, stipulations, promises and agreements in this Resolution contained by and on behalf of the University shall be for the sole and exclusive benefit of the University and of the holders of Bonds and of the coupons outstanding.

SECTION 12.02. *Successor Is Deemed Included in All References to Predecessor.* Whenever in this Resolution or any resolution supplemental hereto either the University or the paying agent is named or referred to, such reference shall be deemed to include the successors or assigns thereof, and all the covenants and agreements in this Resolution contained by or on behalf of the University shall bind and inure to the benefit of the respective successors and assigns thereof whether so expressed or not.

SECTION 12.03. *Discharge of Resolution.* If all of the outstanding Bonds shall have matured, or shall have been duly called for redemption and the redemption date thereof shall have arrived, and if the University shall have deposited with the paying agent in trust, funds pursuant to this Resolution sufficient to pay and available for the payment of all amounts due on all Bonds then outstanding, including all principal, interest and redemption premiums, if any, and provision shall also be made for paying all other sums payable hereunder by the University, then, notwithstanding that any Bonds or interest coupons shall not have been surrendered for payment, the pledge of the income provided for in this Resolution and all other obligations of the University under this Resolution shall cease and terminate except as hereinafter in the next succeeding paragraph provided.

Any such funds held by the paying agent which have not been disbursed in the payment of Bonds and interest as aforesaid during the period of ten (10) years after the deposit referred to in the foregoing paragraph, shall be repaid to the University by the paying agent on written request of the University together with the schedule of the Bonds not paid or redeemed and thereupon the holder of any of the Bonds or coupons entitled to receive such payments, shall thereafter look only to the University for the payment thereof; provided, however, that the paying agent before being required to make such repayment, shall at the expense of the University, effect publication once a week for two successive weeks in a daily newspaper published in the English language, and having a general circulation in the City of Chicago, State of Illinois, a notice to the effect that said moneys have not been so applied and that after a date named in said notice, any unclaimed balance of said moneys then remaining will be refunded to the University.

No Bond or appurtenant coupon shall, after maturity thereof either accord-

ing to its terms or through call of such Bond for earlier redemption, be deemed to be outstanding provided that moneys in the requisite amount for the payment thereof shall have been deposited with the paying agent, as trust funds, and are available for payments of such Bond or coupon upon demand.

SECTION 12.04. *Execution of Documents by Bond Holders.* Any request, declaration or other instrument which this Resolution may require or permit to be signed and executed by Bond holders may be in one or more instruments of similar tenor, and shall be signed or executed by Bond holders in person or by their attorneys-in-fact appointed in writing.

Except as otherwise herein expressly provided, the fact and date of the execution by any Bond holder or his attorney-in-fact of such request, declaration or other instrument or writing appointing such attorney-in-fact may be proved by the certificate of any notary public or other officer authorized to take acknowledgments of deeds to be recorded in the State in which he purports to act, that the person signing such request, declaration or other instrument or writing acknowledged to him the execution thereof, or by an affidavit of a witness of such execution, duly sworn to before such notary public or other officer.

Except as otherwise herein expressly provided in this Resolution, the amount of Bonds transferable by delivery held by any person executing such request, declaration or other instrument or writing as a Bond holder, and the numbers thereof, and the date of his holding such Bonds, may be proved by a certificate, which need not be acknowledged or verified, satisfactory to the University, executed by a trust company, bank, investment banker, dealer, broker or other depository wherever situated, showing that at the date therein mentioned such person exhibited to or had on deposit with such depository the Bonds described in such certificate. Continued ownership after the date of deposit stated in such certificate may be proved by the presentation of such certificate if the certificate contains a statement by the depository that the Bonds therein referred to are in fact held on deposit by such depository and will not be surrendered without the surrender of the certificate to the depository. The University may nevertheless in its discretion require further or other proof in cases where it deems the same desirable. The ownership of registered Bonds and the amount, maturity, number and date of holding the same shall be proved by the registry books.

Any request, declaration or other instrument or writing of the owner of any Bond shall bind all future owners of such Bond in respect of anything done or suffered to be done by the University hereunder in good faith and in accordance therewith.

SECTION 12.05. *Waiver of Personal Liability.* No officer, agent or employee of the University shall be individually or personally liable for the payment of the principal of or interest on the Bonds; but nothing herein contained shall relieve any such officer, agent or employee from the performance of any official duty provided by law.

SECTION 12.06. *Official Publication.* Any publication to be made under the provisions of this Resolution in successive weeks may be made in each instance upon any business day of the week and need not be made on the same day of any succeeding week nor in the same newspaper for any or all of the successive publications, but may be made in different newspapers.

SECTION 12.07. *Partial Invalidity.* If any one or more of the covenants or agreements, or portions thereof, provided in this Resolution should be contrary to law, then such covenant or covenants, such agreement or agreements or such portions thereof, shall be null and void and shall be deemed separable from the remaining covenants and agreements or portions thereof and shall in no way affect the validity of this Resolution or of the Bonds.

SECTION 12.08. *Headings and Index.* Any headings preceding the texts of the several articles hereof and any table of contents appended to copies hereof shall be solely for convenience of reference and shall not constitute a part of this Resolution, nor shall they affect its meaning, construction or effect.

SECTION 12.09. *Covenants Not to Be Deemed Covenants of Any Present or Future Officer, Agent or Employee of University.* All covenants, stipulations, obligations and agreements of the University contained in this Resolution shall

be deemed to be covenants, stipulations, obligations and agreements of the University to the full extent authorized by law and permitted by the Constitution of the State of Illinois, and no covenants, stipulations, obligations or agreements contained herein shall be deemed to be a covenant, stipulation, obligation or agreement of any present or future officer, agent or employee of the University in his individual capacity, and no officer executing the Bonds shall be liable personally on the Bonds or be subject to any personal liability or accountability by reason of the issue thereof. No officer, agent or employee of the University shall incur any personal liability in acting or proceeding or in not acting or not proceeding in good faith, reasonably and in accordance with the terms of this Resolution and applicable law.

SECTION 12.10. *Resolution Effective on Passage.* This Resolution shall become effective upon its passage.

President

Attest:

Secretary

STATE OF ILLINOIS }
COUNTY OF CHAMPAIGN }SS.

I, -----, do hereby certify that I am the duly elected, qualified and acting Secretary of The Board of Trustees of the University of Illinois, and as such official have charge and custody of the minutes and records of said Board of Trustees.

I further certify that the attached resolution is a true, correct and exact copy of the original resolution adopted by The Board of Trustees of the University of Illinois at its legally convened meeting held on the ----- day of -----, 19-----, all as appears of record in my office.

IN WITNESS WHEREOF I have hereunto set my hand and the seal of said University this ----- day of -----, 19-----.

Secretary as aforesaid.

This resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Stratton, Mr. Wilkins.

RESOLUTION ON ASSEMBLY HALL BONDS PURCHASE AGREEMENTS
Mr. Swain, for the Finance Committee, offered the following resolution, and moved its adoption:

Resolved by The Board of Trustees of the University of Illinois (hereinafter called the "University") as follows:

WHEREAS, The University has heretofore determined that it is necessary to borrow money and issue and sell its revenue bonds in order to produce the funds necessary to construct and equip an Assembly Hall, and the officers of the University have negotiated separate Bond Purchase Agreements (hereinafter sometimes called "Purchase Agreements") with fourteen Insurance Companies as follows: Allstate Insurance Company, Allstate Life Insurance Company, Continental Casualty Company, The Lincoln National Life Insurance Company, State Farm Mutual Automobile Insurance Company, State Farm Life Insurance Company, State Farm Fire and Casualty Company, Connecticut General Life Insurance Company, Country Life Insurance Company, General American Life Insurance Company, Nationwide Life Insurance Company, Nationwide Mutual Insurance Company, Mutual Trust Life Insurance Company, and North American Life Insurance Company of Chicago (said Insurance Companies being hereinafter sometimes referred to as "Purchasers"), providing for the sale to said Purchasers of \$7,750,000 aggregate principal amount of Assembly Hall Revenue Bonds, Series

1959 (hereinafter called "Bonds") of the University to be issued under and entitled to the benefit of the provisions and having the characteristics specified in the Bond Resolution applicable thereto, heretofore adopted by this Board of Trustees this date, and

WHEREAS, There are before this meeting copies of the form of Purchase Agreement to be entered into between the University and each of said Purchasers relative to the issue and sale by the University and the purchase by said Purchasers of the \$7,750,000 aggregate principal amount of said Bonds, and

WHEREAS, It appears to this Board of Trustees and the several members thereof that it would be desirable and for the best interests of the University to execute and deliver Purchase Agreements with said Purchasers substantially in the form now before this meeting and hereby approved, and to issue and sell the said Bonds in the aggregate principal amount of \$7,750,000;

Now, Therefore, Be It and It Is Hereby Resolved, That the Comptroller of the University be and he is hereby authorized, empowered, and directed for and in the name and on behalf of the University to execute and deliver separate Agreements with said Purchasers substantially in the form of the Purchase Agreements now before this meeting, with such changes therein as shall be approved by said Comptroller at the time of executing the same, providing for the issuance and sale to said Purchasers of \$7,750,000 aggregate principal amount of the Bonds at a price of 100 per cent of the principal amount thereof, plus accrued interest thereon from the date of said Bonds to the date of delivery thereof and the execution and delivery of such Purchase Agreements by the Comptroller of the University shall constitute conclusive evidence of his approval of any departure therein from the form of Purchase Agreement now before this meeting and hereby approved.

Resolved Further, That the proper officers of the University shall be and they are hereby authorized and directed to cause to be prepared an issue of \$7,750,000 principal amount of the said Bonds having the characteristics, including sinking fund and redemption provisions, specified therefor in the Bond Resolution applicable thereto, heretofore adopted, and forthwith upon the execution and delivery of the said Purchase Agreements the proper officers of the University shall be and they are hereby authorized, empowered, and directed, for and in the name and under the corporate seal of the University to execute the said Bonds in the aggregate principal amount of \$7,750,000, and in such denominations as may be requested by the Purchasers thereof, and thereafter to sell and deliver the said \$7,750,000 aggregate principal amount of the Bonds to the Purchasers at a price of 100 per cent of the principal amount thereof plus accrued interest thereon from the date of the said Bonds to the date of delivery thereof, and otherwise in accordance with the terms and provisions of the said Purchase Agreements to be entered into between the University and the Purchasers.

Resolved Further, That the proper officers of the University shall be and they are hereby authorized, empowered, and directed to do all such acts and things and to execute and deliver all such documents as may be necessary or by them deemed desirable in order to carry out the purpose and intent of these resolutions, and all of the acts and doings of the officers of the University which are consistent with the purpose and intent of these resolutions shall be and the same are hereby in all respects ratified, approved, and confirmed.

This resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Stratton, Mr. Wilkins.

DEGREES CONFERRED IN JUNE

The Secretary presented for record the following lists of degrees conferred at the Chicago Professional Colleges on June 12, 1959, and at Urbana on June 13, 1959, in accordance with the authorization of the Board of Trustees.

Summary

Honorary Degrees, conferred at Urbana:

Doctor of Literature.....	1
Doctor of Laws.....	1
Doctor of Engineering.....	1
Doctor of Science.....	1
<i>Total, Honorary Degrees.....</i>	<i>(4)</i>

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	101
Doctor of Education.....	6
Master of Arts.....	85
Master of Science.....	357
Master of Music.....	12
Master of Education.....	76
Master of Social Work.....	21
Master of Fine Arts.....	5
Master of Architecture.....	5
Master of Accounting Science.....	1
Advanced Certificate in Education.....	3
<i>Total, Graduate College.....</i>	<i>(672)</i>

Degrees in Law, conferred at Urbana:

Bachelor of Laws.....	53
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Degrees in Veterinary Medicine, conferred at Urbana:

Bachelor of Science.....	36
Doctor of Veterinary Medicine.....	25
<i>Total, Veterinary Medicine.....</i>	<i>(61)</i>

Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	191
Bachelor of Science, College of Engineering.....	331
Bachelor of Arts, College of Liberal Arts and Sciences.....	271
Bachelor of Science, College of Liberal Arts and Sciences.....	214
Bachelor of Science, College of Education.....	144
Bachelor of Science, College of Commerce and Business Administration..	233
Bachelor of Science, College of Journalism and Communications.....	60
Bachelor of Architecture, College of Fine and Applied Arts.....	70
Bachelor of Fine Arts, College of Fine and Applied Arts.....	65
Bachelor of Music, College of Fine and Applied Arts.....	5
Bachelor of Science, College of Fine and Applied Arts.....	37
Bachelor of Science, College of Physical Education.....	54
Bachelor of Science, Division of Special Services for War Veterans.....	57
<i>Total, Baccalaureate Degrees.....</i>	<i>(1,732)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>(2,522)</i>

Honorary Degree, conferred at Chicago:

Doctor of Science.....	1
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Degrees in the Graduate College, conferred at Chicago:

Doctor of Philosophy.....	8
Master of Science.....	37
<i>Total, Graduate College.....</i>	<i>(45)</i>

Degrees in Dentistry, conferred at Chicago:

Doctor of Dental Surgery.....	64
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Degrees in Medicine, conferred at Chicago:

Bachelor of Science in Occupational Therapy.....	18
Doctor of Medicine.....	153
<i>Total, Medicine.....</i>	<i>(171)</i>

Degrees in Nursing, conferred at Chicago:

Bachelor of Science.....	13
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Degrees in Pharmacy, conferred at Chicago:

Bachelor of Science.....	93
<i>Total, Degrees Conferred at Chicago.....</i>	<i>(387)</i>
<i>Total, Urbana and Chicago.....</i>	<i>2,909</i>

Degrees Conferred at Urbana

HONORARY DEGREES

Degree of Doctor of Literature

THOMAS WHITFIELD BALDWIN

Degree of Doctor of Laws

ARTHUR SHERWOOD FLEMMING

Degree of Doctor of Engineering

JOHN IRA PARCEL

Degree of Doctor of Science

WENDELL MEREDITH STANLEY

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Accountancy

PATRICK SAMUEL KEMP, A.B., Rice Institute, 1953; M.P.A., University of Texas, 1956

RAYMOND LEROY MCGARVEY, B.S., University of Pennsylvania, 1955; M.S., 1956

HUSSEIN AMER SHARAF, B.Com., M.Com., University of Cairo, 1952, 1955

In Aeronautical Engineering

LEMBIT POTTSEPP, B.S., M.S., 1953, 1954

CLIVE GORDON WHITTENBURY, B.S., Manchester University, 1954; M.S., 1956

JAMES XERIKOS, B.S., M.S., 1953, 1956

In Agricultural Economics

RONALD STUART RUST, B.S., University of Manitoba, 1952; B.Ed., A.M., University of Alberta, 1953, 1957

In Agronomy

ROBERT BRUCE GROSSMAN, B.S., M.S., Cornell University, 1952, 1954

In Animal Nutrition

ALAN JONATHAN SHEPPARD, B.S., Ohio State University, 1951; M.S., Virginia Polytechnic Institute, 1955; M.S., 1956

SHREEPAD RAMCHANDRA WAGLE, B.S., M.S., University of Bombay, 1953, 1955

In Animal Science

BILLY GENE DIGGS, B.S.A., M.S., University of Arkansas, 1955, 1956

MAX WALTER ALBERT MOELLER, JR., B.S., M.S., 1951, 1956

In Bacteriology

TAMAR BEN PORAT, Certificate, University of Paris, 1949; M.S., Hebrew University, 1954

In Botany

DONALD ALFRED LARSON, B.S., Wheaton College (Illinois), 1953; M.S., 1955

ANNIE LOUISE RICHARDSON, B.S., Johnson C. Smith University, 1944; M.S., 1954

JAMES McDONALD ROMINGER, B.S., Eastern Illinois University, 1950; M.S., University of New Mexico, 1955

MUNIPALLI SANKARANARAYANA SARMA, B.S., M.S., University of Mysore, 1942, 1943

In Business

JOSEPH AUGUST LITTERER, B.S., M.B.A., Drexel Institute of Technology, 1950, 1955
WAYLAND AVERY TONNING, B.S., M.S., 1953, 1954

In Ceramic Engineering

ROBERT LEIF HALLSE, B.S., M.S., 1956, 1957
VICTOR JOSEPH TENNERY, B.S., M.S., 1954, 1955

In Chemical Engineering

HISAO KADA, B.E., Tokyo University, 1943; M.S., 1957
HAROLD LAVERNE SUCHAN, B.S., University of Idaho, 1952; M.S., 1957

In Chemistry

NATHAN LOUIS BAULD, B.S., West Virginia University, 1956
ROBERT ALLAN BERNHEIM, B.S., Brown University, 1955; A.M., Harvard University, 1957
WAYNE REX CARPENTER, A.B., Pomona College, 1956
THOMAS CLARK FARRAR, B.S., Municipal University of Wichita, 1954
FORREST CRAVER GRIMM, B.S., Dickinson College, 1955
RICHARD THOMAS HAWKINS, A.B., Brigham Young University, 1951
THEODORE CHARLES MILLER, A.B., Princeton University, 1955
DAVID KELMER ROE, A.B., Pacific Lutheran College, 1954; M.S., State College of Washington, 1956
ALVIN LAVERNE SCHALGE, A.B., Michigan State Normal College, 1954; M.S., 1956
RONALD MCLEAN SCOTT, B.S., Wayne University, 1955

In Civil Engineering

ALFREDO HUA-SING ANG, B.S., Mapua Institute of Technology, 1954; M.S., 1957
EUGENE CHESSON, JR., B.S., Duke University, 1950; M.S., 1956
THOMAS SAMUEL FRY, B.S., M.S., 1950, 1953
MAHENDRA RATILAL MEHTA, B.E., Gujarat University, 1953; M.S., Purdue University, 1955
EDWIN STUART TOWNSLEY, B.S., United States Military Academy, 1949; M.S., 1957

In Communications

WALTER HAVRE HOLLINS, B.S., Florida Agricultural and Mechanical College, 1944; A.M., University of Minnesota, 1945
RICHARD EUGENE O'BRIEN, A.B., A.M., University of Missouri, 1950, 1951

In Dairy Science

NICHOLAS TAKATERU NAKABAYASHI, B.S., Utah State University of Agriculture and Applied Science, 1949; M.S., 1953

In Economics

HOWARD JENNINGS MCBRIDE, B.S., M.S., 1950, 1954

In Education

JOSEPH JAMES CHAMBLISS, B.S., Illinois State Normal University, 1950; A.M., University of Alabama, 1954
ROBERT BRUCE HUGHES, B.S., M.S., University of Washington, 1949, 1954
NORVAL LEE PIELSTICK, A.B., Linfield College, 1948; M.S., State College of Washington, 1951

In Electrical Engineering

FRANK FU FANG, B.S., National Taiwan University, 1951; M.S., University of Notre Dame, 1954
ROLAND EVERETT THOMAS, B.S. (Agricultural Engineering), B.S. (Electrical Engineering), New Mexico Agricultural and Mechanical College, 1951, 1952; M.S., Stanford University, 1953

In English

- NEIL FRANCIS BRENNAN, A.M., University of Chicago, 1949
WILLIAM HENRY NOLTE, A.B., University of Missouri, 1951; A.M., University of Texas, 1952
PIN CHOW TU, A.B., National Central University, 1943; A.M., 1953
GEORGE THOMAS WATKINS III, A.B., A.M., Wake Forest College, 1942, 1948

In Entomology

- JOHN JOSEPH CORRIGAN, A.B., Carleton College, 1950; M.S., 1957
ROBERT EARL LEWIS, A.B., Earlham College, 1952; M.S., 1956

In Food Technology

- MOHAN GUNDO KOKATNUR, B.S., University of Poona, 1951; B.S. (Technology), Nagpur University, 1953

In Geography

- HERBERT SLUTSKY, B.S., M.S., 1950, 1951

In Geology

- DONALD LAWRENCE BALLMANN, B.S., M.S., 1955, 1956
BRUCE FORBES BOHOR, B.S., Beloit College, 1953; A.M., Indiana University, 1955
EARL ALFRED CHRISTIANSEN, B.S., M.S., University of Saskatchewan, 1952, 1956
LORENCE GENE COLLINS, B.S., M.S., 1953, 1955
MEREDITH EGGERS OSTROM, A.B., Augustana College (Illinois), 1952; M.S., 1954
MARK RICH, A.B., University of California (Los Angeles), 1954; A.M., University of Southern California, 1956
HERMAN ELLIS ROBERSON, B.S., A.M., University of Texas, 1955, 1957
THOMAS KAY SEARIGHT, A.B., A.M., University of Missouri, 1951, 1952
THOMAS WILLIAM SMOOT, A.B., M.S., Miami University, 1954, 1956
JOHN ERNEST NOLAN WAINWRIGHT, B.S., University of Dayton, 1956; M.S., 1957

In German

- ANNE LIARD JENNINGS, A.B., Hunter College, 1950; A.M., Columbia University, 1954
HARRY WALTER PAULIN, A.B., North Central College, 1950; A.M., 1955

In History

- MARY JANETTE BOHL, A.B., Wheaton College (Illinois), 1951; A.M., 1956
JOHN HENRY CARY, B.S., University of Wisconsin, 1950; A.M., Pennsylvania State College, 1951
ROGER BURNHAM McSHANE, A.B., Wheaton College, 1938; Th.B., Princeton Theological Seminary, 1942

In Mathematics

- JAMES HARMAN ABBOTT, B.S., University of Colorado, 1946; M.S., Southern Methodist University, 1949
JACK LEONARD GOLDBERG, B.S., College of the City of New York, 1954; M.S., 1956
GENE HOWARD GOLUB, B.S., A.M., 1953, 1954
FRANK JOHN HAHN, A.B., University of Rochester, 1951; A.M., 1956
JERRY CHALMERS MCCALL, A.B., A.M., University of Mississippi, 1951, 1951; M.S., 1956
PAUL ROBERT PEABODY, B.S., A.M., 1948, 1949
JAMES HAROLD SHELLY, A.B., Oberlin College, 1954; A.M., 1956
ROSEMARIE MARGARETE SCHEERER STEMMLER, A.B., Bucknell University, 1952; A.M., 1954

In Mechanical Engineering

- GLEN WALLACE ZUMWALT, B.S. (Naval Science and Tactics), B.S. (Mechanical Engineering), M.S., University of Texas, 1948, 1949, 1953

In Physical Education

JAMES LOWELL BREEN, B.S., Eastern Illinois University, 1948; M.S., 1949

In Physics

STEPHEN REYNOLDS ARNOLD, B.S., Massachusetts Institute of Technology, 1950; M.S., 1952

GLORIA WINKEL DE WIT, B.S., M.S., 1954, 1955

FREDERICK AUGUST OTTER, JR., B.S., Lehigh University, 1953; A.M., Temple University, 1955

WILLIAM MANOS PORTNOY, B.S., M.S., 1952, 1952

In Plant Pathology

EUGENE BRYSON HIMELICK, B.S., Ball State Teachers College, 1949; M.S., Purdue University, 1952

KHALIL RASHID LUBANI, B.S., Kansas State College of Agriculture and Applied Science, 1955; M.S., 1957

HARLAN LEON RHOADES, B.S., M.S., 1952, 1957

LUNG-CHI WU, B.S., M.S., National Taiwan University, 1954, 1956

In Political Science

BABATUNDE ABRAHAM WILLIAMS, A.B., Northland College, 1953; A.M., 1954

In Psychology

THOMAS HOLLISTER LYNCH, B.S., Purdue University, 1951

ARNOLD LEE MILLER, A.B., Washington University, 1952; A.M., Temple University, 1955

In Spanish

ALLIE WARD BILLINGSLEY, A.B., A.M., University of Mississippi, 1928, 1929

JOSEPH SCHRAIBMAN, A.B., Brooklyn College, 1955; A.M., 1956

In Speech

JACK DAVID ARMOLD, A.B., Bethany-Peniel College, 1950; A.M., Northwestern University, 1952

ERWIN PAUL BETTINGHAUS, JR., A.B., 1952; A.M., Bradley University, 1953

In Theoretical and Applied Mechanics

GEORGE ALBERT COSTELLO, B.C.E., Manhattan College, 1955; M.S., 1956

LEROY CARL EICHBERGER, B.S., M.S., 1951, 1955

NIELS CHRISTIAN LIND, C.E., Technical University of Denmark, 1953

ARCHIE MATHEWS, B.S., University of Massachusetts, 1953; M.S.E., University of Michigan, 1954

ROBERT EARL MILLER, B.S., M.S., 1954, 1955

In Veterinary Medical Science

MIODRAG RISTIC, D.V.M., Hanover Veterinary College (Germany), 1950; M.S., University of Wisconsin, 1954

Degree of Doctor of Education*In Education*

ALBERTA DEE HILL, B.S., University of Idaho, 1939; A.M., Columbia University, 1947

AHMET KEMAL OZINONU, Diploma, Gazi Teachers Training College, 1946; A.M., 1957

CLARENCE ALOIS PHILLIPS, B.Ed., State Teachers College (St. Cloud, Minnesota), 1937; A.M., University of Minnesota, 1942; M.S., Ed.M., 1948, 1952

JOHN LEON QUADAY, B.E., Winona State Teachers College, 1938; Ed.M., University of Minnesota, 1946

WILLIAM REYNOLDS SLOTHOWER, A.B., Cornell College, 1943; A.M., 1950
RALPH HENDERSON THOMPSON, A.B., Dickinson College, 1934; A.M., University of Delaware, 1948; Ed.M., 1950

Degree of Master of Arts

In Anthropology

JANET MATHEWS FITCHEN, A.B., Vassar College, 1958

In Art Education

HARRY FREDERICK BREEN, B.A.E., School of the Art Institute of Chicago, 1953

In Art History

GLORIA KATHERINE RENSCH, A.B., A.M., Northwestern University, 1939, 1940
ROSLYN MARIA RENSCH, B.Mus., M.Mus., Northwestern University, 1945, 1946

In Chemistry

NANCY SANDELIN PAISLEY, A.B., University of Minnesota, 1957

In Economics

RIKUMA ITO, A.B., 1956
RONALD EUGENE SIMMONS, B.S., 1955

In English

CAROL LINDA ANDERSON, A.B., Upsala College, 1958
JENE ERICK BEARDSLEY, A.B., Wheaton College (Illinois), 1958
JILL GENEVIEVE WALDRON RORABACH BOHLANDER, A.B., Illinois Wesleyan University, 1958
EVELYN HEIYEN BUCKALEW, A.B., Harpur College, State University of New York, 1957
DIANA MARIE DAVIDSON, A.B., Wheaton College (Illinois), 1956
DAVID VINCENT ERICKSON, A.B., 1958
BARBARA DINA FUERST, A.B., Indiana University, 1958
HYMEN HAROLD HART, A.B., College of Puget Sound, 1950
KAY LEONORE HENDERSON, A.B., Illinois Wesleyan University, 1958
RALPH HAROLD HOPPE, A.B., Concordia College, 1954
LINDSAY ALFRED MANN, B.S., University of Santa Clara, 1958
RICHARD THOMAS MARTIN, A.B., 1953
MARY ANN MCQUAID, A.B., Augustana College (Illinois), 1957
CAROLYN BRANT OSBURN, A.B., Marietta College, 1958
MARTHA PALEY, Profesorado, Instituto Nacional Del Profesorado Secundario (Argentina), 1956
MARY BROOKBANK REED, A.B., Millikin University, 1958
FRIEDA WEIR RUNSER, A.B., Mount Union College, 1957
WILMA FAYE SCHNEIDERMEYER, B.S., Southern Illinois University, 1954
JUDITH JOANNE TOLER, A.B., 1956
MARSHA WEISS, A.B., Brooklyn College, 1958
ALICE HUGGINS WILSON, A.B., 1957
MARTHA MARY WOODS, A.B., Monmouth College, 1957

In Geography

DIETER ROBERT ALTSCHUL, A.B., Harpur College, State University of New York, 1957

In German

ANNE MARIE MAIER, A.B., New York University, 1956

In Greek

SAMUEL IRA ABRAMS, A.B., Brooklyn College, 1958

In History

- BENJAMIN FRANKLIN BYERLY, B.S., Kansas State College of Agriculture and Applied Science, 1952
HSIAO HSIANG CHANG, A.B., 1954
EDWARD BURDETTE HAUSER, A.B., Oberlin College, 1951
LESTEL LEON LONG, A.B., Drury College, 1948
DAVID ROMAIN NISSEN, A.B., Wheaton College (Illinois), 1954
GARY LEE PELTIER, A.B., Michigan State University, 1958
TADASHI TATSUI, A.B., 1957
JORDAN GENE VOGEL, A.B., 1958

In Home Economics

- JEANNE MARGARET JACKSON, A.B., College of New Rochelle, 1949

In Labor and Industrial Relations

- ROBERT ELWOOD HARTZ, B.S., University of Alabama, 1934
WILLIAM MICHAEL HOOBEN, B.S., Springfield College, 1957
JOSEPH VALENTINE MARCONI, A.B., University of Michigan, 1957
ROBERT BRENDAN O'CONNOR, A.B., St. Joseph's College, 1954
EDWARD WILLIAM SMEDS, B.S., Carthage College, 1957

In Mathematics

- JESSE CORNELIUS LEWIS, B.S., Tougaloo College, 1953; M.S., 1955
THOMAS GEORGE MCKAY, A.B., Drew University, 1957

In Philosophy

- GEORGE CLIFFORD RICHARD SEPTON, A.B., University of British Columbia, 1951
RICHARD ALLEN TURSMA, A.B., University of Colorado, 1957

In Political Science

- CHARLES RAYMOND GREEN, A.B., Augustana College (Illinois), 1957
HAROLD GAYLON GREENHILL, B.S., Wisconsin State College (River Falls), 1958
JAMES WARD MANN, B.S., 1948

In Psychology

- BISHWA BANDHU CHATTERJEE, B.S., M.S., Benares Hindu University, 1941, 1943
ALAN ROBERT KOHN, B.S., Union College, 1950
WILLIAM BRONSON TODD, B.S., 1957

In Social Sciences

- DAVID ROGER WRONE, B.S., 1958

In Sociology

- LAWRENCE KEITH MILLER, A.B., Reed College, 1957

In Spanish

- CAROL ANN KOSS, A.B., 1958
JOSEPH SIRACUSA, A.B., University of Rochester, 1958
TERESA RIOS TREJO, Diploma, Normal Superior School (Mexico), 1956
MARIO JAMES VALDES, A.B., 1957
MARILYN WENDY WOODFORD, A.B., University of Washington, 1957

In Speech

- BARBARA NELL CONNELL, A.B., DePaul University, 1953
JAMES ALDEN EITRHEIM, A.B., Augustana College (South Dakota), 1958
LOWELL ROBERT GOLDEN, A.B., 1957
JIMMIE LONNIE MEESE, B.S., Mississippi State College for Women, 1958
LLOYD HOLDEN VINNEDGE, JR., A.B., University of Tulsa, 1949; B.D., Garrett Biblical Institute, 1953

In Statistics

SAE HO CHUNG, A.B., 1958

MOHAMMED KHALIL HAMID, B.S., Roosevelt University, 1957

PAUL EDWIN POTTER, Ph.B., M.S., Ph.D., University of Chicago, 1949, 1950, 1952

THOMAS SAKURADA, A.B., University of Hawaii, 1953

In the Teaching of Latin

ZOE MCGILL, A.B., College of Notre Dame (Maryland), 1958

In the Teaching of Social Studies

HELEN ELAINE BAUMGARTNER, B.S., Northwestern University, 1952

ALMYRA HAVENHILL, Ph.B., Northwestern University, 1956

CHARLES HAROLD HENRY, B.S., Illinois State Normal University, 1953

JOHN RICHARD LITSTER, B.S., M.S., 1956, 1957

JOHN ELLSWORTH MCGAUGHEY, A.B., 1958

WILLIAM WARREN MCKEEVER, B.S., 1958

JACK KAY RICHARDSON, B.S., Ball State Teachers College, 1958

RALPH WILLIAM SCHARNAU, A.B., Beloit College, 1957

DONALD LLOYD SCHULTZ, A.B., 1958

In the Teaching of Speech

LORA ANNETTE LOCONTE, A.B., Regis College, 1958

MARJORIE EILEEN YOUNG, B.S., 1942

ALICE GEORGE ZANETAKOS, A.B., 1958

Degree of Master of Science*In Accountancy*

RICHARD LEE DAVISON, B.S., 1954

NANCY ANN DESMOND, B.S., 1955

In Advertising

PAUL DANIEL SCHRAGE, A.B., Valparaiso University, 1957

In Aeronautical Engineering

JAMES THOMAS MARTIN, B.S., 1958

In Agricultural Economics

RAYMOND MERLE CARMICHAEL, B.S., 1958

THOMAS LEE FREY, B.S., 1958

REX ALAN PATTERSON, B.Com., University of Queensland, 1950

In Agricultural Education

ROSCOE RANDELL, B.S., 1951

In Agricultural Engineering

RICHARD TAYLOR BENNETT, B.S., University of Missouri, 1957

In Agronomy

JOE HOWARD CHERRY, B.S., University of Tennessee, 1957

BILLY JOE GOSSETT, B.S., University of Tennessee (Martin Branch), 1957

CHARLES ARTHUR LAIBLE, B.S., 1958

ROBERT MARION PHILLIPS, B.S., 1958

ROBERT JOSEPH REGINATO, B.S., University of California (Davis), 1957

In Animal Science

JIMMY DALE GARLICH, B.S., 1958

In Architectural Engineering

JOHN VERNON FOSTER, B.Arch., 1957

JOHN ARTHUR FRAZIER, B.S., 1952

WILLIAM WARD STEWART, B.Arch., 1956

In Astronomy

WILLIAM CLAUSEN YAGER, B.S., University of Tennessee, 1953; M.S., Drexel Institute of Technology, 1957

In Botany

VERN AUGUST MCMAHON, B.S., State Teachers College (St. Cloud, Minnesota), 1957

GAYLORD MONROE SMITH, A.B., Wabash College, 1957

MARGARET JANE LUNDEEN TAYLOR, A.B., Marietta College, 1957

In Ceramic Engineering

RUSSELL LEE BOLTON, B.S., 1955

RAYMOND GEORGE CAPEK, B.S., 1958

ERNEST FRED KARNER, B.S., 1957

In Chemical Engineering

JOHN WINDSOR HARDING, B.S., 1954

EARL RAMON HOSLER, B.Ch.E., University of Dayton, 1957

ALFREDO NICOLÁS USUBILLAGA, Chem.Engr., Escuela Politecnica Nacional (Ecuador), 1956

JOHN FRANCIS WELCH, B.S., University of Massachusetts, 1957

JOHN CLARENCE ZAHNER, B.S., 1956

In Chemistry

WILLIAM BERTRAM BARISH, B.S., University of Chicago, 1947

JAMES LEE BREWBAKER, B.S., University of Michigan, 1958

RICHARD LEWIS CARLIN, B.S., Brown University, 1957

ERNEST HAROLD DREW, B.S., University of Georgia, 1958

RICHARD ELMER EIBECK, B.S., University of Cincinnati, 1957

JAMES RICHARD HANLEY, JR., B.S., University of Rhode Island, 1956

JAMES EDWARD HUHEEY, B.S., University of Cincinnati, 1957

PIERRE EMIL KIENER, Dipl.Chem.Eng., Federal Institute of Technology, Zurich, 1947

DAVID MEARNES PAISLEY, B.S., West Virginia Wesleyan College, 1957

GARRY ARTHUR RECHNITZ, B.S., University of Michigan, 1958

STUART HUNTINGTON RIDER, B.Ch.E., Rensselaer Polytechnic Institute, 1943

LARRY CLARK THOMPSON, B.S., Willamette University, 1957

NEWTON DAVIS WERNER, B.S., University of California (Los Angeles), 1957

In Civil Engineering

FREDERICK MARTIN ANKLAM, B.S., United States Military Academy, 1954

NORMAN HUBERT BEDELL, B.S., United States Military Academy, 1954

LUIS DESIDERIO BELTRÁN-HERNÁNDEZ, B.S., University of Puerto Rico, 1955

HANS WALTER BERGHOLZ-WISSING, C.E., University of Chile, 1949

GERMAN ADOLFO BLOMEIER-GUZMAN, B.C.E., Rensselaer Polytechnic Institute, 1948

CHUNG-YUN CHIANG, B.S., National Tung-Chi University, 1948

JOHN HARTLEY DANIELS, B.S., University of Alberta, 1955

ARVIND KRISHNARAO DESAI, B.Eng., Karnatak University, 1956

KENNETH ALAN FAULKES, B.Eng., M.Eng., New South Wales University of Technology, 1955, 1958

ROBERT LAIRD FOSTER, B.S., University of Alberta, 1952

RAMON GUEMEZ-GARCIA, C.E., National Autonomous University of Mexico, 1958

MYLES RUSSELL HUTCHINSON, B.S., Virginia Military Institute, 1952

HARVEY ALEXANDER KAGAN, B.S., Columbia University, 1958

JAMIL ASGHAR KHAN, B.S., Punjab University, 1950

- CHARLES WILFRED LEWITT, B.S., Wayne University, 1950
 MOHAMED AREF MAHAYNI, B.S., University of Texas, 1958
 JOHN PETERSON, B.S., South Dakota State College, 1951
 NICK EUTHYMIUS RAPTIS, C.E., National Technical University (Athens, Greece), 1956
 ROBERT CHARLES RIESE, B.S., United States Military Academy, 1954
 CHARLES ROSS ROBERTS, B.S., University of Oklahoma, 1950
 GARY SEYMOUR SALZMAN, B.C.E., The Cooper Union, 1958
 GILBERT THEODORE SCOTT, B.S., United States Military Academy, 1952
 DHANJI MORARJI SHAH, B.Eng., Sardar Vallabhbhai Vidyaputh University, 1959
 SATYA SAGAR SHARMA, B.S., Punjab Engineering College, 1956
 RAMESH MANILAL SHETH, B.Eng., Gujarat University, 1956
 VINOD VANDRAVANDAS SHETH, B.Eng., Gujarat University, 1957
 DELBERT RAY SMITH, B.Arch., 1954
 PUSHPAKANT BHAGWANDAS THANAWALA, B.Eng., Gujarat University, 1957
 LOWELL THOMAS THORPE, B.S., Pennsylvania State University, 1952
 WALTER ARTHUR VON RIESEMANN, B.C.E., Polytechnic Institute of Brooklyn, 1958
 JAMES ROBERT WINEMILLER, B.S., Pennsylvania State University, 1957
 STEPHEN WORTH WOLFGANG, B.S., United States Military Academy, 1954

In Dairy Science

- CHARLES NORMAN GRAVES, B.S., Oklahoma State University, 1958
 CHARLES WENDELL GRIMES, B.S., Ohio State University, 1954
 HERBERT GARDNER JOHNSON, B.S., 1958
 JOHN GLADSTONE VELU, B.S., University of Allahabad, 1950

In Dairy Technology

- TSUNG CHU CHOU, B.S., Catholic University of Peiping, 1939

In Economics

- DEV RAJ RAHEJA, A.M., University of the Panjab, 1942; A.M., 1958

In Education

- ANILA AMRATLAL DALAL, A.B., Gujarat University, 1955
 KUNJ KANAIALAL PARIKH, A.B., Gujarat University, 1955

In Electrical Engineering

- JOHN WAYNE BARTLEY, A.B., Augustana College (Illinois), 1954
 RICHARD WAYNE BERMES, B.S., 1958
 JAMES PETER BOBIS, B.S., 1958
 ARNOLD SEYMOUR BRENNER, B.S., Illinois Institute of Technology, 1958
 BRUCE EDWIN BRILEY, B.S., 1958
 KENNETH RONALD CARR, B.S., 1958
 JOHN WILLIAM DAUGHTON, B.S., University of Notre Dame, 1958
 ALBERT GEORGE ENGELHARDT, B.A.Sc., University of Toronto, 1958
 HITENDRA NATH GHOSH, B.Tech., Indian Institute of Technology, 1959
 RICHARD HARVEY GORDON, B.S., 1958
 KENNETH DONALD GRANZOW, B.S., 1958
 MANFRED GUTMANN, B.S., 1958
 ROBERT CLARENCE HENDEL, B.S., 1958
 VILAYIL IDIKULA JOHN, B.S., University of Travancore, 1957
 ROBERT WILLIAM KAFKA, B.S., 1958
 ANAND RAMCHANDRA KELKAR, B.Eng., University of Poona, 1955
 KESTUTIS KIRVAITIS, B.S., 1958
 TOSHIRO KUNIHIRO, B.Eng., University of Tokyo, 1952
 ARWIN BRUCE LINDQUIST, B.S., 1958
 ROBERT HENRY MACPHIE, B.A.Sc., University of Toronto, 1957
 JOHN PHILIP McCLURE, B.S., 1958
 PHILIP FRANCIS MEAGHER, B.S., University of Notre Dame, 1958
 HASSAN MORSHED, Degree, Teheran University, 1956
 GILBERT GUY MOSER, B.S., 1958

GEORGE NORTON OETZEL, B.S., California Institute of Technology, 1958
RAYMOND REED OLSON, B.S., 1956
JOHN ORIN PENHOLLOW, B.S., State University of Iowa, 1956
WILLIAM ANTHONY RADKE, B.S., University of Notre Dame, 1958
GAYLORD GRANT ROGENESS, B.S., 1958
GERALD CLINTON ROSE, B.S., Rose Polytechnic Institute, 1957
RAMESH CHANDRA SAXENA, B.S., Agra University, 1955; B.S. (Engineering),
Aligarh Muslim University, 1958
MANDYAM DHATI SRINATH, B.S., University of Mysore, 1954; Diploma, Indian
Institute of Science, 1958
JEFFREY TAI, B.S., Swarthmore College, 1956
EMMANUEL JOHN VOURGOURAKIS, B.S., University of Pennsylvania, 1958
CARL CHANG-TAO WANG, B.S., 1958
SIK-SANG YAU, B.S., National Taiwan University, 1958
JOHN EDWARD YPMA, B.S., Purdue University, 1957

In Entomology

DAVID ROBERT LAUCK, B.S., 1955
ROY EARL McLAUGHLIN, B.S., 1954
ROBERT DALE PAUSCH, B.S., 1956
REGINALD JOSEPH ROBERTS, A.B., Walla Walla College, 1957

In Finance

ROBERT WILLIAM VAN AUKEN, B.B.A., University of Notre Dame, 1958

In Food Technology

WILLIAM EMMETT MARSHALL, B.S., 1957

In Geology

GEORGE SUTTER CORCHARY, B.S., University of New Hampshire, 1948
RICHARD ATWOOD GILMAN, A.B., Dartmouth College, 1957
JOHN BANCROFT HUNT, A.B., Dartmouth College, 1957
WILLIAM JOHN METZGER, B.S., Beloit College, 1957
EUGENE ALAN MONROE, B.S., University of Wisconsin, 1955
DWIGHT MILLINGTON MOODY, B.S., 1955
KEDAR NARAIN, B.S., M.S., Benares Hindu University, 1943, 1946
EMMERSON KIRKPATRICK NORMAN, B.S., 1957
JOHN ROBERT ROGERS, A.B., Baylor University, 1957
DAVID KNOWLTON WEBB, JR., B.S., Ohio University, 1957
ARTHUR JOHN ZEIZEL, A.B., University of Connecticut, 1956

In Health Education

DODDANNA NARASIMMANNA RAJANNA, B.S., University of Mysore, 1947; M.P.E.,
Springfield College, 1957
ROBERT REVERE WEST, B.S., Brooklyn College, 1958

In Home Economics

MARION RUTH DIX, B.S., Iowa State College, 1957
FAITH WATSON FINNEMORE, B.S., Pennsylvania State University, 1956
SARA ALICE BOSTON HEUBERGER, B.S., Iowa State College, 1955
BEVERLY ANNA BUNTING POKORNY, B.S., 1954

In Home Economics Education

BETTY JOHNSON CHURCH, B.S., 1954

In Horticulture

JACKIE DEAN BUTLER, B.S., 1957

In Journalism

- EUGENE ELLIOT BROTT, B.S., 1956
JO LYNN GARRETT, A.B., University of Tulsa, 1958
GLENN GEORGE HANSON, A.B., University of Minnesota, 1943

In Library Science

- RHETTA MARGARET ANDERSON, B.S., Southwest Missouri State College, 1957
ELIZABETH ANN BENBROOK, A.B., Texas Woman's University, 1958
MARJORIE CAROLYN BENGTON, B.Ed., Chicago Teachers College, 1956
ELEANOR ANNE BOGART, A.B., Fort Hays Kansas State College, 1954
ROBERT HARLOW BRADLEY, A.B., Austin Peay State College, 1957
SIDNEY MAY CHANG, B.B.A., University of Hawaii, 1955
LOIS CONWAY CRABILL, B.S., Fordham University, 1948; A.M., Cornell University, 1950
MARY JOYCE DAVIS, B.S., Kansas State Teachers College (Emporia), 1954
JAMES FRANK DOUBLEDAY, A.B., Northwestern University, 1958
HOWARD LEAVITT DUNLAP, B.S., University of Wisconsin, 1950; B.D., Gordon Divinity School, 1955
SHERRY LYNN DUNLAP, A.B., Bowling Green State University, 1958
CATHERINE MARY GEIMER, A.B., A.M., Northwestern University, 1935, 1936
ROBERT JOSEPH HAERTLE, A.B., A.M., Marquette University, 1954, 1956
LEO FRANKLIN HAMILTON, A.B., Simpson College, 1958
DOROTHY KATHRYN JOENS, B.S., Elmhurst College, 1950; A.M., Northwestern University, 1953
FAY LARUE JOHNSON, A.B., Baylor University, 1958
WILBUR DUANE JOHNSON, A.B., Augustana College (Illinois), 1952
ESTELLE BUDER KADHIM, A.B., 1955
FRANK LIBERSKY, B.S., University of Idaho, 1956
JESSIE LOUISE MATTHEWS, B.S., State Teachers College (Kutztown, Pennsylvania), 1958
MILDRED CARTER MONTGOMERY, A.B., Arkansas State College, 1937; A.M., University of Arkansas, 1958
JAMES DAVISON NEWBURG, A.B., Iowa Wesleyan College, 1958
ALICE IRENE NOLTE, A.B., 1953
BARBARA ANN OLSEN, A.B., Colorado State University, 1956
MARY MARGARET SEALOCK, A.B., Oberlin College, 1958
ROBERT CHRISTIE SPALDING, B.S., 1952
JAY DRENNER TEBO, A.B., Lycoming College, 1956
JOSEPH CLEMENT ZDERAD, A.B., St. Norbert College, 1949; A.M., University of Notre Dame, 1953

In Management

- WALTER JEROME HATCH, A.B., Monmouth College, 1957
MARVIN VINAR, B.S., 1958
ALBERT TSU PEI WU, Graduate, Ta Hsia University, 1948

In Marketing

- WAYNE ARLO LEMBURG, B.S., 1950

In Mathematics

- MORTEZA ANVARI, Dipl. Physics, University of Tehran, 1953
GERARD BERG, B.S., College of the City of New York, 1958
WILLIE BEE CAMPBELL, B.S., Prairie View Agricultural and Mechanical College (Texas), 1938; A.M., Columbia University, 1947
JOSEPH WARREN CORBETT, A.B., 1955
JAMES JOSEPH DODD, B.S., Northwestern University, 1955
JOHN HENRY HARRIS, B.S., 1958
ALFRED INSELBERG, B.S., 1958
WAYNE RICHARD KRUGER, B.S., Eastern Illinois University, 1958
JOSEPH ICHIRO NARUISHI, B.S., 1957
BEVERLY ANN PODMOLIK, B.Ed., Chicago Teachers College, 1957
ALEXANDER LUCRETIVUS RAGO, A.B., 1958

ALLAN STANLEY REHM, B.S., 1958
 HAROLD GIDCUMB ROBERTSON, B.S., 1958
 WALTER ABRAHAM ROSENKRANTZ, A.B., B.S., University of Chicago, 1957, 1957
 SHU-SHEN HUANG SAH, Diploma, National Peking Teachers College, 1933; Ed.M., 1957
 DUANE STANLEY STEIDINGER, B.S., 1956
 HARRIS WESTCOTT VAYO, A.B., Culver-Stockton College, 1957

In Mechanical Engineering

LYNN ELLIS ARNOLD, Met.E., University of Cincinnati, 1957
 GAUTAM VASANTVIHARI DESAI, B.Eng. (Electrical Engineering), B.Eng. (Mechanical Engineering), Gujarat University, 1956, 1957
 WILLIAM RAYMOND DONAHUE, JR., B.S., 1957
 RAYMOND JOHN GOLIK, B.S., 1953
 GERALD JOHN GRESH, B.S., 1958
 JOHN PHILIP HIPSKIND, B.S., University of Notre Dame, 1952
 RONALD HUNTER HOWELL, B.S., 1958
 SHIH LIEN HUANG, B.S., National Taiwan University, 1954
 RONALD CARL KAMP, B.S., 1956
 LI HSIEN LU, B.S., National Chung King University, 1948
 MANESH LAXMIDAS SHRIKANT, B.S., University of Bombay, 1956; B.S., Michigan College of Mining and Technology, 1958
 TIAO-MING WU, B.S., National Taiwan University, 1954

In Metallurgical Engineering

HARRY FARA, B.S., College of the City of New York, 1954
 KALINATH MUKHERJEE, B.Eng., University of Calcutta, 1956

In Music Education

THOMAS LEE BONWELL, B.S., 1958
 WILLIAM PETER CALLAHAN, B.S., 1958
 DAVID NORBERT CAMPBELL, B.Mus.Ed., Southeastern Louisiana College, 1958
 NANCY LEE CHIDDIX, B.S., Illinois State Normal University, 1958
 RICHARD LEE COWART, B.S., 1956
 PATRICIA ANN DARR, B.Mus.Ed., Arkansas State College (Jonesboro), 1954
 SUZANNE KRIEG DELANEY, B.Mus., Salem College, 1956
 JOHN FREDRICK FALKENSTROM, B.Mus.Ed., University of Wichita, 1954
 JAMES FARIS FLEISHER, B.S., 1957
 WARREN RUSSELL GEDSTAD, B.S., 1958
 DALE MONTGOMERY HAMILTON, B.S., 1958
 FRANK MILTON HAMMOND, B.S., East Carolina College, 1955
 RICHARD LELAND JAMISON, B.Mus., Illinois Wesleyan University, 1951
 JON HARRY JORDENS, B.S., University of Wisconsin, 1958
 NANCY LOUISE KAMPMEIER, B.S., Illinois State Normal University, 1953
 GEORGE WASHINGTON KNIGHT, JR., B.S., East Carolina College, 1958
 RICHARD CHARLES LARSON, B.S., 1958
 DANIEL JOHN McNABB, B.S., 1958
 ARTHUR MOTYCKA, JR., B.F.A., Carnegie Institute of Technology, 1957
 JOHN PHILLIP MUELLER, B.S., 1952
 GRANT HOWARD NEWMAN, B.F.A., University of South Dakota, 1954
 DONALD OWEN PARSONS, B.Mus., DePaul University, 1957
 JAMES ARTHUR PARTRIDGE, B.S., Illinois State Normal University, 1953
 GEORGE WILLIAM PELLANT, B.S., Northern Illinois University, 1955
 JOE DEAN RICE, B.S., 1958
 JUDITH ANN RIEMENSCHNEIDER, B.S., 1958
 GEORGE LOWRY RIGGINS, A.B., North Texas State College, 1956
 ROBERT LOUIS SAMAROTTO, B.S., State University of New York Teachers College (Fredonia), 1955
 DONALD WALTER SCHMALZ, B.Mus.Ed., Northwestern University, 1958
 JOHN FREDERICK THIEMAN, B.S., 1958
 RICHARD EARL TOLLEY, B.S., 1955
 MILTON BARNES WHITEMAN, A.B., Monmouth College, 1954

JOHN THOMAS WINKING, B.S., 1958

THOMAS EDWARD WRIGHT III, B.Mus., North Texas State College, 1958

In Nuclear Engineering

JOSEPH FRANCIS CASTRO, B.S., University of Rhode Island, 1951; M.S., 1959

LEON WALTER FLORSCHUETZ, B.S., 1958

HARLAN WARREN JOHNSON, B.S., United States Military Academy, 1951; M.S., 1959

In Physical Education

DOLORES ANN ASHLEY, B.S., Eastern Illinois University, 1952

WILLIAM HILEY DAVIS, B.S., 1954

EMIL ERNST DIEWALD, B.S., 1955

EUGENE VALEN DOROSCHUK, B.P.E., University of British Columbia, 1957

CAROL ELVERA GOUWENS, B.S., Valparaiso University, 1956

GORDON YUTAKA KUWADA, B.Ed., University of Hawaii, 1957

BILL JAMES TURNER, B.S. (Physical Education), B.S. (Recreation), 1955, 1955

In Physics

JAMES LEROY BOETTLE, B.S., Lafayette College, 1958

CARL ERNEST CARLSTON, B.S., 1958

DWIGHT WILLIAM CARPENTER, B.S., University of Kentucky, 1958

JOHN IRVING CONNOLLY, B.S., Massachusetts Institute of Technology, 1958

RICHARD BYRD CRITTENDEN, A.B., Willamette University, 1957

ROBERTA ANN DI NOVI, B.S., Fordham University, 1957

FRANK CURTIS DOUGLAS, A.B., Reed College, 1957

JOHN SEYMORE EDWARDS, B.S., 1958

ROBERT THOMAS GALLA, B.S., University of Notre Dame, 1957

PETER VANCE GRAY, B.S., Union College, 1958

KAY KEIJI KANAZAWA, B.S., University of California (Los Angeles), 1957

JOHN DAVID STEBEN, B.S., 1958

RICHARD RODNEY STECK, B.S., Illinois Institute of Technology, 1957

GENE HENRY WOJCIECHOWSKI, B.S., 1958

In Physiology

EDMUND MICHAEL BERNAUER, B.S., Indiana University, 1950; M.S., 1951

ALPHONSE R. BURDI, B.S., Northern Illinois University, 1957

ANN FIELDEN, B.S., University of Reading, 1956

RONALD ALLAN FRAIER, B.S., Queens College, 1957

MICHELLE HORTENSE NEYRINCK, B.S., St. Mary College (Kansas), 1954

ARNE TONIS PESSA, B.S., Washington College, 1956

HENSON DAVID POTTER, B.S., 1958

LEROY IRVING SYKES, B.S., Villanova University, 1957

GORDON LEE VAN HARN, A.B., Calvin College, 1957

In Plant Pathology

TERESITA POLANCO DE LA RAMA, B.S., The Philippines Women's University, 1951

BILLY GENE TWEEDY, B.S., Southern Illinois University, 1956

In Recreation

WILLIAM PUTNAM MILNE, B.S., 1952

JOSEPH ADAM PLECKINGER, B.S., Wisconsin State College (La Crosse), 1957

STEPHEN ALBERTUS WALKER, A.B., University of California (Berkeley), 1956

In the Teaching of Biological Sciences and General Science

BLANCHE HELEN BENISEK, B.S., 1957

EDWIN HORACE DAUBS, B.S., 1942

RALPH MILTON EISEMAN, B.S., 1957

In the Teaching of Mathematics

ELLA CORDELIA ARNOLD, A.B., Central College, 1948

JOAN COLLINS ARZBAECHER, A.B., St. Xavier College for Women, 1953

- WILSON PALMER BANKS, A.B., Greenville College, 1952
 AUGUST JOSEPH BETHEM, A.B., A.M., Washington and Jefferson College, 1949, 1952
 ALLEN LEROY BRINK, A.B., Concordia College, 1952; Ed.M., University of North Dakota, 1956
 ROBERT ALLEN BROOKS, A.B., Evansville College, 1951; M.S., Indiana University, 1954
 SHIRLEY ANN BRUTVAN, A.B., Harpur College, State University of New York, 1958
 RUSSELL LELAND BUSSE, B.S., Hanover College, 1954
 AUSTIN GORDON BUTKE, A.B., Evansville College, 1950; M.S., Indiana University, 1954
 RACHEL JOHNNIE CAMPBELL, B.S., Shaw University, 1949
 RUTH OTAVA DEVNEY, B.S., University of Minnesota, 1956
 JOSEPH LEWIS DORSETT, B.S., University of Cincinnati, 1950
 FRANCIS GLENN DROEGEMEIER, B.S., Fort Hays Kansas State College, 1950
 MARILYN PARR EARL, B.S., College of William and Mary, 1954
 EDWIN DUAIN ECKER, B.S., Ball State Teachers College, 1956
 GARNET GLEN ELLIS, JR., A.B., Valparaiso University, 1953
 OSBURN RAY FLENER, A.B., A.M., Western Kentucky State College, 1950, 1953
 MARILYN EDNA FRIS, B.S., 1958
 REUBEN JOHNNY GOERING, A.B., Bethel College (Kansas), 1950
 DOROTHY ANNE GRAMER, A.B., Rosary College, 1955
 RONALD BERNARD GREEK, A.B., Culver-Stockton College, 1956
 JAMES JOSEPH HAGOOD, JR., B.S., Piedmont College, 1931; A.M., George Peabody College for Teachers, 1947
 ALICE GOODSON HART, B.S. (Education), B.S. (Mathematics), A.B. (Mathematics) Central Missouri State College, 1930, 1930, 1930
 PATRICIA TOCCI HENGEL, B.S., Montana State College, 1947
 KENNETH DALE HERR, B.S., State Teachers College (Millersville, Pennsylvania), 1955
 VERN DONALD HIEBERT, A.B., Willamette University, 1952
 FRANCIS HOWARD HILDEBRAND, B.S., Kent State University, 1957
 CAROLYN MARTH HULSEY, B.S., Illinois State Normal University, 1955
 ALBERT SIGFRIED JACOBSON, B.S., Rensselaer Polytechnic Institute, 1953
 LESTER GERALD KLECKNER, B.S., State Teachers College (Lock Haven, Pennsylvania), 1953
 AUSTIN FORD LINDLEY, B.S., 1951
 FLOYD ORVILLE MCPHETRES, A.B., University of Vermont, 1950
 DALE LEWIS MORDUE, B.S., Western Illinois University, 1954
 CHARLES EDWARD MORRIS, JR., B.S., Johnson C. Smith University, 1952
 JOSEPH EDWARD MUELLER, B.S., Butler University, 1954
 BOBBIE COTTON MURPHY, B.S., M.S., DePaul University, 1953, 1954
 DAVID LEE NEUHOUSER, B.S., Manchester College, 1955
 SAMUEL BENJAMIN PARKER, A.B., Westminster College, 1951
 LUCILE CATHERINE PUSCHECK, A.B., College of St. Teresa, 1955
 FRANCES LYMETTA RHODES, B.S., Livingstone College, 1955
 JAMES ERNEST ROWE, B.S., Manchester College, 1950
 SISTER M. RAYMOND CAPUA HARTY, A.B., Rosary College, 1955
 ARNOLD STRASSBERG, A.B., New York University, 1937
 CALVIN LEE STRICKLAND, A.B., Abilene Christian College, 1950
 MARY ELEANOR TENER, A.B., Texas Christian University, 1955
 MARGARET RUTH TREGILLUS, A.B., Grinnell College, 1947; A.M., Radcliffe College, 1948
 GLORIA MAE VANDERBECK, B.S., Western Michigan University, 1950
 JAY DONALD WEAVER, B.S., State Teachers College (Millersville, Pennsylvania), 1956
 WILLIAM BRIGGS WETHERBEE, B.S., State Teachers College (Mansfield, Pennsylvania), 1951
 VERNIE ELZEN WITTEN, JR., B.S., Kansas State Teachers College (Emporia), 1953

In the Teaching of Physics

- GEORGE HAROLD HANS, JR., B.S., Northwestern University, 1957

In Theoretical and Applied Mechanics

- PHILIP EARL BENNETT, B.S., 1958
 DONALD LYNN DEWHIRST, B.S., 1957
 CHARLES EDWARD FELTNER, B.M.E., North Carolina State College of Agriculture and Engineering, 1958
 JOHN LEO GUBSER, B.S., Washington University, 1958
 JOHN WILLIAM MELVIN, B.S., 1956
 RONALD JOHN PLACEK, B.S., 1958
 ALLAN RODERIC SCHULTZ, B.S., 1957
 JAMES RONALD SUHRE, B.S., 1958

In Veterinary Medical Science

- JULIUS PETER KREIER, D.V.M., University of Pennsylvania, 1953
 DONALD ROBERT LINGARD, D.V.M., Ontario Veterinary College, 1955
 WALTER LOY MYERS, JR., B.S., D.V.M., 1955, 1957
 DEAN IRWIN NEWTON, B.S., D.V.M., Kansas State College of Agriculture and Applied Science, 1950, 1950
 UMMETTALA RAMKRISHNANAND RAO, B.V.S., M.S., University of Madras, 1945, 1954

In Zoology

- WILLIAM TAYLOR ALLEN, B.S., Eastern Illinois University, 1957
 ALLAN BELMONT, B.S., 1958
 MAXWELL HAROLD BRAVERMAN, A.B., University of Colorado, 1951
 RICHARD ALVA BUSHEY, B.S., Th.B., Olivet Nazarene College, 1943, 1944
 JOHN OSCAR OBERPRILLER, A.B., St. John's University, 1957
 WESLEY FREDERICK STIEG, A.B., North Central College, 1956
 LORNA BOWLBY WEST, A.B., Middlebury College, 1952

Degree of Master of Music

- SAMUEL LOCKWOOD BRADSHAW, JR., B.Mus., University of Southern California, 1958
 ROBERT LAURENCE DONAHUE, B.Mus., University of Wisconsin, 1954
 ALF SVEINUNG HOUKOM, A.B., St. Olaf College, 1957; B.Mus., 1958
 WILBUR WARREN KENT, JR., B.Mus.Ed., University of Kansas, 1957
 LUTZ LEO MAYER, A.B., University of North Carolina, 1956
 BURR MANUEL McWILLIAMS, B.Mus., University of Wisconsin, 1958
 MARY ANN MOREN, B.Mus., Whitman College, 1956
 HELEN MARLA MUTSCHLER, B.Mus., Eastman School of Music, University of Rochester, 1956
 ROBERT RENE NADEAU, A.B., Colorado College, 1956
 EDWARD LAWRENCE NEYLON, B.Mus., University of Notre Dame, 1957
 MARY MARGARET GOLDSMITH RICE, B.Mus., 1957
 SHIRLEY JEAN USHER, B.Mus., Miami University, 1957

Degree of Master of Education

- EDITH SANDERS ABERNATHIE, B.S., 1954
 CAROL RANES ANDERSON, A.B., Harding College, 1954
 SUZANNE NIND BALLOU, A.B., Cornell College (Iowa), 1951
 JULAINE ANNE BRAYFORD, B.S., 1957
 DANIEL GEORGE BREEN, B.Ed., Chicago Teachers College, 1958
 LYLE ROBERT BRUSS, B.S., Wisconsin State College (Oshkosh), 1955
 YVONNE CASON CAMPBELL, B.S., Lincoln University, 1955
 JAMES PATRICK CARR, B.S., Eastern Illinois University, 1953
 ADDIE LARKIN DARDEN, B.S., Tennessee Agricultural and Industrial State University, 1939
 DOMINICK JOHN DILEO, B.S., 1958
 VIRGINIA ANN DOWNS, A.B., DePauw University, 1952
 WILLIAM FRANCIS EBENEZER, B.S., Northern Illinois University, 1951
 EMERSON WILLIAM EBERT, B.Mus.Ed., Bradley University, 1950
 ARTHUR LEROY EICKEN, B.S., 1942

AMY GAIL ENSLOW ENNIS, B.S., University of Wisconsin, 1950
AUDREY MARIE FALETTI, B.S., 1957
JOHN EDWARD FRANKOVICH, B.S., Illinois State Normal University, 1953
LEVI GALLOWAY, B.S., Agricultural and Technical College of North Carolina, 1953
JOSEPH LAWRENCE GANNS, JR., B.S., 1958
DAVID KENT GENTRY, B.S., Southern Illinois University, 1955
HAROLD LASLEY GRAY, B.S., Southern Illinois University, 1949
HAROLD EDWIN GRIER, B.S., Savannah State College, 1942
MARY MARGARET DE WERFF HEMPHILL, B.S., Eastern Illinois University, 1955
MAURICE RAY HEMPHILL, B.S., Eastern Illinois University, 1954
H. C. HENDREN, JR., B.S., 1950
HOWARD LEE HIBBS, A.B., Arizona State College (Tempe), 1950
EDWARD NICHOLAS HOOK, B.S., 1957
SULTANIA MARIA HUDSON, B.S., Lincoln University, 1956
CLARENCE RUSSELL HUGHES, A.B., Blackburn College, 1958
EUGENE RICHARD IRVING, B.S., Illinois State Normal University, 1953
HAROLD AUGUSTUS JONES, B.S., 1950
TOM KATSIMPALIS, B.S., Eastern Illinois University, 1952
GERALD FRANK KEMP, B.S., Illinois Wesleyan University, 1957
KENNETH EARL KERN, B.S., Western Illinois University, 1954
EDITH LILLIAN KINSINGER, B.S., 1948
CLIFTON J. KIRK, B.S., Southern Illinois University, 1948
WILLIAM BURT LAUDERDALE, B.S., 1958
GLENN SEYMOUR LeCOUNT, B.S., 1944
MAURICE LEVY, B.S., 1956
SUE LOOMIS, B.S., Illinois State Normal University, 1957
MONICE WILLIAMS McDANIEL, A.B., Fisk University, 1958
LAUREL MOENCH, B.S., University of Utah, 1949
JUNE NICKLE NEWTON, A.B., Union College, 1947
LEROY GEORGE NOEL, B.S., Illinois State Normal University, 1956
BERNARD MAURICE OHM, B.S., Eastern Illinois University, 1949
ANTHONY PACOTTI, A.B., Illinois College, 1935
PETER B. PERINO, A.B., St. Ambrose College, 1949
SHIRLEY THORNTON PIERCE, A.B., Flora Macdonald College, 1956
NORBERT FRANCIS POHLMAN, B.S., 1950
HAROLD RUDY RAYMOND, B.S., Murray State College, 1951
MIGUEL ANGEL RIESTRA, A.B., University of Puerto Rico, 1959
WILLARD SMITH ROPER, JR., B.S., Monmouth College, 1952
RICHARD D. ROWE, B.S., Eastern Illinois University, 1953
BETTYE JEANNE RUSSELL, B.S., Illinois State Normal University, 1956
ELMER SANDRIN, B.S., Greenville College, 1957
DONALD EWALD SCHEIWE, B.S., Concordia Teachers College, 1958
CECILIA AGNES SHAY, B.Ed., Eastern Illinois University, 1954
STACEY ALBERT SIDERS, B.S., 1953
JOHN CHARLES SIMS, B.S., 1958
MARVIN DALE SMITH, B.S., 1956
DONALD WAYNE SMITLEY, A.B., 1954
MELVIN ALLEN SPAULDING, B.S., Southern Illinois University, 1956
DWAIN HOBART SPEER, B.S., 1956
PAUL WILLIAM STEINBECK, B.S., United States Military Academy, 1929
DONALD KEN STEINMETZ, A.B., Evansville College, 1958
CHAROIS JEWELL TURNER, B.S., Eastern Illinois University, 1952
HELEN VICTORIA VITKO, B.S., Illinois State Normal University, 1953
ROBERT LEROY VOGEL, B.S., Eastern Illinois University, 1956
OTIS DELOS WATSON, JR., B.S., Grambling College of Louisiana, 1952
BETTY JANE WENZ, B.S., 1957
CURTIS R. WESTFALL, B.S., Western Illinois University, 1948
GLENN ELBERT WILEY, B.S., 1955
JOSEPH MATHEW WINEK, A.B., Wisconsin State College (Superior), 1951
JAMES EDWARD WOLFE, A.B., Manhattan College, 1954
KATIE FLORENCE HARPER WRIGHT, B.S., 1944
CHARLES JOSEPH WYNE, B.S., 1957

Degree of Master of Social Work

MARCELLE ROSA ADOLPH, B.S., George Williams College, 1946
 WARFORD EARL BAKER, A.B., Monmouth College, 1941
 MARY ANN THERESE CORCORAN, A.B., DePaul University, 1943
 VICTOR JOHN ENGANELA, B.Mus.Ed., Chicago Musical College, 1952
 EDDIE LOE EVANS, A.B., Clark College, 1957
 KITTY BETH FRANKS, A.B., 1957
 MICHIKO FUKAZAWA, B.Litt., Waseda University, 1957
 MARGARET LOUISE FURNISH, A.B., University of Kansas, 1948
 BLANCHE SEYMOUR HADDOX, A.B., Western Michigan University, 1943
 RICHARD FRANCIS HANGREN, A.B., A.M., 1954, 1955
 FRANCES MONCREIFF HAUSLER, A.B., University of Michigan, 1945
 JANET LOUISE JOHNSON, B.S., 1957
 MARJORY LEE KELLEY, A.B., University of Chicago, 1957
 KING BERNARD KLEIN, A.B., Roosevelt University, 1957
 JEAN CATHERYN LAWLESS, A.B., Illinois College, 1955
 RENO LELAND LENZ, B.S., Bradley University, 1931
 MERLE ELNO SPRINGER, A.B., Goshen College, 1954
 PRIMO TASSO, A.B., Northwestern University, 1956
 ROBERTA MAE TAYLOR, A.B., MacMurray College, 1948
 GERTRUDE FRANCIS VELU, A.B., M.Soc.Tech., University of Lucknow, 1952, 1954;
 B.S.W., University of Toronto, 1957
 EVELYN GERALDINE YABLONSKI, A.B., North Central College, 1941

Degree of Master of Fine Arts

ROLAND JOSEPH BELHUMEUR, B.F.A., Rhode Island School of Design, 1957
 CHRISTOPHER CAPEN COOK, A.B., Wesleyan University, 1954
 FRANKLIN DANIEL JESPERSEN, B.F.A., Kansas City Art Institute and School of
 Design, 1957
 LUCIEN CYRIL KAPP, B.F.A., 1955
 GERALD GORDON PURDY, B.F.A., 1956

Degree of Master of Architecture

GOPAL KRISHNA CHOUDHURY, B.Arch., University of Calcutta, 1956
 CHARLES STEWART DOTTS, A.B., LL.B., B.S., University of Kansas, 1936, 1938,
 1957
 EDWIN JOHN DRIMMEL, JR., B.Arch., Kansas State College, 1954
 DONALD ANDREW KOSS, B.Arch., 1955
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Degree of Master of Accounting Science

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Advanced Certificate*In Education*

VERNON WILLIAM GREENING, B.Ed., Illinois State Normal University, 1949; M.S.,
 1953
 LESTER SOLOMON WEBSTER, B.S., Tuskegee Institute, 1942; Ed.M., Pennsylvania
 State University, 1949
 EDWARD PHILIP WIRTH, A.B., A.M., George Peabody College for Teachers, 1949,
 1950

COLLEGE OF AGRICULTURE**Degree of Bachelor of Science***In Agriculture*

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 CALVIN CLYDE BEATTY

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WILLIAM ARTHUR BONCOSKY
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PHYLLIS JEAN FLOYD
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RICHARD CARSON JAMISON

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ALAN BRUCE CORK
DONALD ROTH SHEPPelman

ROBERT KEITH STUDEBAKER

COLLEGE OF ENGINEERING**Degree of Bachelor of Science***In Aeronautical Engineering*

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 CLARKE LEO NEAL
 DAVID DEAN NEVILLE
 WALTER REINHOLD NORDQUIST, High
 Honors

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 NATALINO PANICALI
 HENRY CHUEN-HSIEN PAO
 LEVIN JASPER PEEK, Jr.
 WILLIAM MARCELLUS PETEFISH, Jr.
 FERDINAND JOSEPH PIRNAT, Jr.
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 JOSEPH JOHN SABAN
 JAMES GRANT SAVAGE
 RICHARD JOSEPH SCHMITT
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 EDMUND ADCOCK SCHOTT
 WALTER JOSEPH SCHULTZ
 HERBERT MILTON SCHWARTZ
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 DEALTON JAMES SMITH
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CAESAR GHILARDUCCI, Honors
 THOMAS RONALD HOFMANN
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JAMES WILLIAM SHIVELY
 CHARLES JOSEPH ULRICK
 CHARLES ROBERT ZARTMAN, Honors

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 ROBERT GARRETT BRECKENRIDGE
 CLARK COGSWELL
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In Industrial Engineering

ROBERT RUFUS BARACKMAN
 THEOPHILUS FREDERICK BIENIASZ
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 ROBERT DANIEL FITZGERALD
 ALLEN HARVEY GERSTEIN
 PETER WAGNER HOGBERG
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 ALAN K. NUDELMAN

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 Honors

In Mechanical Engineering

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 RONALD EUGENE DEMPSEY
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ROBERT JOSEPH PUSANIK
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COLLEGE OF LIBERAL ARTS AND SCIENCES

Degree of Bachelor of Arts

In Liberal Arts and Sciences

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 Liberal Arts and Sciences with
 Distinction in Botany
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 RUTHE MARIE BEALS
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 LUCILLE HOUSE BELCHER
 JOHN CARL BERGSTROM, Honors in Lib-
 eral Arts and Sciences with Dis-
 tinction in Political Science
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 SHIRLEY-ANN KATHERINE BLOEDORN
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 in Liberal Arts and Sciences with
 High Distinction in Philosophy
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 eral Arts and Sciences
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 BARBARA HAZEL DEAL
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 VIRGIL LAWRENCE DORSEY
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 Liberal Arts and Sciences
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 eral Arts and Sciences with Dis-
 tinction in Sociology
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 High Distinction in Spanish
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 MARGRET IRIS OTTO, Honors in Liberal Arts and Sciences
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 JUDITH HANSEN PIRTLE, Honors in Liberal Arts and Sciences
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 SALLY DIANE QUACKENBUSH
 BARBARA EILEEN REARDON
 MARGARET ANN REESE
 JANET KAY REISSEN, Honors in Liberal Arts and Sciences
 FREDRIC NORMAN RICHMAN
 HAROLD SAMUEL ROSENBERG, Honors in Liberal Arts and Sciences
 HELEN ANN RUOPP, Honors in Liberal Arts and Sciences
 GAIL ELAINE RUTTENBERG
 SUSAN BANDLOW RYPSTAT
 EARL HENRY SACHTLEBEN
 RAYMOND CHESTER SCHANDELMEIER
 MERLE JOSEPH SCHRODT, Honors in Liberal Arts and Sciences
 GEORGE RUSSEL BURNS SCOTT
 LAWRENCE LEROY SHAFER
 GERALD J. SHERMAN, Honors in Liberal Arts and Sciences with Distinction in Political Science
 RONALD EVERETT SHOEMAKER
 MYRNA BETH SHURE
 MARY ELISE SIEBERT, Honors in Liberal Arts and Sciences
 ROBERT LEE SILBERSTEIN, JR.

KARL ANDREAS SIMON
 GAREE AYTON SLIDER
 ETTABELLE SLUTSKY, Honors in Liberal
 Arts and Sciences with Distinction
 in Philosophy
 KAREN ELISABETH SMITH
 JOYCE LYNNE SNYDER
 RONALD EDWARD SPATZ
 J. BRUCE STADWISER
 FRED RICHARD STARK, Honors in Lib-
 eral Arts and Sciences with Dis-
 tinction in History
 STANLEY CHARLES STEPHAN, Honors in
 Liberal Arts and Sciences
 ANASTASIA EILEEN SULLIVAN
 MATTHEW GERALD SWIFT, Honors in
 Liberal Arts and Sciences with
 Distinction in Political Science
 CONRAD JOSEPH SZUBERLA, Honors in
 Liberal Arts and Sciences
 CHARLES ROBERT THOMAS
 CHARLES MICHAEL TUCKER, Honors in
 Liberal Arts and Sciences with
 High Distinction in English
 JOHN VANDERMEEY, JR.
 DAVID JOSEPH VANDVEER, Honors in
 Liberal Arts and Sciences
 MARGUERITE MARIE VERLEY, Honors in

Liberal Arts and Sciences with
 Distinction in Anthropology
 GEORGE RANDIS VIRGIL
 MARGARET HALLET WAALER
 GRACE MARGARET WAGNER
 JANICE LAUREL WAISHNOR, Honors in
 Liberal Arts and Sciences
 BARBARA ANN WALKER
 MIKE HAMER WALTERS
 NANCY JEAN WARNER
 BARBARA NAUDAIN WATKINS, Honors
 in Liberal Arts and Sciences with
 Highest Distinction in Political
 Science
 ROBERT ALLAN WATTS
 HOWARD CARTER WECHSLER
 RICHARD HARRY WEERTS
 PAULINE WEISSMAN
 BARBARA BAILEY WELLS, Honors in
 Liberal Arts and Sciences with
 Distinction in Sociology
 JAMES HENRY WHITE
 MILES KENT WHITTEN
 ALAN M. WIENER
 DONALD BRUCE WILLARD
 ARNOLD WOLOCHUK
 MARJORIE ANN WULFF
 ROMAYNE SKARTVEDT ZIROLI

In the Teaching of English

DIANNE VALERIE BAUMANN, Honors in
 Liberal Arts and Sciences with
 Highest Distinction in the
 Curriculum
 FRANCES AULISI BAUMGARTNER
 BERNADINE THERESE BLOMQUIST
 CARLENE MARGARET CARLOTTA
 BLUMENTHAL
 VIRGINIA ELLEN BOLIN, Honors in Lib-
 eral Arts and Sciences
 JOAN ROBERTA D'IMPERIO
 JANE WHITNEY FAULKNER, Honors in
 Liberal Arts and Sciences with
 Distinction in the Curriculum
 SANDRA JEAN GIANNONI
 MURIEL SHEILA GOLDSMITH, Honors in
 Liberal Arts and Sciences with
 High Distinction in the Curriculum
 ROCHELLE FAY GREENSPAN, Honors in
 Liberal Arts and Sciences
 JANE LAROSE JEFFERSON
 KAY DEMARIS JONES
 NITA ANN KING
 CORINNE LERNER KORNMAN
 CAROLYN RAE MEADORS, Honors in Lib-
 eral Arts and Sciences

MICHAEL JAMES MURPHY, Honors in
 Liberal Arts and Sciences with
 High Distinction in the Curriculum
 JOYCE MAUREEN PETERS
 DIANA FLYNN RACINE, Honors in
 Liberal Arts and Sciences
 GERRY ANNA RADER, Honors in Liberal
 Arts and Sciences
 MARJORIE HUME SHOAF, Honors in
 Liberal Arts and Sciences
 JUDITH SUZANNE SMITH
 VIRGINIA VERTIME TEARJEN, Honors in
 Liberal Arts and Sciences
 JUDITH EILEEN TRUMMEL, Honors in
 Liberal Arts and Sciences
 CAROL ANN WALKER, Honors in Liberal
 Arts and Sciences with High Dis-
 tinction in the Curriculum
 MARY MACK WEHNER
 PRISCILLA FISHER WOLZ, Honors in
 Liberal Arts and Sciences with
 Distinction in the Curriculum
 JOAN CLAIRE ZANDER

In the Teaching of French

MARJORIE JOAN ANDERSON
 ANN ELIZABETH EHRLICH

SANDRA JEAN GREENLEAF, Honors in
 Liberal Arts and Sciences

In the Teaching of German

ROBERT FRED BELL, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
EVELINA KAMINSKAS

ALDONA MOGENIS WALKER, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum

In the Teaching of Social Studies

BETTY CANFIELD BLACK, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
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ANNE BURNETT
CAROL JEAN CLAUSER, Honors in Liberal Arts and Sciences
PATRICIA JEAN CLOVER, Honors in Liberal Arts and Sciences
RUTH MERLE DECKER
CARL WALTER ESSLINGER
JOYCE CAROL GLOPPE
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SARA LOUISE JOY

MARDELLE LOUISE KRIER
MARILYN JEANNE NARLAND, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
JUDITH ANNE ROWLEY, Honors in Liberal Arts and Sciences
BARBARA REUTER SCHEMMEL, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
SANDY JEANNE SCHUSTER
DAVID LYNN SNOWDEN
ANDREW AARON SORENSEN
EDITH DIANE SROKOWSKI
GERALDINE SUSKIN
ELIZABETH JANE WAKEFIELD, Honors in Liberal Arts and Sciences

In the Teaching of Spanish

BERNICE KAY FERGUSON, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

NANCY ADELE STURIES
ROSEMARY ANNE SUAREZ

In the Teaching of Speech

GARLAND TEMPLE BORNE
JEAN ALLISON DRAEGERT
PATRICIA EILEEN FREEHILL

MARGARET JEAN HEINO
NANCY JOAN HURT

Degree of Bachelor of Science*In Chemical Engineering*

ROY LESLIE ANDERSON
ROBERT MICHAEL BERNERO, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
RONALD D. BROWN, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
EVAN BUCK, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
BRUCE ALFRED BYDAL, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
JOHN RAYMOND CAIN
JOHN JOSEPH CLANCY, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
RUDOLPH FERENTCHAK
JAMES WALTER GARZANELLI, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
JAMES ARNOLD GIESEKE, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
JOHN ROBERT GRIFFIN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

JOHN LESTER HUDSON, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
GARY DON JOHNSON
GEORGE ELMER KOCHER
JOHN RUBEN McWHIRTER, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
ALAN DAVID MODINE, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
ALBERT JAMES MOLL, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
MELVIN MASATO NAKAMURA
ROBERT ARTHUR NATTIER
GEORGE FRANKLIN SMITH III
MICHAEL GRAHAM SOVEREIGN
DENNIS RAY STAUFFER
FLOYD JOSEPH VLASAK
CHARLES LOUIS WOLVEN, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum

In Chemistry

- PETER FREDRICK ARVEDSON
 MARY JANE DOLORES BANASIK
 DAVID SHELDON BERGMAN
 ROBERT GIDEON CARLSON, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
 PATRICK EDWARD CASSIDY, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
 CLIFFORD RUSSELL DORN
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 JAMES HOMER GRIFFITH, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
 DANIEL FRANKLIN HARNISH, JR., Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
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 GEORGE PHILLIP HICKS, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
 DALE ALLEN JOHNSON, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
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 BRUCE LEHR KENNEDY
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 LAWRENCE BURTON KOHLENBERGER
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 PAUL HUBERT SCHERTLER
 MARIJA AUDRONE STAKE, Honors in Liberal Arts and Sciences
 JOHN HENRY STROHL, Honors in Liberal Arts and Sciences with Distinction in the Curriculum
 ANDREW URBAN III
 HAROLD PAUL WAITS, Honors in Liberal Arts and Sciences with Highest Distinction in the Curriculum
 VICTOR ALLAN WILLIAMS, Honors in Liberal Arts and Sciences

In Home Economics

- NANCY ANN CARLSON, Honors in Liberal Arts and Sciences

In Liberal Arts and Sciences

- NEIL ROGER AARONSON
 CECILIA JACQUELINE ADAMS, Honors in Liberal Arts and Sciences
 CYNTHIA JANICE ALLEN
 DONN PAUL ALSPAUGH
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 RICHARD TERRANCE ARBOGAST, Honors in Liberal Arts and Sciences with Distinction in Entomology
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 LEON IRWIN BENDER, Honors in Liberal Arts and Sciences
 WALTER JOSEPH BENEDIX, JR.
 MARILYN BERKOWITZ
 ELAINE ROSEN BERMAN, Honors in Liberal Arts and Sciences
 MAX HAROLD BERNS
 MYRNA BRAND, Honors in Liberal Arts and Sciences
 HOPE MARILYN CLARK
 DEAN CLARENCE COOPER
 GORDON LESLIE COTELL
- JOHN SCHOLL CROSS, Honors in Liberal Arts and Sciences with Distinction in Mathematics
 JAY LEONARD DASKAL
 CARL GARFIELD DAVIS
 DAVID HERMAN DEPPERMAN
 FERDINAND DESIMONE
 HERMAN ISADORE DIESENHAUS, Honors in Liberal Arts and Sciences
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 ROBERT ALAN DOEPP, Honors in Liberal Arts and Sciences
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 DONALD ERLE DOYLE
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 FRANCES YOSHIKO EBISU
 MARILYN NINA ECKER
 ANNE EHRET, Honors in Liberal Arts and Sciences with High Distinction in Chemistry
 ARTHUR CARY FENN, Honors in Liberal Arts and Sciences
 IRWIN FRED FLACK

- TIMOTHY DEVINE FOSSE
 GENE THOMAS FOX, Honors in Liberal Arts and Sciences
 SHARON RUTH FRANKEL, Honors in Liberal Arts and Sciences
 MICHAEL SHOLOM GELLER
 MICHAEL PERRY GERMANO
 LOIS ANN GIESE
 THOMAS LEE GILLESPIE
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 RONALD LEE GOLDSTEIN
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 GAIL ADELA HECHT, Honors in Liberal Arts and Sciences
 GENE WILLIAM HEIEN, Honors in Liberal Arts and Sciences
 ROGER CLINE HENDRICKS
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 MARVA LEAN HINTON
 JANET ANN HOELZEL
 MARILYN GAIL HOLTZMAN, Honors in Liberal Arts and Sciences
 HAROLD ISENBERG
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 WILLIAM KAGAMI
 HYONG HWAN KANG
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 ALAN RUDOLF KRASBERG
 ARTHUR ELLIS KROFT
 GEORGE EDWARD KURASH, JR.
 LEONARD JOSEPH KUT
 BOHDAN KUTKO
 JON MORSE LAIBLE, Honors in Liberal Arts and Sciences
 DONALD DOMINIC LAMARCA
 HAROLD EVANS LAMBERT
 HOWARD FRED LANGHOFF
 PAUL MARVIN LERNER
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 CLEMENS ALEXANDER LOEW
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 BEATRICE VIDA MATUKAS, Honors in Liberal Arts and Sciences
 ROGER ALAN MAUPIN
 NILS MELAND
 ADOLPH LOUIS MICHELI
 LOUISE MIDDLEMAS
 OLIVE BATEMAN MILLAR
 WILLIAM JOSEPH MORESSI
 TASSOS PETER NASSOS
 BARBARA JUNE NORRIS
 JERROLD POLTEROCK
 BILLY GEORGE POWERS
 SONIA JEAN RINGSTROM
 PATRICIA ANN ROLLINS
 ROBERT ROSS
 LOUIS ROWITZ
 DONALD WILLIAM ROZNAK
 RONALD RUBENSTEIN
 HARRIS RUBIN
 SAFET MUSTAFA SARICH
 ROBERT JEROME SCANLON
 SYLVIA JO SCHLUETER
 MICHAEL LEWIS SCHNEIR
 JOHN EUGENE SHAFFER
 MARY SUE SHELTON
 ROBERT FREDERICK SIEGERT
 SAMUEL SOLOMON, Honors in Liberal Arts and Sciences
 JACQUELINE LEE SOWERS
 ROBERT NEAL SPETH
 JOHN RICHARD STAHLMAN
 PEGGY ANNE STAMER, Honors in Liberal Arts and Sciences
 DAILA THERESA STANAITIS
 VICTOR IRA STEINER
 JOANNA CHRISTINE SZYSZKOWSKA
 ROGER KAY TAYLOR
 DON FRED TEMPLIN
 FLORENCE AINO THOMPSON, Honors in Liberal Arts and Sciences
 ALLAN DAVID TOBIAS
 JUDITH MORTENSON TWAROG
 ROBERT GEORGE VANDERSTRAETEN
 BRUCE DIETRICH VELDE, Honors in Liberal Arts and Sciences
 MARSHALL WALL, Honors in Liberal Arts and Sciences
 STEPHEN RICHARD WEBB, Honors in Liberal Arts and Sciences
 LORIN DIXON WHITTAKER, JR.
 LYMAN JOHN WILMOT, Honors in Liberal Arts and Sciences
 HOWARD WINET
 WILLIAM PRESLEY WINKLER
 JAMES ABBOTT YARROW
 CAROLYN KAY YOUNGLOVE
 RAMON MATHEW ZOLLER, JR.

In Physics

- RICHARD BALSAM, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum
 JOHN ROBERT BASKETT
 DWIGHT ELLSTON ISBELL
 PETER NATHAN KRAMER, Honors in Liberal Arts and Sciences
 WALLACE ELDER LLOYD
 CHARLES CURTIS TONIES

In Speech Correction

SUE JEANNE BANDY
IDA MAXINE BOUGHNER
SHARON FOWLER BOYD
MARY LOUISE BUSH, Honors in Liberal
Arts and Sciences
MARGUERITE MARY DAVIS
VIRGINIA MARGARET HOLLENBACH
ELLEN ROSE HOMANN, Honors in
Liberal Arts and Sciences with
Distinction in the Curriculum

TERRYL ARDEAN LASH, Honors in
Liberal Arts and Sciences with
Distinction in the Curriculum
GEORGIA ANN MARSHALL
BETHANYANNE PINNELL
JESSICA ANN POTTER, Honors in
Liberal Arts and Sciences with
High Distinction in the Curriculum
PATRICIA STICKLER PROCTOR

In the Teaching of the Biological Sciences and General Science

FRANKLIN WETMORE BLYE
BARBARA JEAN GLOW
BARBARA JEANNE INGOLD
AMY MEGUMI ISHIBASHI, Honors in
Liberal Arts and Sciences with
Distinction in the Curriculum
CHARLENE ELLICE PRASSE

JOHN EDWARD STENCEL, JR., Honors in
Liberal Arts and Sciences with
Distinction in the Curriculum
ALMA LOUISE SYLVESTER
NANCY JO VANCURA, Honors in
Liberal Arts and Sciences with
Distinction in the Curriculum

In the Teaching of Mathematics

MARY ELIZABETH BLEWETT, Honors in
Liberal Arts and Sciences with
Highest Distinction in the
Curriculum
SARAH JANE HOFASAS, Honors in
Liberal Arts and Sciences with
High Distinction in the Curriculum

KAREN LEMME THOMPSON, Honors in
Liberal Arts and Sciences with
High Distinction in the Curriculum
LILLIAN WATTS TOWER
JACQUELINE ALICE WEEDEN, Honors in
Liberal Arts and Sciences with
High Distinction in the Curriculum

COLLEGE OF LAW

Degree of Bachelor of Laws

BOYD WILSON ALLEN, JR., B.S., 1958
THOMAS MILBURN ANDERSON, JR., A.B.,
Beloit College, 1956
JAMES GABEL ARCHER, A.B., 1957; High
Honors
MICHAEL INGLES CAMPBELL, B.S., West-
ern Illinois University, 1956
THOMAS ENGLISH CHILCOTT, B.S., 1956
GLENN J. CHURCH, A.B., 1954
CLAIB LEE COOK, JR., A.B., 1954;
Honors
HOWARD MORTON DENENBERG, B.S.,
Northwestern University, 1956
ZELDA TRENNER DERBER, A.B., Univer-
sity of Akron, 1934
JOHN PORTER EAST, A.B., Earlham Col-
lege, 1953
WILLIAM HENRY EBBINGHAUS, A.B.,
1954
REGINA GYTE FIRANT, A.B., 1957
JERALD SANFORD GALOWICH, B.S., 1958
RONALD HOWARD GALOWICH, B.S., 1957
WILLIAM EUGENE GETZEN, B.S., 1954
WILLIAM SHEPARD GIBSON, JR., B.S.,
1954
MORTON GOLDSMITH, B.S., 1956
CHARLES RICHARD GRUNY, A.B., Illinois
College, 1953
JAMES DALE HANSON, B.S., 1953

JOHN GILMORE HAYES, A.B., 1954
JAMES ALBERT HUMPHREY, A.B.,
DePauw University, 1954
JAMES DONALD HURLEY, JR., A.B., 1957
ROBERT DANIEL JACKSON, A.B., South-
ern Illinois University, 1954
THEODORE ALBIS JACKSON, B.S., 1958
RONALD JAMES JAICOMO, B.S., Bradley
University, 1954
JIMMIE DALE KEEHNER, A.B., 1957
THOMAS ANDREW KILLOREN, B.S., 1952
GARY JOSEPH LEONARDO, B.S., 1959
ROBERT LOYAL LINDGREN, B.S., 1956
LYLE EURICE LIPE, B.S., 1954
CARL ALBERT LUND
THOMAS WIMP LYNCH, B.S., 1955;
M.S., 1958
JOSEPH MICHAEL MATHIS
SARAH MARGARET McALLISTER, A.B.,
1954
JOHN FREDERICK McNETT, A.B.,
DePauw University, 1956
JOEL MILLER McNULTY, B.S., 1953
ANTHONY JOSEPH PAULETTO, B.S., 1957
BYRON MONROE POWELL, A.B., Beloit
College, 1956
NORMAN HUGH RACINE, B.S., 1956
ALFONSO WILLIAM RAZZANO
EDWARD EARL REICIN, B.S., 1957

ALLAN JESSE RENICHE, A.B., 1957;
Honors
KENNETH FRANCIS RITZ
FRED MASON ROBISON, B.S., 1956
EARLE VINCENT RYAN, A.B., St. Ambrose College, 1954
JAMES STEWART SHELTON, B.S., 1956
JERRY ELLIS SKINNER, A.B., Illinois Wesleyan University, 1956

MELVIN HARVEY SORKIN, B.S., 1957
THOMAS HUMM TRAGER, A.B., Dartmouth College, 1953
JACK WAALER, A.B., 1956
DONALD EUGENE WESTBROOK, A.B., 1953
JAMES KENNER WHITAKER, A.B., 1957
CARL FRANCIS WRENCH, A.B., 1957;
Honors

COLLEGE OF EDUCATION

Degree of Bachelor of Science

In Education

MYRON HOWARD ANDERSON
RICHARD HUGH BAKER
BEVERLY DIANE BARR
CARL EMSLEY BASS
CAROL ANN BRANDT, Honors
BETTY LOU BRENTNER
DONNA RAE CHILES
LEO HENRY EMERY
BETTY BLACK HENRY
FRANK EDWARD KEPPELER
ELIZABETH BROWN LLOYD

MARILYN MARGUERITE MCWARD
JANE BERRY PARK
MARY EVELYN SMITH REAGAN
RICHARD PAUL SARGENT
JOSEPH DIXON SMITH
JAMES CARL TIMPE
YVONNE FRANCES VISH
VIRGINIA QUARTIER WAYNE
GAIL FOSTER WELCH
ARTHUR WISEMAN
ALLAN SHAW WOLFSON

In the Education of Mentally Handicapped Children

ARLENE SHEILA DUNNE
DOLORES TOLER HEINS, High Honors
AVIVA KATZ

STUART BAYES MCKENTY
EVELYN BERNICE RUPPRECHT
IRIS JACOBS SARRO, Honors

In Elementary Education

JACQUELINE LYNDALL ABRAMS
LYNNE IRIS ALDERMAN
SHIRLEY MARIE ALEXANDER
SUZANNE ALTHOFF, High Honors
IRENE DELLORA ANDERSON
JANET LEE ATEN
CONNIE BEDNARZ BABCOCK
DOROTHY ANN BARAN
BARBARA ANN BECKWITH
BRINDALL BEREST
ARLINE FAYE BERGQUIST
MARILYN LOUISE BOLCHERT
NANCY IRENE BOLDT
PATRICIA MILLER BRECKENRIDGE
RHEA DAVIS CABIN, High Honors
ALICE BEVERLY CARLSON
BETTY FUNG-KEI CHAN
JUDY MARGARET CLARK
MARILYN SCANZONI COLLINS
MARY CARR COOLEY
CAROL ANN COX
KATHRYN MARY DALY
CAROLYN FAY DARCH
MARI ANNE DAVISON
MEREDITH ANN DYKSTRA, Honors
JOSEPH KARL EBERHART
JOYCE ANN ERICKSEN
NANCY CAROL EVANS, High Honors
SONDRA ROSIN FISHMAN, Honors
MARY LUCINDA FORSYTH

LINDA SUE FREEMAN, Honors
JUDITH ANN FRIBLEY
MARY ELIZABETH GERSPACHER
WILMA ADRIENNE GILLMAN
JOANNE EDITH GLAESER
JOYCE RAEZA GOODMAN
JEAN ANN HAMILTON
MARIE PETERS HARLAN, Highest Honors
CAROL CORENE HEATH
SIMA DOREEN HEFTTEL
NORMA JEAN HIGHLANDER
JUDITH LYNN HIVELEY
WILMA GRACE HOLLENBACK
BETTY JEAN HOLPUCH, High Honors
PEGGY INGALLS
JO ANN IVENS, Honors
KAREN KAUFMANN
SUE ZAN KEAGLE
SHEILA WEINBERG KEESHIN
GLORIA JUNE KELLER
ISABEL ENEBORG KENNEDY
JANICE LEE KEREN
SUZANNE MARIE KING
MARY ELLEN CHRISTINE KJELLGREN
LOUISE FLACKS KURASH
BARBARA LUCILE LANGLEY
PATRICIA ELIZABETH LAZAR
MARY ANN LEONARD
NANCY LEE LINN

PATRICIA LOUISE LONG
 JANET KAY MCBAIN, High Honors
 PATRICIA ANN MCCORMICK, Highest Honors
 MILDRED McMURRAY, Honors
 JUDITH ROSE McWARD
 MERLE WEISS MEISELMAN
 ALEXIS MICHAEL
 ETHEL HARRIET MINOR
 EVELYN PAULINE MINTUN
 ALTRICIA ROENE MISSE
 COLLEEN EDNA MORIARTY
 PATRICIA ANN MULLOWNEY
 JUDITH KAY ORR
 ADRIENNE SANDRA PAULL
 BETH MARGARET PEARSON
 ANNE CAROLYN PICKETT, Honors
 JUDITH ANN PIETSCH
 SUSAN NELL PRILLAMAN
 BETTY MONTGOMERY RICH
 SYMMA KITOVER RICH
 SONDRRA KAY RIFES
 BETTY KENYON ROOKER, Honors
 PATRICIA ANN SAGER
 ARLENE FANNY SAMUEL

BARBARA MAX SAPP
 CAROL JEAN SCHMITT
 MARY ELIZABETH SCHNOBRICH
 MARY CULP SCHWAB
 BEATRICE ANN SCIARINI, High Honors
 LOUISA MAY SEMERDJIAN
 FRANCINE CAROL SHAPIRO
 MARY ANN SHURTZ
 ALICE MARIE SKLENICKA, Honors
 VERA RUHMAN SLATER
 MARY ANN SMITH
 ANN CLAIRE SOGNEFEST
 JANE CAROL SPEERS
 INA SUE STARR
 LUCILLE RARDIN STEWART
 CAROLE ANN TARADASH
 JUDITH ANNE TAYLOR
 JUANITA RHODES THOMAS
 RUTH MILDRED TOWNSEND
 JOAN BREJCHA VOTRUBA, High Honors
 JILL WALLACE
 MARGARET REDGWICK WALTERS
 DIANE RUTH WEHRMEISTER
 CAROL REED WEISS, Honors
 VIRGINIA BAUMAN ZALESKY, Honors

In Industrial Education

ROBERT CALLEN BARTLETT
 THOMAS DONALD BOYLE
 ROBERT CRICHTON BROWN
 WILLIAM EUGENE DEARWORTH

DAVID GEORGE REWERTS
 ARNO HENRY SCHRIEFER, JR.
 DONALD EARL SMITH
 ALVIN LEE VAN CLEAVE

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

In Accountancy

PAUL EDWARD ALTIG
 RONALD LLOYD ANGLE
 ALLAN EDWARD BIBLIN, Honors
 BRUCE HOWARD BLOCK
 NEIL GARY BLUHM
 EDWIN ALLEN BORDEN
 JOSEPH THOMAS BRUSHERD
 RODGER WAYNE CALLIHAN, Honors
 NICHOLAS JOHN CARRAS
 KENNETH JAMES COCHRANE, Honors
 JAMES SAMUEL COLE
 RICHARD BURR COLLINS, Honors
 ROYAL LEE COX, Honors
 MARVIN DUANE DENNIS
 DERRALD CLARENCE DOEHRING
 DEAN DONALD DREWEL
 DONALD LESTER FERRIS
 RICHARD MAYER FISCHMAR
 RICHARD ALAN GOLDSTINE, Honors
 RONALD RAY GUTHOFF
 KENNETH ALLEN HAMILTON
 GEORGE LEWIS HARLAN
 VICTOR LYLE HARVEY
 JAY EDMUND HECHTMAN
 WILBUR LEE HOLMES
 DOROTHY MAY HUISINGA

ALLAN LOUIS JANDERA
 JAMES CHARLES JARRELL
 SOLOMON M. KAMM, Honors
 ALFRED LLOYD KILLIAN
 RICHARD EDGAR KIRCHHOFF
 ARTHUR AUGUST KRUMREI, JR.
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 FRANK MAJOCHA
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 BARBARA ANN WILFORD
 ROBERT ALAN YOUNG

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RICHARD SWIFT WINTON

In Marketing

OWEN HOERR ACKERMAN
 STEWART MARVIN AGOOS
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 HARRY FORREST BEACH
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 JON PAUL BOOK
 JAMES ARTHUR COLEMAN
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 MAURICE ROTH
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 ROY JOE WATKINS, Honors
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JOYCE DELVINA AGRESS
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In Urban Land Economics

JOHN WILLIAM CONNOLLY
 DAVID FARRAND LIVINGSTON, JR.

EDGAR BJERRE MADSEN
 ROBERT IRVING PORGES

COLLEGE OF JOURNALISM AND COMMUNICATIONS

Degree of Bachelor of Science

In Communications

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 NEAL BALL
 THOMAS SANBORN BARBER
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JAMES DUNCAN BELL
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 FRANCIS WILLIAM CAHILL
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 WILLIAM WARREN DONAHOO
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 THOMAS KEITH ETNYRE, Honors
 MORTON GOULD
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 DONALD JOSEPH KAISER
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 CAROL ROSALIE LEAF
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MARY SCHUMACHER MOHRMAN, High
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 MICHAEL EARL NEGLEY
 ROBERT CHARLES NEWTH
 GERARD PETER NUGENT
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 JEANNINE LORETTA RHINE
 MARY JOANNA RUSSELL
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 GEORGE WENDELL WILLHITE
 RICHARD GERALD WILLIFORD
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COLLEGE OF FINE AND APPLIED ARTS

Degree of Bachelor of Architecture

JAMES ALBERT BABCOCK
 EUGENE ELMER BAETHKE
 HAROLD VAN CLEVE BEXTEL, Jr.
 ANTHONY ALEX BONAVOLONTA
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 EDWARD SHOCK HALL
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LOUIS ARTHUR WEISS

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SUSAN JANE GLIESSMAN
THOMAS CARLYLE HEIN
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SHARON GAIL REEVES, Highest Honors
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Highest Honors
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NORMA JEAN HILL, Honors
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 SVEN VALDEMAR KIRKEGAARD
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 JAMES ANDERSON WHITE
 JOHN PORTER WILLIAMS

COLLEGE OF VETERINARY MEDICINE

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 CALVIN WILLIAM BARTHEL
 DEE CHARLES BOSWELL
 RICHARD PATTON BRADBURY
 JOSEPH LEO BREWER
 MARVIN ALLEN COSNOW
 ALBERT JUNIOR DAY
 EDWARD JOHN DICK
 JOSEPH ANTHONY DUCE, Honors
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 LAWRENCE FRIEDMAN
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 GERALD HERMAN HANKES
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 CHARLES GOLDEN HENDRICKSON
 ROBERT STEPHEN HIRTH, Honors
 JOHN WILLIAM HORN
 DAVID LESLIE HUXSOLL, Honors

ROBERT LYNN KINSER
 WESLEY DALE KNUTSON
 KENNETH EDWARD KOPECKY
 LOUIS ERNST LANDAU
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 NOEL DAVID MARION LEHNER
 MARJORIE BRAUN LOSCH
 WILLIAM REEL LOSCH
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 LEE FRANK PATEL
 JOHN WAYNE REHN
 LAWRENCE JOSEPH RODER
 PHILIP QUENTEN ROSE
 ELLIS EARL SEAVEY
 LOUIS EDWARD STRACK, High Honors
 LESTER GARLAND THOMSON
 FREDDIE LEROY UHLAND
 KENNETH LOUIS WRONKE

Degree of Doctor of Veterinary Medicine

DALE MILTON BENNETT
 DWIGHT GRANVILLE BENNETT, JR.
 ROBERT STEVENS BLAKELY
 MARION DAVID BLILER
 WILLIAM EDWARD BRITZ, JR.
 GLEN DAVID CALHOUN
 MARVIN THEODORE CASE
 MELVIN GEORGE DEWEY
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 DONALD LOUIS HOUSTON
 JERALD WAYNE KLECKLER
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HAROLD GLEN MEINER
 BERYL DAVID MELL
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 ROBERT ALLEN PRICE
 DANIEL WILLIAM SCHAMPER
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 JAMES VICTOR SCOTT
 DONALD LEE SINGLETARY
 ROBERT GENE WILLIAMS, Honors
 ROBERT JUSTIN YOUNG
 PHILIP ZAND
 WESLEY JAY ZEHR

*Degrees Conferred at Chicago***HONORARY DEGREE****Degree of Doctor of Science**

ERNEST H. VOLWILER

GRADUATE COLLEGE**Degree of Doctor of Philosophy***In Anatomy*

LLOYD BERNHARDT ERIKSON, A.B., University of Rochester, 1949; A.M., University of Oxford, 1956

HERMAN MEDAK, B.S., University of Toledo, 1943; D.D.S., M.S., Northwestern University, 1946

JAMES AMOS YAEGER, D.D.S., M.S., Indiana University, 1952, 1955

In Biological Chemistry

BERNICE LOTTIE DMUCHOWSKI, B.S., 1951; M.S., Northwestern University, 1954

GLADYS GOLD KRAKOW, B.S., Roosevelt University, 1952; M.S., 1957

WARREN WELLS, A.B., A.M., Iowa State Teachers College, 1950, 1955

In Microbiology

JOHN WILLARD RIPPON, B.S., University of Toledo, 1953; M.S., 1957

In Physiology

ROBERT ALAN BARATZ, B.S., University of Wisconsin, 1952; M.S., 1954

Degree of Master of Science*In Anatomy*

DONALD FAIRBAIRN MACDOUGAL BUNCE II, B.S., University of Miami, 1951

MARGARET WILKINS DUBOIS, B.S., Roosevelt University, 1955

JOHN FRANCIS STREMPLE, A.B., Lake Forest College, 1957

SUNDER JETHANAND VAZIRANI, B.D.S., University of Bombay (India), 1952

In Biological Chemistry

RALPH HERMAN KATHAN, B.S., University of Chicago, 1949

In Chemistry (Pharmaceutical)

JOHN LELAND FISCHER, B.S., 1955

BRUCE DOUGLAS MARTIN, B.S., Union University, 1955

In Histology

ROBERT ERNEST GOING, A.B., Valparaiso University, 1948; B.S., D.D.S., 1951, 1953

RICHARD LEIGH HOFFMAN, D.D.S., Northwestern University, 1946

FREDERICK JAMES MARSHALL, D.M.D., University of Oregon, 1949

WILLIAM ARTHUR MILLER, B.D.S., University of London (England), 1956

In Microbiology

LAWRENCE JOSEPH ALFRED, B.S., Xavier University, 1952

ROBERT MAX BECHTLE, A.B., State Teachers College (Valley City, North Dakota), 1947

RONALD ALAN ZUSSMAN, B.S., Loyola University, 1957

In Oral Surgery

EUGENE CASIMER LEKAN, A.B., Illinois College, 1949; B.S., D.D.S., 1954, 1956

In Orthodontics

- ROBERT ANDREW ANDERSON, B.S., Oregon State College, 1952; D.M.D., University of Oregon, 1954
 SAMUEL BERKOWITZ, A.B., D.D.S., New York University, 1949, 1954
 KLEVE CARLYLE JOHNSON, B.S., D.M.D., University of Oregon, 1953, 1955
 JOHN JOSEPH SCULLY, D.D.S., University of Pennsylvania, 1954
 BERNARD ARTHUR YENNE, D.M.D., University of Oregon, 1954

In Pathology

- DAVID ANTHONY ROTHSTEIN, B.S., 1957

In Pedodontics

- WILLIAM ANTHONY BARRY BROWN, L.D.S., Guy's Hospital Dental School (England), 1950
 IRAIDA PINEIRO GARCIA, A.B., Winthrop College, 1952; D.D.S., Loyola University, 1957
 MARVIN KOZLOV, B.S., D.D.S., 1954
 HANNELORE LOEVY, C.D., University of Sao Paulo (Brazil), 1953
 NIRMALA HASHMATRAI MANSUKHANI, L.D.Sc., Nair Hospital Dental College (India), 1954

In Pharmacology

- JOHN CLYDE BRINLING, B.S., Duquesne University, 1957
 JOSEPH RICHARD DAVIS, B.S., M.D., 1956, 1958
 JEAN-LOUIS ROGER RIEHL, B.S., M.D., 1952, 1954, 1956
 PARK WAYNE WAGERS, B.S., University of Kansas, 1954

In Physiology

- HENRY LAWRENCE MCCROREY, B.S., M.S., University of Michigan, 1949, 1950
 JOHN MANIERRE MILLS, A.B., B.S., 1955, 1957
 ERNEST JOHN SUKOWSKI, B.S., Loyola University, 1954

In Physiology (Clinical Science)

- KURTS WOLDEMARS LIEPINS, M.D., University of Marburg (Germany), 1950
 C. S. NARAYANA SETTY, M.B.B.S., University of Mysore (India), 1948
 RYUTA SUZUKI, M.D., Keio University (Japan), 1949

In Surgery

- GEORGE JOSEPH MARIAN SLAWIKOWSKI, B.S., A.M., Cambridge University (England), 1952, 1956; M.B., Ch.B., University of Edinburgh (Scotland), 1955

COLLEGE OF DENTISTRY

Degree of Doctor of Dental Surgery

- | | |
|---|---|
| EUGENE ELLISON AIKMAN, B.S., 1957 | ARNOLD CLEVS, B.S., 1957 |
| Eastern Illinois University, 1954 | BERNARD MARION COLE, B.S., 1957 |
| HENRY BAER, B.S., 1957 | JAMES FREDERIC CRAMER, B.S., 1957 |
| DENNIS BYRON BARBER, A.B., Washington University, 1955 | FRANK PAUL DEGAETANO |
| ERWIN PHILLIP BARRINGTON, B.S., 1957 | WILLIAM GEORGE DRACOS, B.S., 1957 |
| ROBERT LAVERNE BRADBURY, B.S., 1957 | ALLEN IRVING DRYSCH, B.S., 1958 |
| DEAN VARIAN BRADLEY, B.S., Elmhurst College, 1951 | ALFRED FERDMAN, B.S., 1955 |
| EDWARD BRENNER, B.S., Roosevelt University, 1955; B.S., 1957 | LEONARD IRWIN FISCHBACH, B.S., 1957 |
| TRACY LELAND BRYANT, JR., B.S., United States Merchant Marine Academy, 1954 | ROBERT JOSEPH FLAMER, B.S., 1957 |
| JAMES LOWELL BUCKNER, B.S., 1957 | ARTHUR FLICKER, B.S., 1955, 1958 |
| ANTHONY FRANK CASTROGIOVANNI | CYRIL LEO FRIEND, JR., B.S., 1957 |
| ROBERT JOSEPH CHALLENGER, B.S., 1957 | WILLIAM EDWARD FRYMIRE, B.S., 1955, 1957 |
| | WAYNE MERRILL GILMORE, A.B., Beloit College, 1955; B.S., 1957 |
| | ARNOLD GOLDSTEIN, B.S., 1955, 1957 |
| | JOSEPH WILLIAM GRUBER, JR., B.S., 1957 |

JAMES EDWARD HAGE, B.S., 1957
 JERRY DEAN HILL
 LAWRENCE SHERWOOD HOCHMAN, B.S., 1957
 JOHN OSCAR HUDGINS, JR., A.B., Southern Illinois University, 1955; B.S., 1957
 ROBERT HUGH HUMPHREY
 MILTON JACK ISAACS, B.S., 1957
 ALBERT LEVERN JACKSON
 BARRY ALLAN JANOV, B.S., 1957
 GUNTHER JULIUS KAZALLA, A.B., B.S., 1951, 1957
 GEORGE FRANCIS KENNEDY
 MORTON KREITZMAN, B.S., 1957
 CLIFFORD SHOJI KUWAMOTO, B.S., Michigan State University, 1950; M.S., University of Chicago, 1951
 ROBERT LEE LARSEN, A.B., Augustana College, 1955; B.S., 1957
 IRVING JEROME LEONARD, B.S., 1957
 WILLIAM HERMAN LINDENBERG, B.S., 1957
 LEO LEONARD LUNDBERG, A.B., Augustana College, 1952
 ALVIN MEDVIN, B.S., 1955, 1958
 ROGER CHARLES MICHALSEN
 BRUCE MOWAT

DANIEL SHERMAN NIELSEN, B.S., 1952
 LARRY ALVIN PERLIS, B.S., 1955
 WARREN EUGENE PETTY, B.S., 1957
 DONALD WORTH RICE, A.B., 1950
 JOHN DARREL RIEDLINGER, B.S., 1957
 NIJOLE APOLLONIA SALKAUSKAS, B.S., 1957
 GERALD PATRICK SCANLON, B.S., St. Procopius College, 1955
 EGON BENEDICT SCHEIN, B.S., 1956
 CHARLES WILBUR SHOLES, JR.
 CLAUDE IRVIN SIME, JR., B.S., 1957; with Honors
 JOSEPH JOHN STACHNIAK, B.S., 1953, 1957
 ARNOLD FELIX SUFALCO, B.S., 1957
 PAUL RAY SWAYNE, A.B., Wabash College, 1954; B.S., 1957
 PERRY VOORNAS, B.S., Loyola University, 1951
 NORMAN WAHL, B.S., United States Military Academy, 1946
 IRWIN ALLEN WEINSTEIN, B.S., 1957
 JOHN ORVILLE WELLS, A.B., Park College, 1955; B.S., 1957
 ROGER RAY WOLF, B.S., 1957
 WILLIAM ALLAN ZERIN, B.S., 1955

COLLEGE OF MEDICINE

Degree of Bachelor of Science in Occupational Therapy

JANET ASTRID ANDERSON
 SYLVIA KINKO ARAKAWA
 ROCHELLE BARBRE
 MARILYN EILEEN BERCHER
 EMILIE CLAIRE CUNNINGHAM BISHOP, with Honors
 GILBERT LEE FINK, with Honors
 MARTHA ANN GROSS, with Honors
 RUTH GOLDSCHMIDT GROSSMAN
 BETTY LOUISE HURWITZ

BARBARA JEAN TYNER LOAR
 ALICE RHODA MARKIN
 JANET FIELD MILLER
 CLARK LEAVERTON SABINE
 BARBARA JEANE SCHOB
 JUDITH SIMONSON
 NANCY JEAN SONS, with Honors
 SUSAN ANN STRANDIN
 MARJORIE ALICE WILHELM

Degree of Doctor of Medicine

GEORGE DONALD AURAND, A.B., Lake Forest College, 1955; B.S., 1957
 WILLIAM EDGAR BAILEY, B.S., 1957
 CHARLES SYDNEY BAKER, B.S., 1952, 1958
 JOHN STARK BARKER, B.S., 1957
 ROBERT FORREST BARNES, B.S., 1957
 RONALD JULIUS BECK, B.S., 1957
 JOHN LOWELL BENDER, B.S., 1957
 ROBERT FRANKLIN BERGERON, B.S., 1958
 LEONARD BERLIN, B.S., 1957
 RAYMOND ALTON BESSEMER, A.B., University of Chicago, 1954
 JOHN DONALD BEST, B.S., 1957
 GORDON RICHARD BLOOMBERG, A.B., B.S., 1955, 1957
 PETER ALBERTUS BOELEN, B.S., Calvin College, 1957; B.S., 1957
 ROBERT LEO BONUS, B.S., 1957
 EUGENE KENT BORCHART, B.S., 1955

DAVID CHARLES BOYCE, A.B., Southern Illinois University, 1955; B.S., 1957
 JEROME SAUL BRODY, B.S., 1955
 JOHN ANTHONY CABALA, B.S., 1957
 EDWIN JOSEPH CAREY, B.S., Northwestern University, 1949; B.S., 1958
 WILLIAM ALLAN CARO, B.S., 1957; with Honors
 FRANK CAVALLARO, B.S., Elmhurst College, 1955; B.S., 1957
 WILLIAM FRANCIS CAVENDER, B.S., 1955, 1957
 JACK LAMONT CHITTY, B.S., 1957
 ANN EFNER CLARKE, B.S., 1955, 1958
 WALTER HENRY CLARKE, A.B., 1951
 HAROLD LEE CONLEY, B.S., Butler University, 1952; B.S., 1958
 JOSEPH JAY CRITTENDEN, A.B., Wabash College, 1955; B.S., 1957

- ARNOLD DALE CURNYN, B.S., University of Notre Dame, 1955; B.S., 1957
- KENNETH WALTER CURTIS, JR., B.S., Beloit College, 1955
- RONALD LEE DEWALD, B.S., 1957
- DAVID PETER DISCHER, B.S., University of Notre Dame, 1955
- PAUL HOMER DUFFEY, A.B., B.S., 1956, 1957
- RICHARD CRANE DURLAND, B.S., 1957
- JAY DAVID ELLENBY, B.S., 1957
- JOSEPH LEO EMMERICH, B.S., 1957
- ROBERT BERNARD EPSTEIN, B.S., 1957
- JAMES ELWOOD ESHENAU, A.B., Iowa Wesleyan University, 1952; B.D., Northern Baptist Theological Seminary, 1955; B.S., 1957
- MAX FREDERICK FINKEL, B.S., 1957
- DONALD JAY FISHMAN, B.S., 1957
- RONALD SHERWIN FISHMAN, B.S., 1957
- LEO LESLIE FITZGERALD, JR., B.S., 1956, 1957
- ROBERT ANDREW FLINN, B.S., 1957
- ERNEST WILBUR FORDHAM, B.S., 1955, 1957
- MICHAEL IRA FRANK, B.S., 1957; with Honors
- RALPH KENRICK FRAZIER, B.S., 1949, 1958
- HARVEY MARTIN FREED, B.S., 1957
- JOSEPH C. FREMONT, B.S., 1957
- TED HOWARD GABRIELSEN, A.B., Asbury College, 1955; B.S., 1957
- GERALD JOSEPH GLANTZ, B.S., 1955
- EUGENE JACK GOLDMAN, B.S., 1957
- HANNAH GOLDSCHMIDT, B.S., Bradley University, 1952; B.S., 1958
- BARRY ARNOLD GOLDSMITH, B.S., 1957
- HARRIS SIDNEY GOLDSTEIN, B.S., 1955
- EVERETT PAUL GRAHN, A.B., B.S., 1954, 1957
- BURTON GREEN, B.S., 1957
- JOSEPH LEE GULICK, B.S., 1957
- DONALD HORD GUSTAFSON, A.B., Augustana College, 1954; B.S., 1957
- WILLIAM MCCLELLAN HAMBY, A.B., B.S., 1955, 1957
- DAVID RAY HAMILTON, B.S., 1957
- RICHARD THEODORE HARELIK, B.S., 1957
- JAMES SUTTON HASTIE, B.S., 1957
- JOHN GILBERT HEIKEN, B.S., 1957
- JOHN LYNN HILL, B.S., 1957
- DAVID WELTY HOCKMAN, A.B., Carthage College, 1955; B.S., 1957
- ROGER ALLEN HOEKSTRA, A.B., Calvin College, 1955; B.S., 1957
- GERALD KEITH HOFFMAN, A.B., Lake Forest College, 1951; M.S., University of Wisconsin, 1953; B.S., 1957
- MARTIN HOFFMAN, B.S., 1957
- HERBERT JAMES HOSTETLER
- SHELDON EUGENE HUFFMAN, A.B., A.M., University of Chicago, 1950, 1953; B.S., 1958
- JEROME BASIL JACOBSON, B.S., 1957
- ROBERT DOVE JENKINS, B.S., 1957
- CARL HARRY JONNER, A.B., Millikin University, 1955; B.S., 1958
- ALAN RICHARD KAHN
- LARRY MORTON KEER, B.S., 1957; with Honors
- ARWALT PAUL KEHLE, B.S., 1955; 1958
- THEODORE MATTHEW KING, B.S., Quincy College, 1950; M.S., 1952
- RONALD GARY KITE, B.S., 1957
- ALFRED JULIAN KOBAK, JR., B.S., 1957
- GEORGIA COLLEEN KOST, B.S., 1955
- WILLIAM JAMES KRAMER, B.S., 1957
- DAVID WALLACE KRANS, B.S., 1957
- CHARLES SHERWIN LANE, B.S., 1957
- JOHN MERTON LARSON, A.B., B.S., 1956, 1957; with Honors
- ROBERT JOEL LEE, B.S., 1957
- GERALD SANFORD LEEF, B.S., 1957
- LESLIE EUGENE LINDBERG
- HOWARD IRVING LOPATA, B.S., 1957
- DONALD WILLIAM LUBER
- LEE ALVIN MALMED, B.S., 1957
- ALBERT SCHULTAIS MAURER, B.S., 1957
- PATRICK MALACHY MCGUIGAN, B.S., 1957
- MARILYN TREACY MILLER, B.S., Purdue University, 1954; B.S., 1958
- MORTON MILLER, B.S., M.S., 1953, 1955; B.S., University of South Dakota, 1957
- JOHN MANIERRE MILLS, A.B., B.S., 1955, 1957
- SHERMAN MARTIN MINKOFF, B.S., 1957
- LAWRENCE MATTHEW MLECKO, B.S., 1957
- ROLLO JAY NESSET, B.S., 1955, 1957
- GEORGE MICHAEL NICKAS, A.B., DePauw University, 1955; B.S., 1957
- RICHARD GEORGE NORENBERG, A.B., North Central College, 1955; B.S., 1957
- ROBERT OTTUS PASNAU, B.S., 1957
- CHARLES HATCH PATTON, A.B., University of Michigan, 1955; B.S., 1957
- DON CARY PEARSON, B.S., 1957
- THOMAS LOUIS PEYLA, B.S., 1957
- RICHARD LEE PHILLIPS, B.S., 1957
- JAMES BERNARD PINSKI, A.B., B.S., 1955, 1957
- JOHN ROGER POWELL, B.S., 1957
- ROGER DALE QUINN, B.S., 1957
- LOUIS JOSEPH RAIJA, B.S., 1956
- WILLIAM DEWITT ROBINSON, B.S., Washington University, 1951; B.S., 1957
- SEYMOUR ROSEN, B.S., 1958

- DAVID ANTHONY ROTHSTEIN, B.S., 1957; with Honors
 WILBUR FRANCIS ROWLEY, B.S., 1957
 LARRY DAVID SAMUELS, A.B., Blackburn College, 1955; B.S., 1957
 RICHARD JOSEPH SASSETTI, B.S., 1957
 EDWARD WILLIAM SCHAUERTE, B.S., 1957
 BERNARD SCHENCKER, B.S., 1957; with Honors
 STEPHEN EDWARD SCHUBERT, B.S., 1957
 FRED JOSEPH SCHULTZ, A.B., Luther College, 1954; B.S., 1956
 SHELDON DEWEY SCHWARTZ, B.S., 1955, 1958
 CHARLES EDWARD SEIBERT, B.S., 1957; with Honors
 BERNARD ROBERT SERED, B.S., 1957
 ROBERT HAROLD SEWELL, A.B., B.S., 1956, 1957
 LESLIE BERNARD SHANOFF, B.S., 1957
 NORMAN SHAPIRO, A.B., B.S., M.S., 1954, 1957, 1955
 MILFORD PAUL SHUMAN, B.S., 1957
 GERALD ELLIS SILVERSTEIN, B.S., 1957
 RUSSELL YATES SNOW, A.B., Southern Illinois University, 1955; B.S., 1957
 ALEX EDWARD SOLIK, B.S., 1957
 HARRY HART STEPHENS, JR., A.B., Earlham College, 1955; B.S., 1957
 JAMES WINSOR STOUGH, B.S., Wheaton College, 1954
 MURTON DONALD STRIMLING, B.S., 1957
 JAMES THOMAS STRIPE, A.B., Monmouth College, 1955; B.S., 1958
 DONALD FREDERICK SUMMERS, B.S., 1957; with Honors
 THOMAS LEVIN SUSSEX, B.S., University of North Dakota, 1957
 HAROLD MARVIN SWARTZ, B.S., 1957
 MARY NEWSOME SZAMOS, A.B., University of Chicago, 1950
 ELROY ELMER TATGE
 RICHARD PAUL TAYLOR, B.S., 1957
 ROBERT JOHN THURNBLAD, B.S., 1957
 LEONARD FRANKLIN TODD, JR., B.S., 1957
 JAMES RODELL TOSETTI, A.B., Southern Illinois University, 1955; B.S., 1957
 EUGENE PIERITZ TRAGER, B.S., 1954, 1957
 MARVIN TURCK, B.S., 1957
 CONRAD JOSEPH URBAN, B.S., 1957
 JOSEPH PAUL VELEK, JR., B.S., Northern Illinois University, 1955; B.S., 1957
 LEE OSMAN VIDA, B.S., 1957
 RICHARD ANTHONY WAHL, B.S., St. Louis University, 1955; B.S., 1957
 EARL EDWIN WALKER, B.S., 1957
 DAVID EDWARD WALZEM, B.S., Northwestern University, 1951
 DON HOWARD WASSERMAN, B.S., 1957
 WALTER WILLIAM WHISLER, JR., A.B., Augustana College, 1955; B.S., 1957
 GUIDO PAUL WILHELM, A.B., Washington University, 1955; B.S., 1957
 EDWARD THEODORE ZUKOWSKI, B.S., 1957

COLLEGE OF NURSING

Degree of Bachelor of Science in Nursing

- MARGUERITE ANDERSON DIXON, A.B., Emmanuel Missionary College, 1952
 G. HANNELORE BEITTEL, City Hospital (Dortmund, Germany), 1955; with Honors
 ANN JOYCE HUTH
 CAROLYN ANN MISHECK
 JOAN RUTH NEWBERRY
 DELORES JEAN READ
 GLORIA BARBARA RIBNEK
 ELLEN JANE RIGGLE
 ROCHELLE KOEBERLEIN SOKOL, with High Honors
 ELIZABETH HELEN STEGER
 RENETTA ANNE WICHER
 LENORE HELEN ZAMIS
 BARRIE KAY ZOLL

COLLEGE OF PHARMACY

Degree of Bachelor of Science in Pharmacy

- DENNIS CARL AMBROSE
 KEITH KENDON ANDERSON
 FRANK FRED BARONE
 EDWARD ADOLF BERKE
 NORMAN ROSCOE BROWN
 HARVEY STAMLER BUCK
 LARRY LEE BUSHU, with Honors
 JOSEPH RICHARD CARUSO
 EDWIN JAMES CHOATE
 SANFORD CECIL DISHMAN
 CAROLYN ELIZABETH NIEMAN DRING
 ARTHUR MYRON DRUCKER
 RODEN ROBINSON DUFF
 JOSEPH THADDEUS DYJA, JR.
 BARRY HERBERT ENGQUIST
 HAROLD NELSON FARBET
 BRUCE DUANE FICK
 LAWRENCE JOSEPH FISCHER, JR.
 JAMES RICHARD FLEMING
 JEROLD SHAPIN FOGEL

EDWARD ANDREW FORCASH
 LIBERO ANTHONY GARDELLA, Jr., with
 Honors
 TEDDY ROBERT GLADSON
 RAYMOND HUGHES GLESSNER
 FRANCIS JOSEPH GOLAB
 LEE TIMOTHY GRADY, with High
 Honors
 NATHANIEL N. GRANT
 ELWIN FRANK GUNZEL
 PETER STEPHEN GUSICH, Jr.
 THOMAS FREDRICK HARWOOD
 JACK EARL HILL
 LORENZ MARTIN HOFMANN
 THERESE IRENE HULA
 REGINA JURATE JUSKA
 MILLER HYMAN KALOM
 WARREN VICTOR KARLSEN
 ARTHUR EDMUND KARWACKI
 RICHARD THOMAS KELLY
 HARVEY SOLOMON KOBRIN
 MARY ANN KORNAUS
 CAROL ANN KRAHL
 JOSEPH DAVE KRAMER
 JOSEPH ABBA KRITZMAN
 MATTHEW DAVID KRUGEL
 RICHARD GEORGE KRYWOKULSKI
 BURTON IRWIN LICHTER
 SYLVESTER CHESTER LULINSKI
 CAROLANN MARY MAHER
 MARSHALL MANN
 ARTHUR ROBERT MANSON
 GEORGE STANLEY MARCOTTE
 ROBERT MARTINI
 ALFRED FERENCZ MARTON
 MARIE ANN MATESE
 FRANK ANTHONY MAZZUCA
 ROBERT SALVATORE MAZZUCA

PATRICIA ANN MCLEOD
 PAUL JOHN MEEHAN
 SHELDON MINSKY
 PHYLLIS LEE MOSS, with Honors
 WALTER ALBERT MOTYKA
 RICHARD KEITH PARKER
 GERALD NORMAN PERLMAN
 JOAN PULS
 HAROLD GENE RAIMAN
 HAROLD EUGENE ROGERS
 JOEL SANDOR ROSEN
 THEODORE ROSENTHAL
 KENNETH ANTON RUS
 CLYDE CAMPBELL RUSH
 RALPH WARREN SCHACK
 DONALD PAUL SCHULTZ
 JAMES EVERETT SCHULTZ
 DANIEL NORBERT SEROWIECKI
 BENJAMIN SHWACHMAN
 JEANETTE CATHERINE SIKORA
 ALBERT STANLEY SIROTA
 ARTHUR VERNON SMITH
 LAWRENCE WILSON SOBLE, B.S., M.S.,
 University of Chicago, 1949, 1953
 DONALD EDWARD THURSTON
 HOWARD SAMUEL TURK
 ROSALIE MARIE VALVODA
 GEORGE WALLACE, JR.
 ELIZABETH LUISE WASSMER
 HENRY WATSON
 ELEANOR ALLEN WEINER
 SHELDON SAUL WEINER
 THOMAS LAURENCE WELSH
 EDWARD ALLEN WHITCOMB
 RONALD PETER WILBOIS, with Honors
 HAROLD ZFANEY
 DON CHARLES ZUGSCHWERDT
 CHARLES ANTHONY ZURAITIS

SECRETARY'S REPORTS

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

APPOINTMENTS MADE BY THE PRESIDENT

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

ALLEN, CHARLES M., Acting Dean of the College of Education, six months from March 1, 1959, at an additional salary of \$83.33 a month; this is in addition to his present appointment (6-8-59).

ALMY, GERALD M., Professor of Physics and Associate Head of the Department (C), June 16-30, 1959, and July 16-August 31, 1959, \$1866.67 a month; this is in addition to his present appointment (6-8-59).

ALTSTETTER, CARL J., Assistant Professor of Metallurgical Engineering (Mining and Metallurgical Engineering) (C), two months from June 16, 1959, \$1377.78; this is in addition to his present appointment (5-26-59).

ANDERSON, KERMIT B., Instructor in the Institute of Aviation, June 16-August 31, 1959, \$8000 a year, supersedes (5-8-59).

ANDERSON, RICHARD C., Research Associate in Ceramic Engineering (S), June 16-August 31, 1959, \$550 a month (5-25-59).

- AUSTIN, WALTER J., Associate Professor of Civil Engineering (C), $\frac{1}{2}$ time, two months from June 16, 1959, \$900; this is in addition to his Summer Session appointment (5-25-59).
- AXEL, PETER, Associate Professor of Physics (C), two months from July 16, 1959, \$933.33 a month; this is in addition to his present appointment (5-21-59).
- BAERWALD, JOHN E., Associate Professor of Traffic Engineering (Civil Engineering) (College of Engineering and Physical Plant), two months from June 16, 1959, \$1800; this is in addition to his present appointment (6-8-59).
- BAFUS, DONALD A., Research Assistant in Chemistry, two months from June 16, 1959, \$800 (5-25-59).
- BAILEY, ALBERT D., Professor of Electrical Engineering (C), two months from June 16, 1959, \$1000 a month; this is in addition to his present appointment (5-25-59).
- BAKER, ROBERT L., Visiting Lecturer in Education, Summer Session of 1959, June 15-August 8, 1959, \$1800 for the period (5-12-59).
- BALLOWE, JAMES C., Editorial Assistant in the Engineering Experiment Station, June 16-August 31, 1959, \$433.33 a month (5-26-59).
- BANKS, EDWIN M., Assistant Professor of Animal Science (S), $\frac{4}{5}$ time, two months from July 1, 1959, \$1000; this is in addition to his present appointment (5-21-59).
- BAUM, BARBARA, Assistant in Education (University High School), two months from June 16, 1959, \$944.44 (5-6-59).
- BEALS, R. J., Assistant Professor of Ceramic Engineering (S), two months from June 16, 1959, \$744.44 a month; this is in addition to his present appointment (5-8-59).
- BEBERMAN, MAX, Professor of Education (University High School), two months from June 16, 1959, \$2333.33; this is in addition to his present appointment (5-5-59).
- BECK, PAUL A., Professor of Physical Metallurgy (Mining and Metallurgical Engineering) (C), two months from June 16, 1959, \$2666.66; this is in addition to his present appointment (6-8-59).
- BECK, MRS. SALLY, Counselor in the Student Counseling Service (Provost's Office), two months from July 1, 1959, \$800 (5-5-59).
- BECKER, WESLEY C., Assistant Professor of Psychology, two months from June 16, 1959, \$1488.88; this is in addition to his present appointment (5-25-59).
- BENBROOK, ELIZABETH A., Reference Assistant in the Library, two months from July 1, 1959, \$375 a month (5-4-59).
- BENNETT, PHILIP E., Instructor in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1959, \$5000 (5-5-59).
- BHATIA, BHARAT B., Research Assistant in Chemistry, June 16-August 31, 1959, \$1015, supersedes (5-25-59).
- BIJVOET, PAUL, Research Associate in Pharmacology (Medicine), four months from May 1, 1959, \$7000 a year (5-25-59).
- BLAKE, ELIAS, JR., Visiting Lecturer in Education (Chicago Undergraduate Division), Summer Session of 1959, June 19-August 14, 1959, \$1000 for the period (5-8-59).
- BLAUFARB, MRS. MYRNA, Counselor in the Student Counseling Service (Provost's Office), two months from July 1, 1959, \$800 (5-5-59).
- BLOOM, EARL P., Instructor in English, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$523 for the period (6-3-59).
- BOBOTEK, HENRY G., Research Associate in the Control Systems Laboratory (S), three months from June 1, 1959, \$517 a month, supersedes (5-25-59).
- BOHL, ROBERT W., Associate Professor of Metallurgical Engineering (Ceramic Engineering) (S), two months from June 16, 1959, \$888.88 a month (5-8-59).
- BORNARTH, ROBERT L., Assistant in the Institute of Aviation, two months from June 16, 1959, \$450 a month (5-21-59).
- BOURGIN, DAVID G., Professor of Mathematics, June 16-August 31, 1959, \$1444.44 a month; this is in addition to his present appointment (5-15-59).
- BOWMAN, CLETUS E., Professor of Theoretical and Applied Mechanics (C), $\frac{1}{3}$ time, two months from June 16, 1959, \$322.22 a month; this is in addition to his Summer Session appointment (6-1-59).
- BRADFORD, VIRGIL E., Research Assistant in Ceramic Engineering (S), three months from June 1, 1959, \$450 a month, supersedes (5-8-59).

- BRISCOE, JOHN W., Professor of Civil Engineering and Assistant Head of the Department (C), June 16-July 31, 1959, and August 16-31, 1959, \$1000 a month; this is in addition to his present appointment (5-25-59).
- BROWN, FREDERICK C., Associate Professor of Physics (C), two months from June 16, 1959, \$855.55 a month; this is in addition to his present appointment (5-25-59).
- BROWN, ROGER K., Instructor in Education, July 13-August 8, 1959, \$744.44; this is in addition to his present appointment (5-5-59).
- CAPEK, RAYMOND G., Research Assistant in Ceramic Engineering (S), June 16-August 31, 1959, \$433.33 a month (5-4-59).
- CHERTACK, MELVIN M., Clinical Assistant Professor of Medicine, in the Health Service (Chicago Professional Colleges) and in the College of Medicine, three months from June 1, 1959, supersedes salaried appointment (5-25-59).
- CHOW, VEN TE, Professor of Hydraulic Engineering (Civil Engineering) (S), two months from June 16, 1959, \$1867; this is in addition to his present appointment (5-25-59).
- CLARK, MARLYN E., Associate Professor of Theoretical and Applied Mechanics (C), June 16-30, 1959, and July 16-August 31, 1959, \$788.89 a month; this is in addition to his present appointment (6-1-59).
- COHN, BENJAMIN, Research Associate in Education, June 29-August 21, 1959, \$1200 (5-22-59).
- COLEMAN, PAUL D., Professor of Electrical Engineering (C), two months from June 16, 1959, \$1166.67 a month; this is in addition to his present appointment (5-25-59).
- CONNELL, BARBARA, Assistant to the Dean of Women, one month from July 1, 1959, \$400 (5-5-59).
- COSTIN, FRANK, Clinical Counselor in the Student Counseling Service, $\frac{1}{2}$ time, two months from June 16, 1959, \$822; this is in addition to his $\frac{1}{2}$ -time Summer Session appointment (5-6-59).
- CRAIG, JEWELUS, Research Associate in Plant Pathology (S), two months from July 1, 1959, \$500 a month, supersedes (5-26-59).
- CROTHERS, MILTON H., Associate Professor of Electrical Engineering, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$889 for the period, supersedes previous Summer Session appointment (5-27-59).
- CUTLER, ALICE M., Visiting Lecturer in Education, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$700 for the period (5-26-59).
- DANNER, ELLIS, Professor of Highway Engineering (Civil Engineering) (C and S), $\frac{2}{3}$ time, June 16-August 31, 1959, \$800 a month; full time from September 1-15, 1959, \$666.67 for the period; this is in addition to his present appointment (5-25-59).
- DASGUPTA, S., Instructor in Electrical Engineering, Summer Session of 1959, June 15-August 8, 1959, full time, \$1067 for the period, supersedes previous Summer Session appointment (5-27-59).
- DAVIES, CHARLES J., Assistant in Speech (University Speech Clinic), Summer Session of 1959, June 15-August 8, 1959, \$800 for the period (5-8-59).
- DAVISSON, MELVIN T., Instructor in Civil Engineering, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$523 for the period (5-27-59).
- DAY, MAHLON M., Professor of Mathematics and Head of the Department, $\frac{1}{2}$ time, two months from June 16, 1959, \$683.50 a month; this is in addition to his $\frac{1}{2}$ time Summer Session appointment (5-15-59).
- DICK, BERTRAM G., JR., Research Associate in Physics (C), three months from June 1, 1959, \$625 a month, supersedes (6-8-59).
- DIPERT, ARNOLD W., Assistant in Electrical Engineering, Summer Session of 1959, June 15-August 8, 1959, \$845 for the period (5-12-59).
- DOBROVOLNY, JERRY S., Associate Professor of General Engineering (Civil Engineering) (S), full time, one month from June 16, 1959, \$833.33; this is in addition to his present appointment (5-25-59).
- DRICKAMER, HARRY G., Professor of Chemical Engineering Research (S), two months from June 16, 1959, \$3011; this is in addition to his present appointment (6-8-59).
- DUBERG, JOHN E., Professor of Civil Engineering (C), two months from June 16, 1959, \$2666.66; this is in addition to his present appointment (5-25-59).
- DUDLEY, WILLIAM A., Assistant in Animal Science (C and S), two months from July 1, 1959, \$366.66 a month, supersedes (6-8-59).

- DULANY, DONELSON E., JR., Assistant Professor of Psychology, two months from June 16, 1959, \$1488.88; this is in addition to his present appointment (5-25-59).
- DUNLAP, HOWARD L., Catalog Assistant in the Library, June 15-August 31, 1959, \$400 a month, supersedes (5-26-59).
- ECKLAND, BRUCE, Research Assistant in Sociology, three months from June 16, 1959, \$1200 (5-25-59).
- ELLISON, FRED P., Assistant Professor of Spanish, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$756 for the period, supersedes previous Summer Session appointment (6-8-59).
- EMERY, WILLIS L., Professor of Electrical Engineering (C), two months from June 16, 1959, \$1077.77 a month; this is in addition to his present appointment (5-25-59).
- EWING, BEN B., Associate Professor of Sanitary Engineering (Civil Engineering) (S), $\frac{1}{2}$ time, two months from June 16, 1959, \$856; this is in addition to his Summer Session appointment (5-25-59).
- FLORES, JOSEPH S., Associate Professor of Spanish, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$922 for the period, supersedes previous Summer Session appointment (6-8-59).
- FOX, BENUM W., Clinical Associate in Medicine (Medicine), five months from April 1, 1959, without salary, supersedes salaried appointment (5-4-59).
- FRAENKEL, GOTTFRIED S., Professor of Entomology, two months from June 16, 1959, \$1066.66 a month; this is in addition to his present appointment (5-22-59).
- FRAJOLA, WALTER J., Visiting Lecturer in Chemistry, Summer Session of 1959, June 15-July 11, 1959, \$1223 for the period (6-8-59).
- FRIEDBERG, ARTHUR L., Professor of Ceramic Engineering (C), two months from June 16, 1959, \$1066.66 a month; this is in addition to his present appointment (5-5-59).
- GALINSKY, ALVIN M., Instructor in Chemistry (Pharmacy), Summer Session of 1959, June 22-August 1, 1959, \$800 for the period (5-26-59).
- GANS, PAUL J., Research Associate in Chemistry, one year from September 1, 1959, \$5600 (5-25-59).
- GEAR, CHARLES W., Research Assistant in the Digital Computer Laboratory, Summer Session of 1959, June 15-August 8, 1959, \$1000 for the period (5-6-59).
- GILLESPIE, WALTER L., Assistant in Education, July 13-August 8, 1959, \$400 (5-5-59).
- GODWIN, JOSEPH R., Research Assistant in Sociology, two months from July 16, 1959, \$800 (5-25-59).
- GOLDMAN, JACQUELIN, Counselor in the Student Counseling Service, two months from July 1, 1959, \$800 (5-5-59).
- GOLDWASSER, EDWIN L., Associate Professor of Physics (C), two months from June 16, 1959, \$944.44 a month; this is in addition to his present appointment (5-25-59).
- GOODWIN, HAROLD A., Research Associate in Chemistry, September 16, 1959-August 31, 1960, \$5400 a year (6-2-59).
- GORHAM, NYLA M., Instructor in Foods and Nutrition (Home Economics) (E), July 1, 1959-August 31, 1960, \$6500 a year (6-8-59).
- GOTHELF, BERNARD, Research Assistant in Psychiatry (Medicine), April 12-August 31, 1959, \$458.33 a month, supersedes (5-26-59).
- GOTTHEIL, FRED M., Instructor in Economics, academic year beginning September 1, 1959, \$6500 (6-1-59).
- GOULD, ORRIN E., Assistant Professor of Education, June 15-August 8, 1959, \$1444.44; this is in addition to his present appointment (5-5-59).
- GRANT, E. RHODA, Research Associate in Clinical Science (Medicine), $\frac{3}{4}$ time, four months from May 1, 1959, without salary, supersedes salaried appointment (6-1-59).
- GRAY, ROBERT E., Assistant Professor of Music, Summer Session of 1959, June 15-August 8, 1959, full time, \$1334 for the period, supersedes previous Summer Session appointment (6-8-59).
- GRICE G. ROBERT, Professor of Psychology, two months from June 16, 1959, \$2111.10; this is in addition to his present appointment (5-25-59).
- GYERMEK, LASZLO, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1959, \$766.67 a month; this is in addition to his present appointment (6-8-59).

- HAKE, HAROLD W., Associate Professor of Psychology, two months from June 16, 1959, \$1844.44; this is in addition to his present appointment (5-25-59).
- HALL, CHARLES A., Research Assistant in Ceramic Engineering (S), June 16-August 31, 1959, \$433.33 a month (5-8-59).
- HALL, JAPHETH, JR., Research Associate in Education (University High School), $\frac{1}{2}$ time, two months from June 16, 1959, \$555.56 (5-5-59).
- HALL, WILLIAM J., Associate Professor of Civil Engineering (C), $\frac{1}{2}$ time, two months from June 16, 1959, \$900; this is in addition to his Summer Session appointment (5-25-59).
- HALTIWANGER, JOHN D., Associate Professor of Civil Engineering (C), two months from June 16, 1959, \$1800; this is in addition to his present appointment (5-25-59).
- HATCH, GAYLORD F., Assistant in the History of Civilization (Division of General Studies), April 1-June 15, 1959, \$400 a month, supersedes (5-4-59).
- HAWKINS, RICHARD T., Research Associate in Chemistry, two months from June 16, 1959, \$900 (6-1-59).
- HENRY, JOHN A., Counselor in the Student Counseling Service, $\frac{1}{2}$ time, two months from June 16, 1959, \$978; this is in addition to his present appointment (5-6-59).
- HERBER, ROLFE H., Research Assistant Professor of Chemistry, two months from June 16, 1959, \$1378; this is in addition to his present appointment (5-25-59).
- HERR, FERENC, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1959, \$800 a month; this is in addition to his present appointment (6-8-59).
- HERRICK, ROBERT L., Assistant in Sociology, Summer Session of 1959, June 15-August 8, 1959, \$800 for the period (5-27-59).
- HERRIN, MORELAND, Associate Professor of Civil Engineering (C), two months from June 16, 1959, \$1777.78; this is in addition to his present appointment (6-8-59).
- HERTZBERG, ALVIN, Visiting Lecturer in Education, June 15-July 10, 1959, \$700 (5-22-59).
- HILL, JEAN, Assistant to the Dean of Women, one month from August 1, 1959, \$400 (5-5-59).
- HILSDORF, HUBERT, Assistant in Theoretical and Applied Mechanics (C), one year from September 1, 1959, \$6600 (5-5-59).
- HOFFMANN, MRS. MARY A. G., Assistant Head Resident of Lincoln Avenue Residence (South), $\frac{1}{2}$ time, two months from May 1, 1959, \$400 (5-25-59).
- HORSFALL, WILLIAM R., Professor of Entomology, two months from June 16, 1959, \$988.88 a month; this is in addition to his present appointment (5-22-59).
- HOUGH, INGE, Instructor in Foreign Languages (Chicago Undergraduate Division), academic year beginning September 1, 1959, \$4600 (5-8-59).
- HUANG, EUGENE Y., Associate Professor of Civil Engineering (S), two months from June 16, 1959, \$1555.56; this is in addition to his present appointment (5-25-59).
- HUBBARD, JOHN, Research Associate in Physics (C), two months from September 1, 1959, \$750 a month (5-25-59).
- HULSIZER, ROBERT I., Professor of Physics (C), June 16-July 31, 1959, and September 1-15, 1959, \$1211.11 a month; this is in addition to his present appointment (5-25-59).
- HUNT, JOSEPH M., Professor of Psychology, two months from June 16, 1959, \$2888.88; this is in addition to his present appointment (5-25-59).
- INGLE, LESTER, Professor of Zoology, two months from June 16, 1959, \$1934; this is in addition to his present appointment (5-12-59).
- IRELAND, HERBERT O., Associate Professor of Civil Engineering (C), two months from June 16, 1959, \$1777.78; this is in addition to his present appointment (5-25-59).
- JACKSON, JOSEPH F., Professor of French, two months from June 16, 1959, \$800; this is in addition to his present appointment (5-26-59).
- JENSEN, HAROLD L., Clinical Instructor in Medicine (Medicine), May 6-August 31, 1959, without salary (5-21-59).
- JOHNSON, ELWIN L., Research Associate in Ceramic Engineering (S), June 16-August 31, 1959, \$600 a month (5-25-59).

- JOHNSON, HERMAN J., Assistant Professor of Physics (Chicago Undergraduate Division), Summer Session of 1959, June 22-August 14, 1959, \$1556 for the period (5-4-59).
- JOHNSON, K. E., Research Associate in Chemistry, eleven months from October 1, 1959, \$5500 a year (6-2-59).
- JOHNSON, WILLIAM H., Assistant Professor of Animal Science (S), two months from July 1, 1959, \$1400; this is in addition to his present appointment (6-8-59).
- KAISER, DALE E., Assistant in Education (University High School), two months from June 16, 1959, \$944.44 (5-6-59).
- KARPLUS, MARTIN, Research Assistant Professor of Chemistry, two months from July 16, 1959, \$1488.90; this is in addition to his present appointment (5-22-59).
- KELLY, JAMES C., Associate Professor of Speech (Summer Residential Center), Summer Session of 1959, June 15-August 8, 1959, \$1589 for the period (5-26-59).
- KESLER, CLYDE E., Professor of Theoretical and Applied Mechanics (C), $\frac{3}{4}$ time, two months from June 16, 1959, \$750 a month; this is in addition to his Summer Session appointment (6-1-59).
- KESTER, DOROTHY, Visiting Lecturer in Speech (University Theatre and Summer Youth Theatre), Summer Session of 1959, June 15-August 8, 1959, \$1500 for the period (5-8-59).
- KHACHATURIAN, NARBEY, Associate Professor of Civil Engineering (C), two months from June 16, 1959, \$1666.66; this is in addition to his present appointment (5-25-59).
- KOCH, C. W., Visiting Lecturer in Library Science, Summer Session of 1959, June 15-August 8, 1959, \$850 for the period (5-4-59).
- KOEHLER, JAMES S., Professor of Physics (C), two months from June 16, 1959, \$1244.44 a month; this is in addition to his present appointment (5-21-59).
- KONZO, SEICHI, Professor of Mechanical Engineering, $\frac{1}{2}$ time, two months from June 16, 1959, \$1277.78; this is in addition to his present appointment (6-8-59).
- LAITINEN, HERBERT A., Research Professor of Chemistry, $\frac{1}{2}$ time, one month from July 1, 1959, \$723; this is in addition to his present appointment (6-1-59).
- LANDIN, JOSEPH, Associate Professor of Mathematics, $\frac{1}{2}$ time, June 15-August 8, 1959, \$472.50 a month; this is in addition to his $\frac{1}{2}$ -time Summer Session appointment (5-16-59).
- LAVATELLI, LEO S., Associate Professor of Physics (C), two months from June 16, 1959, \$950 a month; this is in addition to his present appointment (5-25-59).
- LEDET, DAVID A., Assistant Professor of Music, Summer Session of 1959, June 15-August 8, 1959, full time, \$1245 for the period, supersedes previous Summer Session appointment (6-8-59).
- LEFORT, HENRY G., Research Associate in Ceramic Engineering (S), full time, three months from June 1, 1959, \$583.33 a month, supersedes (6-1-59).
- LEICHTNER, GENE H., Assistant Professor of Electrical Engineering, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$778 for the period, supersedes previous Summer Session appointment (5-27-59).
- LEWIS, OSCAR, Professor of Anthropology, two months from June 16, 1959, \$2133.34; this is in addition to his present appointment (5-22-59).
- LIEBERMAN, DAVID S., Associate Professor of Metallurgical Engineering (Mining and Metallurgical Engineering) (C), two months from June 16, 1959, \$1777.78; this is in addition to his present appointment (6-8-59).
- LIPKIN, HARRY J., Visiting Associate Professor of Physics (C), $\frac{1}{2}$ time, two months from June 16, 1959, \$500 a month (5-25-59).
- LOSCH, MRS. MARJORIE B., Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), June 6-August 31, 1959, \$366.67 a month, supersedes (6-8-59).
- LURIA, SALVADOR E., Professor of Bacteriology, two months from June 16, 1959, \$3022.22; this is in addition to his present appointment (5-25-59).
- LUX, DONALD G., Associate Professor of Industrial Education and Assistant to the Dean of the College of Education, June 8-August 8, 1959, \$2025 for the period (5-26-59).
- MACHINE, XENIA, Assistant Professor of Pharmacology (Medicine), two months from July 1, 1959, \$851 a month; this is in addition to her present appointment (6-8-59).

- MALMSTADT, HOWARD V., Research Associate Professor of Chemistry, June 16-30, 1959, and August 1-31, 1959, \$1383.35; this is in addition to his present appointment (5-22-59).
- MARTIN, DILLON E., Associate Professor of Physics (C), two months from June 16, 1959, \$988.89 a month; this is in addition to his present appointment (5-25-59).
- MARCEY, PETER J., Research Assistant in Physics, June 16-30, 1959, \$400 a month (6-1-59).
- MAROTTA, SABATH F., Instructor in Physiology (Medicine), without salary, and Research Associate in the Aeromedical and Physical Environment Laboratory, \$7000 a year, four months from May 1, 1959, supersedes (5-21-59).
- MARTIN, ROSS J., Professor of Mechanical Engineering (C), indefinite tenure, and Director of the Engineering Experiment Station for one year, from September 1, 1958, \$12,682; his services under this appointment are required only for the period September 1, 1958, through May 31, 1959; salary for this period is \$12,682, supersedes (6-8-59).
- MAURER, ROBERT J., Professor of Physics (C), two months from July 1, 1959, \$1466.67 a month; this is in addition to his present appointment (5-21-59).
- MCDONALD, VINCENT J., Associate Professor of Civil Engineering (C), two months from June 16, 1959, \$1600; this is in addition to his present appointment (5-25-59).
- McFERRIN, ROBERT D., Assistant in the Institute of Aviation, June 16-August 31, 1959, \$533.33 a month (5-25-59).
- McNAIR, LOUIS M., Assistant in the Institute of Aviation, June 16-August 31, 1959, \$475 a month (5-25-59).
- McVAY, MILLARD S., Research Associate Professor in the Control Systems Laboratory (S), two months from June 16, 1959, \$978 a month; this is in addition to his present appointment (5-26-59).
- McVITTIE, GEORGE C., Professor of Astronomy, one month from August 16, 1959, \$1611.11; this is in addition to his present appointment (6-1-59).
- MENDEL, CLIFFORD W., JR., Research Assistant in the Control Systems Laboratory (S), June 16-August 31, 1959, \$400 a month (5-26-59).
- MOLBO, JORIS M., Instructor in Nursing, three months from June 1, 1959, \$5370 a year, supersedes (5-21-59).
- MOORE, JUDITH J., Research Assistant in Civil Engineering (S), two months from June 16, 1959, \$800 (6-8-59).
- MOSBORG, ROBERT J., Associate Professor of Civil Engineering (C), two months from June 16, 1959, \$1666.66; this is in addition to his present appointment (5-25-59).
- MUNSE, WILLIAM H., Professor of Civil Engineering (C), $\frac{1}{2}$ time, two months from June 16, 1959, \$1222.22; this is in addition to his Summer Session appointment (5-25-59).
- MYERS, BASIL R., Assistant Professor of Electrical Engineering, Summer Session of 1959, June 15-August 8, 1959, $\frac{3}{4}$ time, \$1156 for the period, supersedes previous Summer Session appointment (5-27-59).
- NEWMARK, NATHAN M., Professor of Civil Engineering and Head of the Department (C), $\frac{3}{4}$ time, two months from June 16, 1959, \$1500 a month; this is in addition to his Summer Session appointment (5-21-59).
- NORDSIECK, ARNOLD T., Research Professor in the Control Systems Laboratory (S), $\frac{1}{2}$ time, two months from June 16, 1959, \$920 a month; this is in addition to his present appointment (5-25-59).
- NOTANI, G. W., Research Associate in Chemistry, three months from May 1, 1959, \$1342.50 (5-22-59).
- OHNO, MASAJI, Research Assistant in Chemistry, one year from June 1, 1959, \$4800 (5-22-59).
- OLSEN, BARBARA A., Assistant in Library Science, Summer Session of 1959, June 15-August 8, 1959, \$800 for the period, supersedes her previous appointment (5-6-59).
- OLSON, ROY E., Instructor in Civil Engineering, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$556 for the period, supersedes previous Summer Session appointment (5-27-59).
- PEEK, LEVIN J., JR., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1959, \$400 a month (5-4-59).

- PELEKODAS, LOIS, Research Assistant in the Institute of Government and Public Affairs, two months from June 16, 1959, \$400 a month (5-25-59).
- PERRINO, D. J., Visiting Lecturer in Music, Summer Session of 1959, June 15-July 18, 1959, \$653 for the period (6-8-59).
- PESEK, MARTIN G., Research Assistant in Orthodontics (Dentistry), four months from May 1, 1959, without salary (6-8-59).
- PETERS, MAX S., Professor of Chemical Engineering (S), two months from June 16, 1959, \$2333.34; this is in addition to his present appointment (6-8-59).
- PETERSON, DONALD R., Associate Professor of Psychology, two months from June 16, 1959, \$1688.88; this is in addition to his present appointment (5-25-59).
- PHILCOX, SADIE, Assistant in Occupational Therapy (Medicine), five months from September 1, 1959, without salary (6-8-59).
- PICKER, MARTIN, Instructor in Music, academic year beginning September 1, 1959, \$5550 (5-21-59).
- PUGH, ROBERT C., Counselor in the Student Counseling Service (Provost's Office), two months from July 1, 1959, \$1444.44; this is in addition to his present appointment (5-5-59).
- READ, THOMAS A., Professor of Metallurgical Engineering and Head of the Department of Mining and Metallurgical Engineering (C), two months from June 16, 1959, \$3333.34; this is in addition to his present appointment (6-8-59).
- REDDY, THOMAS B., Research Associate in Chemistry, eleven months from October 1, 1959, \$5500 a year (6-2-59).
- REYNOLDS, GEORGE, Visiting Lecturer in Music, Summer Session of 1959, June 15-July 18, 1959, \$1000 for the period (6-8-59).
- RHODES, LAURA E., Assistant Editor in the Engineering Experiment Station, one year from September 1, 1959, \$4500 (6-8-59).
- RICKETTS, BERNARD G., Professor of Metallurgical Engineering (Department of Mining and Metallurgical Engineering) (C), two months from June 16, 1959, \$1911.12; this is in addition to his present appointment (5-26-59).
- ROBERTSON, JAMES M., Professor of Theoretical and Applied Mechanics (C), June 16-30, 1959, and July 16-August 31, 1959, \$1166.67 a month; this is in addition to his present appointment (6-1-59).
- ROBINSON, PATRICIA A., Instructor in Home Economics (Child Development), Summer Session of 1959, June 15-August 8, 1959, \$1067 for the period (5-27-59).
- ROOSA, WILLIAM B., Visiting Lecturer in Anthropology, Summer Session of 1959, June 15-August 8, 1959, \$1200 for the period (6-8-59).
- RUSSELL, MORELL B., Professor of Agronomy on indefinite tenure, and Head of the Department for one year from September 1, 1958 (C, S, and E), \$13,377; his services under this appointment are required only for the period beginning September 1, 1958, through May 31, 1959; salary for this period is \$13,377, supersedes (6-8-59).
- RYAN, WILLIAM D., Assistant Editor with rank of Assistant, College of Veterinary Medicine, $\frac{1}{2}$ time, June 15-August 31, 1959, \$200 a month (6-8-59).
- SAKURAGI, TAKETAMI, Assistant Professor of Food Technology (S), four months from May 1, 1959, \$570.83 a month, supersedes (5-6-59).
- SCHLOSSER, ROBERT E., Assistant Professor of Accountancy, Summer Session of 1959, June 15-August 8, 1959, \$1600 for the period (5-27-59).
- SCHUBERT, JEWELL E., Assistant Professor of Mathematics, Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$667 for the period, supersedes previous Summer Session appointment (6-8-59).
- SCHWARZLOSE, PAUL F., Associate Professor of Electrical Engineering (Ceramic Engineering) (S), two months from June 16, 1959, \$955.55 a month; this is in addition to his present appointment (5-5-59).
- SCOTT, WALTER A., Research Assistant in Civil Engineering (S), June 16-August 31, 1959, \$425 a month (6-8-59).
- SCRUGGS, WILLIAM, Research Assistant in Psychiatry (Medicine), May 17-August 31, 1959, \$400 a month (5-26-59).
- SEAMAN, RICHARD, Research Assistant in the Student Counseling Service (Provost's Office), two months from June 16, 1959, \$822 (5-21-59).
- SHOEMAKER, DONALD J., Assistant Professor of Psychology, two months from June 16, 1959, \$1422.22; this is in addition to his present appointment (5-25-59).
- SHUPP, FRANKLIN R., Instructor in Economics, academic year beginning September 1, 1959, \$7000 (5-25-59).

- SIDEBOTTOM, OMAR M., Professor of Theoretical and Applied Mechanics (C), 83/100 time, two months from June 16, 1959, \$774.66 a month; this is in addition to his Summer Session appointment (6-1-59).
- SISS, CHESTER P., Professor of Civil Engineering (C), $\frac{1}{2}$ time, June 16-30, 1959, and July 1-August 15, 1959, \$1222; and in the Summer Session of 1959, June 15-August 8, 1959, $\frac{1}{2}$ time, \$1223 for the period (5-28-59).
- SINCLAIR, GEORGE M., Professor of Theoretical and Applied Mechanics (C), June 16-July 15, 1959, and August 1-31, 1959, \$1055.56 a month; this is in addition to his present appointment (6-1-59).
- SINNAMON, GEORGE K., Associate Professor of Civil Engineering (C), two months from June 16, 1959, \$1666.66; this is in addition to his present appointment (5-25-59).
- SLICHTER, CHARLES P., Professor of Physics (C), two months from June 16, 1959, \$1300 a month; this is in addition to his present appointment (5-25-59).
- SMITH, CEDRIC M., Associate Professor of Pharmacology (Medicine), two months from July 1, 1959, \$1000 a month; this is in addition to his present appointment (6-8-59).
- SMITH, CLIFFORD W., Clinical Instructor in Medicine (Medicine), July 1, 1959-August 31, 1960, without salary (6-8-59).
- SMITH, JAMES O., Professor of Theoretical and Applied Mechanics (C), $\frac{3}{4}$ time, June 16-30, 1959, \$418.52 a month; this is in addition to his Summer Session appointment (6-1-59).
- SNYDER, HAROLD R., Research Professor of Chemistry, two months from June 16, 1959, \$2734; this is in addition to his present appointment (6-9-59).
- SOUTHARD, CHARLES W., Research Associate in Education, June 8-August 21, 1959, \$1800 (5-22-59).
- SPIEGELMAN, SOL, Professor of Bacteriology, two months from June 16, 1959, \$2800; this is in addition to his present appointment (6-1-59).
- STALLMEYER, JAMES E., Associate Professor of Civil Engineering (C), $\frac{1}{2}$ time, two months from June 16, 1959, \$855.56; this is in addition to his Summer Session appointment (5-25-59).
- STANLEY, ANN M., Visiting Lecturer in Music, Summer Session of 1959, June 15-August 8, 1959, \$267 for the period (5-27-59).
- STEINER, IVAN D., Associate Professor of Psychology, two months from June 16, 1959, \$1777.76; this is in addition to his present appointment (5-25-59).
- STEPHENS, RALPH I., Instructor in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1959, \$5000 (5-5-59).
- STERNBURG, JAMES G., Assistant Professor of Entomology, two months from June 16, 1959, \$1577.76; this is in addition to his present appointment (5-25-59).
- STINER, BERNARD, Visiting Lecturer in Music, Summer Session of 1959, June 15-July 18, 1959, \$500 for the period; for the convenience of the University he will also be furnished board and room during the period (6-8-59).
- STIPPES, MARVIN C., Associate Professor of Theoretical and Applied Mechanics (C), two months from June 16, 1959, \$822.22 a month; this is in addition to his present appointment (6-1-59).
- STRATTON, JOHN, Research Assistant in Sociology and Anthropology, June 16-August 31, 1959, \$1000 (5-25-59).
- SWENSON, GEORGE W., JR., Professor of Astronomy, $\frac{1}{2}$ time, two months from June 16, 1959, \$548.89 a month; this is in addition to his present appointment (6-1-59).
- TAUBMAN, JOANNE H., Research Assistant in Preventive Medicine (Medicine), one year from July 1, 1959, \$4500 (5-22-59).
- TAYLOR, CHARLES E., Professor of Theoretical and Applied Mechanics (C), 83/100 time, two months from June 16, 1959, \$866.89 a month; this is in addition to his Summer Session appointment (6-1-59).
- THOMSON, ROBB M., Associate Professor of Physical Metallurgy (Mining and Metallurgical Engineering) (C), two months from June 16, 1959, \$1644.44; this is in addition to his present appointment (6-8-59).
- THORNBURN, THOMAS H., Professor of Civil Engineering (S), two months from June 16, 1959, \$1044.44 a month; this is in addition to his present appointment (5-25-59).
- TIHEN, J. A., Assistant Professor of Zoology, Summer Session of 1959, June 15-August 8, 1959, \$1289 for the period (5-8-59).

- TILBURY, GLEN, Visiting Lecturer in Chemistry, two months from June 16, 1959, \$1800 (5-25-59).
- TINKHAM, ROBERT A., Associate Professor of Education, Summer Session of 1959, June 15-August 8, 1959, \$1645 for the period, supersedes previous Summer Session appointment (5-26-59).
- TITUS, THOMAS R., Assistant in the Institute of Aviation, June 16-August 31, 1959, \$450 a month (5-25-59).
- TOUSTER, OSCAR, Visiting Lecturer in Chemistry, Summer Session of 1959, July 13-August 8, 1959, \$1223 for the period (6-8-59).
- TRIANDIS, HARRY C., Assistant Professor in the Institute of Labor and Industrial Relations, two months from June 16, 1959, \$733.33 a month; this is in addition to his present appointment (5-4-59).
- TRIGGER, KENNETH J., Professor of Mechanical Engineering (C), $\frac{7}{8}$ time, two months from June 16, 1959, \$2332; this is in addition to his present appointment (6-1-59).
- TURNER, BILLY G., Research Assistant in Civil Engineering (S), two months from June 16, 1959, \$850 (6-8-59).
- VAN VALKENBURG, MAC E., Professor of Electrical Engineering (C), two months from June 16, 1959, \$1333.33 a month; this is in addition to his present appointment (5-25-59).
- VAUGHAN, HERBERT E., Associate Professor of Mathematics (University High School), June 16-July 31, 1959, and September 1-15, 1959, \$2111.12; this is in addition to his present appointment (5-5-59).
- VICARI, GIUSEPPE, Research Associate in Chemistry, one year from January 1, 1960, \$5500 (5-5-59).
- VON FOERSTER, HEINZ, Professor of Electrical Engineering (C), two months from June 16, 1959, \$1244.44 a month; this is in addition to his present appointment (5-25-59).
- WACHSMAN, JOSEPH T., Assistant Professor of Bacteriology, two months from June 16, 1959, \$1377.78; this is in addition to his present appointment (5-4-59).
- WAGMAN, MORTON, Instructor in Psychology, Summer Session of 1959, $\frac{1}{2}$ time, and Counselor in the Student Counseling Service (Provost's Office), $\frac{1}{2}$ time, two months from June 16, 1959, \$6250 a year (5-6-59).
- WAITS, HAROLD P., Research Assistant in Chemistry, two months from June 16, 1959, \$800 (5-25-59).
- WALDBAUER, GILBERT P., Research Assistant in Entomology, two months from June 16, 1959, \$488.89 a month; this is in addition to his present appointment (5-25-59).
- WALDEN, JAMES D., Assistant in Education, Summer Session of 1959, June 15-August 8, 1959, \$1300 for the period (6-8-59).
- WALKER, EVELYN, Research Assistant Professor of Education, two months from June 16, 1959, \$1245; this is in addition to her present appointment (5-25-59).
- WARD, S. D., Visiting Lecturer in Music, Summer Session of 1959, June 21-July 4, 1959, \$600 for the period (6-8-59).
- WAX, NELSON, Research Professor in the Control Systems Laboratory (S), one month from June 16, 1959, \$1264; this is in addition to his present appointment (5-25-59).
- WAYMAN, CLARENCE M., Assistant Professor of Metallurgical Engineering (Mining and Metallurgical Engineering) (C), two months from June 16, 1959, \$1377.78; this is in addition to his present appointment (6-8-59).
- WEBB, HAROLD D., Professor of Electrical Engineering (C), two months from June 16, 1959, \$1000 a month; this is in addition to his present appointment (5-25-59).
- WELLS, MRS. CATHERINE N., Temporary Head Resident, Lincoln Avenue Residence (North), two months from July 1, 1959, \$400; for the convenience of the University she will also be furnished room and board while on duty valued at \$31 a month (5-8-59).
- WERT, CHARLES A., Professor of Physical Metallurgy (Mining and Metallurgical Engineering) (C), two months from June 16, 1959, \$2222.22; this is in addition to his present appointment (5-26-59).
- WEST, GEORGE C., Assistant in Education, July 13-August 8, 1959, \$700 (5-5-59).
- WESTWATER, JAMES W., Associate Professor of Chemical Engineering (S), two months from June 16, 1959, \$1866.67; this is in addition to his present appointment (6-8-59).

- WHEATLEY, JOHN C., Associate Professor of Physics (C), two months from June 16, 1959, \$888.89 a month; this is in addition to his present appointment (5-21-59).
- WHEATLEY, R. C., JR., Visiting Lecturer in Physics, Summer Session of 1959, June 15-August 8, 1959, \$1300 for the period (5-26-59).
- WILCOX, DAVID L., Research Assistant in Ceramic Engineering (S), three months from June 1, 1959, \$440 a month, supersedes (5-8-59).
- WILHELM, H. G. H., Assistant in Geography, Summer Session of 1959, June 18-August 8, 1959, \$800 for the period (6-8-59).
- WILSON, GEORGE J., Instructor in the Institute of Aviation, June 16-August 31, 1959, \$7250 a year (5-8-59).
- WINEFORDNER, JAMES D., Research Associate in Chemistry, two months from June 16, 1959, \$1000 (5-22-59).
- WYATT, STANLEY P., Associate Professor of Education, June 15-July 10, 1959, \$850 (5-5-59); Associate Professor of Electrical Engineering, one month from July 16, 1959, \$850 (5-26-59); this is in addition to his present appointment.
- YANKWICH, PETER E., Research Professor of Chemistry, two months from June 16, 1959, \$2022.23; this is in addition to his present appointment (5-25-59).
- ZARING, WILSON M., Assistant Professor of Mathematics, $\frac{1}{2}$ time, June 15-August 8, 1959, \$333.50 a month; this is in addition to his $\frac{1}{2}$ -time Summer Session appointment (5-15-59).
- ZIMMERMAN, MRS. MARIE, Counselor in the Student Counseling Service (Provost's Office), $\frac{1}{2}$ time, two months from July 1, 1959, \$411 (5-6-59).
- ZIMMERMAN, PHILIP D., Research Assistant in Ceramic Engineering (S), June 16-August 31, 1959, \$433.33 a month (5-21-59).

GRADUATE FELLOWS

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

- ADCOCK, WILLIAM E., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- ARNOLD, CORDELIA, Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$600 (5-8-59).
- BASS, NOEL, Lederle Laboratories Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$600 (5-13-59).
- BENTRUDE, WESLEY G., National Science Foundation Cooperative Fellow, one year from June 16, 1959, \$2200 (6-2-59).
- BERMAN, MARVIN, United States Public Health Service Fellow (Trainee) in Dentistry, July 1-September 15, 1959, \$600 (5-4-59).
- BEULIGMANN, RAYMOND F., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- BICKFORD, MARION E., JR., Shell Oil Company Fellow in Geology, nine months from September 16, 1959, \$2100, supersedes (5-22-59).
- BISHOP, CARL T., University Fellow in Chemistry, September 16, 1959-January 31, 1960, \$750 (5-21-59).
- BLY, ROBERT M., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- BOICE, LUBELLE, Fellow in Bacteriology, nine months from September 16, 1959, \$1500 (5-4-59).
- BOLLERO, ANGELO J., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- BORDERS, DONALD B., National Science Foundation Summer Fellow, twelve weeks from June 16, 1959, \$900 (6-2-59).
- BRINK, ALLEN L., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$780 (5-8-59).
- BUNCE, DONALD F. M., II, United States Public Health Service Fellow (Trainee) in Anatomy, in the Chicago Professional Colleges, five months from April 1, 1959, \$3200 a year (6-5-59).
- CARRIGAN, RICHARD A., Esso Research and Engineering Company Fellow in Physics, nine months from September 16, 1959, \$2400 (5-27-59).
- CARTER, CAROL A., Zeta Phi Eta Fellow in Speech, nine months from September 16, 1959, \$1500 (5-4-59).

- CHIU, JEN, Standard Oil Company (of Indiana) Fellow in Chemistry, nine months from September 16, 1959, \$2000 (5-25-59).
- CHO, KANG OK, Samuel Higby Camp Foundation Fellow in the Chicago Professional Colleges, one year from July 1, 1959, \$145 a month (5-21-59).
- COOK, GLENN M., National Science Foundation Summer Fellow, June 16-August 11, 1959, \$675 (6-2-59).
- COWLING, KEITH G., George A. Miller Fellow in Agricultural Economics, nine months from September 16, 1959, \$2000, supersedes (5-22-59).
- DETERDING, KARL, National Science Foundation Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- DEVNEY, MRS. RUTH O., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$660 (5-8-59).
- DE VRIES, DONALD L., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- DICKERHOOF, DEAN W., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- DIJKERMAN, JOOST C., University Fellow in Agronomy, nine months from September 16, 1959, \$1500 (5-27-59).
- DORSETT, JOSEPH L., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$780 (5-8-59).
- DOSHI, MADHUKANT, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- DROEGEMEIER, FRANCIS G., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$780 (5-8-59).
- DUENSER, WERNER, Postdoctoral Fellow in Accountancy, one year from September 1, 1959, \$3600 (5-4-59).
- DYBVIG, DOUGLAS H., National Science Foundation Cooperative Fellow, one year from June 16, 1959, \$2200 (6-2-59).
- ECKER, EDWIN D., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$720 (5-8-59).
- EIBECK, RICHARD E., Olin Mathieson Corporation Summer Fellow in Chemistry, two months from June 15, 1959, \$350 (5-18-59); Universal Match Corporation Fellow in Chemistry, nine months from September 16, 1959, \$1800 (5-4-59).
- ERNEST, JOHN A., National Science Foundation Cooperative Fellow, one year from June 16, 1959, \$2200 (6-2-59).
- ESRIG, MELVIN I., National Science Foundation Cooperative Fellow, one year from June 16, 1959, \$2200 (6-2-59).
- FARRELL, ROGER H., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- FAVATA, JAMES, National Science Foundation Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- FELDMAN, ROSS, National Science Foundation Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- FELDMAN, VICTOR, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- GOERING, REUBEN J., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$840 (5-8-59).
- GRAHAM, ALLAN, National Science Foundation Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- GREEK, RONALD B., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$720 (5-8-59).
- GREENE, DARYLE E., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- GROSSMAN, JAMES, National Science Foundation Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- GROVES, WILLIAM E., National Science Foundation Summer Fellow, twelve weeks from June 16, 1959, \$900 (6-2-59).
- GUBER, ALBERT L., National Science Foundation Summer Fellow, twelve weeks from June 16, 1959, \$900 (6-2-59).
- GWYNN, DONALD E., National Science Foundation Summer Fellow, twelve weeks from June 16, 1959, \$900 (6-2-59).
- HALL, JOHN S., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).

- HARNER, ROBERT, Lederle Laboratories Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$600 (5-13-59).
- HERR, KENNETH D., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$660 (5-8-59).
- HOLT, JAMES A., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- HONIG, GEORGE, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- JACOBSON, ALBERT S., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$660 (5-8-59).
- JEWELL, WILLIAM, National Science Foundation Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- JONES, ROGER S., National Science Foundation Summer Fellow, June 16-August 18, 1959, \$750 (6-2-59).
- KANE, HARRISON, National Science Foundation Cooperative Fellow, one year from June 16, 1959, \$2200 (6-2-59).
- KAPLAN, MARVIN, Tobacco Industry Research Committee Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- KHETTRY, ARUN, Parke, Davis Fellow in Chemistry, June 16-January 31, 1960, \$1650 (6-9-59).
- KUMARICH, DAN, United States Public Health Service Fellow (Trainee) in Dentistry, July 1-September 15, 1959, \$600 (5-4-59).
- LARSEN, REYNOLD, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- LARSON, CARL S., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- LAUCK, DAVID R., National Science Foundation Summer Fellow, twelve weeks from June 16, 1959, \$900 (6-2-59).
- LIBNOCH, JOSEPH, United States Public Health Service Fellow (Trainee) in the Chicago Professional Colleges, one year from July 1, 1959, \$4500 (6-1-59).
- LINDBLAD, WILLIAM E., University Fellow in English, one year from August 16, 1959, \$2700 (5-15-59).
- LIPSEY, ALLEN, National Science Foundation Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- LONG, CLIFFORD A., National Science Foundation Summer Fellow, June 16-August 18, 1959, \$750 (6-2-59).
- LOUGHNAN, FREDERICK C., Postdoctoral Fellow in Geology, one year from September 1, 1959, \$3600 (5-4-59).
- LU, WEI-JUNE, Wright Fellow in Horticulture, nine months from September 16, 1959, \$1500 (4-30-59).
- LYNCH, CHARLES T., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- MAILMAN, DAVID, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- MARSHALL, WILLIAM E., JR., Hackett Fellow in Food Technology, nine months from September 16, 1959, \$1500 (4-30-59).
- MARTIN, BRUCE, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- MATHEWS, WESLEY N., JR., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- MCCAULLY, RONALD J., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- MEYERS, BERNARD L., National Science Foundation Summer Fellow, twelve weeks from June 16, 1959, \$900 (6-2-59).
- MOCKENHAUPT, JEROME D., Trane Company Fellow in Mechanical Engineering, nine months from September 16, 1959, \$1400 (5-22-59).
- MORAN, DANIEL A., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- MORRIS, CHARLES E., JR., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$660 (5-8-59).
- MORRIS, TREVOR R., Postdoctoral Fellow in Animal Science, one year from September 1, 1959, \$3600 (5-4-59).
- MUELLER, JOSEPH E., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$780 (5-8-59).

- MUHL, ZANC, United States Public Health Service Fellow (Trainee) in Dentistry, July 1-September 15, 1959, \$600 (5-4-59).
- MURPHY, MRS. BOBBIE C., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$660 (5-8-59).
- NARUOKA, MASAO, Postdoctoral Fellow in Civil Engineering, one year from September 1, 1959, \$3600 (5-4-59).
- NEALE, ROBERT S., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- NEUHOUSER, DAVID L., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$780 (5-8-59).
- NEUMAN, DUANE F., Hackett Fellow in Agricultural Economics, nine months from September 16, 1959, \$1500 (5-6-59).
- NORTRUP, JACK J., Kendric C. Babcock Fellow in History, nine months from September 16, 1959, \$1800 (6-4-59).
- ONANIAN, EDWARD D., George A. Miller Fellow in Economics, nine months from September 16, 1959, \$2000, supersedes (5-22-59).
- PARDUE, HARRY L., National Science Foundation Cooperative Fellow, one year from June 16, 1959, \$2200 (6-2-59).
- PEARSON, ROBERT L., American Cyanamid Company Fellow in Chemistry, nine months from September 16, 1959, \$1800 (4-30-59).
- PETERS, JOSEPH A., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- PUGLIA, CHARLES R., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- RAFF, LIONEL M., National Science Foundation Cooperative Fellow, one year from June 16, 1959, \$2200 (6-2-59).
- REHAK, JAMES, United States Public Health Service Fellow (Trainee) in Dentistry, July 1-September 15, 1959, \$600 (5-4-59).
- RETZER, KENNETH A., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$840 (5-8-59).
- RITTER, MAURICE, United States Public Health Service Fellow (Trainee) in Dentistry, July 1-September 15, 1959, \$600 (5-4-59).
- ROWE, JAMES E., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$840 (5-8-59).
- SALANS, LESTER, National Science Foundation Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- SCHLETER, EVERETT S., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- SISTER M. RAYMOND CAPUA HARTY, Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$600 (5-8-59).
- SODERMAN, JARMO G. W., California Company Fellow in Geology, nine months from September 16, 1959, \$1500 (5-25-59).
- SOMERS, BRUCE G., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- SOYKA, LESTER, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- STEWART, ANN, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 supersedes (5-13-59).
- STRICKLAND, CALVIN, Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$840 (5-8-59).
- SUMMER, HARRY H., Illinois Consumer Finance Association Fellow, nine months from September 16, 1959, \$1500 (6-3-59).
- TEMPERLEY, NICHOLAS M., Postdoctoral Fellow in Music, one year from September 1, 1959, \$3600 (5-4-59).
- TENER, MARY E., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$600 (5-8-59).
- TREGILLUS, PEGGY R., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$600 (5-8-59).
- TVETEN, JOHN L., Minnesota Mining and Manufacturing Company Fellow in Chemistry, nine months from June 16, 1959, \$1500, supersedes (5-22-59).
- UEDA, TATEO, Postdoctoral Fellow in Geology, two months from June 16, 1959, \$300 a month (6-9-59).
- VANDERBECK, GLORIA M., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$600 (5-8-59).

- WASSMER, ELIZABETH, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- WEAVER, JAY D., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$720 (5-8-59).
- WEBB, DAVID K., JR., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- WEINSWIG, HAROLD, University Summer Fellow in the Chicago Professional Colleges, July 1-September 15, 1959, \$500 (5-13-59).
- WETHERBEE, WILLIAM B., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$720 (5-8-59).
- WILDING, LAWRENCE P., Campbell Soup Company Fellow in Plant Sciences, nine months from September 16, 1959, \$2400, supersedes (5-19-59).
- WITTEN, VERNIE E., JR., Mathematics Institute Fellow in Mathematics, two months from June 16, 1959, \$780 (5-8-59).
- WOODFIN, BEULAH M., National Science Foundation Cooperative Fellow, one year from June 16, 1959, \$2200 (6-2-59).
- YOUNGQUIST, GORDON R., National Science Foundation Summer Fellow, eight weeks from June 16, 1959, \$600 (6-2-59).
- ZACEK, JOSEPH F., Summer Fellow in History, two months from June 16, 1959, \$250 (5-6-59).
- ZACOVITCH, ROBERT, United States Public Health Service Fellow (Trainee) in Dentistry, July 1-September 15, 1959, \$600 (5-4-59).

RESIGNATIONS AND DECLINATIONS

- ADRIAN, ROBERT J., Ford Postdoctoral Fellow in the Institute for Research on Exceptional Children—resignation effective September 1, 1959.
- BAILEY, JANET H., George A. Miller Fellow in Psychology—declination effective September 16, 1959.
- BUCHANAN, GAIL K., Fellow in Music—resignation effective September 16, 1959.
- BURNSTOCK, MRS. NOMI, Research Assistant in Animal Science—resignation effective May 23, 1959.
- CHAMBERLIN, WALTER J., Assistant Professor of Business English, Summer Session of 1959—declination effective June 15, 1959.
- CHASE, SAMUEL B., III, Instructor in Economics—resignation effective September 1, 1959.
- CONLEY, HAROLD, Hospital Pharmacy Resident (Pharmacy)—resignation effective June 1, 1959.
- CUBERT, MRS. CATHERINE L., Associate Professor of Audiology (Medicine)—resignation effective September 1, 1959.
- DAVIS, GERALD D., Instructor in Mechanical Engineering—resignation effective September 1, 1959.
- DE COURCY, KIMBERLY J. H., Instructor in Mechanical Engineering—resignation effective September 1, 1959.
- DUBERG, JOHN E., Professor of Civil Engineering—resignation effective September 1, 1959.
- EVERETT, HENRY C., III, Assistant Professor of Hygiene, Medical Adviser and Special Duty Physician in the Health Service—resignation effective August 1, 1959.
- GOULDNER, ALVIN W., Professor of Sociology—resignation effective September 1, 1959.
- INGLE, LESTER, Professor of Zoology, Summer Session of 1959—declination effective June 15, 1959.
- JACKSON, WILLIAM V., Associate Professor of Library Science, Summer Session of 1959—declination effective June 15, 1959.
- KAIHARA, YASUTO, Catalog Assistant in the Library—resignation effective September 1, 1959.
- KOKALIS, SOTER G., Fellow in Chemistry—declination effective June 16, 1959.
- LUX, DONALD G., Associate Professor of Industrial Education, Summer Session of 1959—declination effective June 15, 1959.
- LYON, BRYCE D., Associate Professor of History—resignation effective September 1, 1959.
- MACKOWIAK, RICHARD J., Registered Pharmacist in Hospital Pharmacy (Pharmacy)—resignation effective May 15, 1959.

- McLANE, WILLIAM L., Associate Professor of Hygiene, Medical Adviser and Special Duty Physician in the Health Service—resignation effective September 1, 1959.
- MORAN, DANIEL A., Assistant in Mathematics, Summer Session of 1959—declination effective June 15, 1959.
- NEMCIK, ROBERT L., Assistant Extension Editor in Agricultural Economics with rank of Instructor—resignation effective July 1, 1959.
- OPPERMANN, MRS. LOIS F., Research Assistant in Chemistry—resignation effective April 18, 1959.
- PALISCA, CLAUDE V., Assistant Professor of Music—resignation effective September 1, 1959.
- PECK, R. B., Professor of Foundation Engineering, Summer Session of 1959—declination effective June 15, 1959.
- RAPS, SHIRLEY, Fellow in Bacteriology—resignation effective September 16, 1959.
- ROSMAN, MRS. LIVIA R., Instructor in Foreign Languages (Chicago Undergraduate Division)—resignation effective September 1, 1959.
- ROWLAND, WALTER F., Instructor in Civil Engineering—resignation effective September 1, 1959.
- SHANNON, ROBERT D., Research Associate in Ceramic Engineering—resignation effective May 15, 1959.
- SHERMAN, EDWARD O., JR., Fellow in Chemistry—declination effective June 16, 1959.
- SOULE, DONALD M., Assistant Professor of Economics—resignation effective September 1, 1959.
- STEMPAK, JEROME, United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges)—resignation effective June 1, 1959.
- SUTTLES, GERALD D., Fellow in Sociology—declination effective September 16, 1959.
- TIPTON, CARL L., Procter and Gamble Company Fellow in Chemistry—resignation effective September 16, 1959.
- TRUMP, J. LLOYD, Professor of Education and Head of Teacher Placement on the University Council on Teacher Education—resignation effective January 1, 1960.
- TURQUETTE, MRS. MAXINE H. KENNEDY, Editor, with rank of Associate Professor, in the Small Homes Council—resignation effective June 15, 1959.
- WEINBERG, MRS. GRACE, Research Assistant in Dairy Science—resignation effective June 22, 1959.
- WINTER, EDWARD H., Associate Professor of Anthropology—resignation effective September 1, 1959.
- ZUMWALT, GLEN W., Research Associate in Mechanical Engineering—resignation effective September 1, 1959.

LEAVES OF ABSENCE

- ATTEBERY, MRS. KATHERINE, Assistant Head Resident of Lincoln Avenue Residence (South)—leave of absence, without pay, beginning May 1, 1959, and continuing until further notice, because of illness.
- BUTWELL, RICHARD L., Assistant Professor of Political Science—leave of absence, without pay, for the academic year 1959-60, in order that he may accept a Fulbright grant in Burma to do research work in the field of his particular interest.
- CASSELL, ROBERT L. S., Instructor in English (Chicago Undergraduate Division)—leave of absence, without pay, beginning May 13 and continuing through August 31, 1959, on account of ill health.
- GRUBB, MAXINE, Serials Reviser, with rank of Instructor, in the Library—leave of absence, with full pay, for the period April 9 to August 31, 1959, on account of illness.
- JARNAGIN, ROBERT A., Assistant Extension Editor and Assistant Professor of Agricultural Extension, in the Extension Service in Agriculture and Home Economics—leave of absence, without pay, for one year beginning September 1, 1959, so that he may do graduate work at Michigan State University.

- KAISER, HENRY F., Assistant Professor of Education, in the Bureau of Educational Research—leave of absence to be changed from a six-week leave (June 15 to August 1) to a three-week leave (August 1-21), without pay.
- KEMMERER, DONALD L., Professor of Economics—leave of absence, without pay, for the second semester of 1959-60, so that he may accept a Fulbright lectureship to go on the staff of the University in Montpelier, France.
- KUYPERS, JOHN M., Professor of Music—extension of his leave of absence, without pay, for two years beginning September 1, 1959.
- MACLAY, HOWARD S., Assistant Professor of Communications—leave of absence, without pay, beginning July 15 and continuing through August 31, 1959.
- MOORE, ASBURY C., JR., Assistant to the Dean of the College of Physical Education and Instructor in Physical Education for Men—leave of absence, without pay, for one month beginning July 1, 1959, so that he may do historical research on a study of the origin of sports.
- NELSON, WILLARD O., Professor of Bacteriology, in the Department of Dairy Science (C and S)—leave of absence, without pay, beginning August 1, 1959, and continuing through June 30, 1960, so that he may accept a proposed temporary appointment as Assistant Director of Development and Special Assistant to the Scientific Director of the Biological Warfare Laboratories, United States Army Chemical Corps Research and Development Command, at Fort Detrick, Frederick, Maryland.
- ODELL, RUSSELL T., Professor of Soil Physics, in the Department of Agronomy (C and S)—sabbatical leave of absence granted him for 1959-60 has been changed to leave for one-half year on full pay, beginning September 1, 1959.
- PUGH, ROBERT C., Assistant Professor of History, in the Division of General Studies—leave of absence on account of illness, with full pay, from April 1, 1959, through June 14, 1959, or as much of that period as may be necessary.
- SEITZ, FREDERICK, Professor of Physics and Head of the Department—leave of absence, without pay, one year beginning September 1, 1959, so that he may serve as Scientific Adviser to the North Atlantic Treaty Organization.
- WATTENBERG, ALBERT, Research Professor of Physics—leave of absence, without pay, for one month beginning August 1, 1959.
- WEEKS, WALTER L., Associate Professor of Electrical Engineering—leave of absence, without pay, for the academic year 1959-60, so that he may take a position in another part of the country where the climate will be conducive to improvement in his health.

CANCELLATIONS OF LEAVES OF ABSENCE

- GARDNER, KARL E., Professor of Nutrition, in the Department of Dairy Science, and Associate Dean of the College of Agriculture—cancellation of sabbatical leave of absence granted him for six months beginning March 1, 1960.
- LURIA, SALVADOR E., Professor of Bacteriology—cancellation of sabbatical leave of absence for the second semester of 1958-59 and changed to leave of absence without pay for the period March 1 to August 31, 1959.

ADDRESS BY DEAN GRANVILLE A. BENNETT

President Henry introduced Dean Granville A. Bennett of the College of Medicine who addressed the Board on the subject of the two-year pilot program of educational research by the College, for which the University received a grant of \$112,000 from the Commonwealth Fund.

On motion of Mr. Herrick, the Board adjourned.

A. J. JANATA
Secretary

KENNEY E. WILLIAMSON
President