

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

December 21, 1960



The December meeting of the Board of Trustees of the University of Illinois was held in the First National Bank of Chicago, 38 South Dearborn Street, Chicago, Illinois, on Wednesday, December 21, 1960, beginning at 2:00 p.m.

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. George T. Wilkins, Mr. Kenney E. Williamson. Governor William G. Stratton was absent.

Also present were President David D. Henry, Vice-President and Provost Lyle H. Lanier, Dr. Joseph S. Begando, Assistant to the President and Acting Vice-President in charge of the Chicago Professional Colleges, Executive Dean C. C. Caveny of the Chicago Undergraduate Division, Mr. Ralph F. Lesemann, Legal Counsel, Mr. C. S. Havens, Director of the Physical Plant, Mr. C. E. Flynn, Director of Public Information; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

MEETINGS OF COMMITTEES

Meetings of the Board's Committees on Buildings and Grounds and on General Policy were held on Wednesday, December 21, 1960, beginning at 9:30 a.m.

MINUTES APPROVED

The Secretary presented the minutes of the meeting of the Board of Trustees on June 14, 1960, 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 1311 to 1752, 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 Illinois Accountancy Act of 1943 as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
WARREN FRANKLIN CECIL	Chicago, Illinois	Ohio
RICHARD JOHN DURAVA	Chicago, Illinois	District of Columbia
EDMUND CREIGHTON KING	Chicago, Illinois	Utah
ERNEST JAMES LOWREY	Houston, Texas	Texas
DENNIS HOWARD MONGOVEN	Chicago, Illinois	District of Columbia
ROBERT NORMAN PASSEN	Chicago, Illinois	District of Columbia
WILLIAM JOHN RICHERT	Chicago, Illinois	Georgia
DANIEL LINCOLN SWEENEY	Chicago, Illinois	Iowa
DAVID BLAKE THOMAS	Effingham, Illinois	Minnesota
THOMAS HOWARD WILLIAMS	Urbana, Illinois	Ohio

I concur.

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

**APPOINTMENT OF VICE-PRESIDENT IN CHARGE
OF THE CHICAGO UNDERGRADUATE DIVISION**

(2) In the planning of the development of the Chicago Undergraduate Division, it has long been contemplated that at some appropriate point there should be brought into the direction of this work and to the continuing administration of this important University program an administrator with broad educational as well as administrative experience, expertness in physical planning, and distinction in past educational service who could appropriately fill the post of Vice-President for the Chicago Undergraduate Division, paralleling the office of Vice-President in charge of the Chicago Professional Colleges. Indeed, such an officer has been needed for the past year or more and without him unusually heavy responsibilities for the planning of the future of the Chicago Undergraduate Division, with its implications for over-all University planning, have had to be assumed informally by other University officers. The appointment of a Vice-President for the Chicago Undergraduate Division would in no way affect the responsibilities of the present office of Executive Dean. In fact, the Office of Executive Dean would have increasingly greater responsibilities for the day-to-day operations of the Chicago Undergraduate Division, especially when it is relocated and its enrollment and faculty inevitably increase.

With the approval of the Universities Bond Issue and this assurance that funds will be available for a new campus and buildings for the Chicago Undergraduate Division, it is now possible to invite to the proposed post of Vice-President a man who is willing to make a career out of the task ahead and who

will bring strength to the total organization. Until assurance of the financial resources for the future development of the Chicago Undergraduate Division, it would have been exceedingly difficult to persuade a qualified person to take the task.

After appraisal of persons outside and within the University of Illinois who might qualify for consideration and who would be available, I have received the opinion from all sides, which I am happy to share, that the best possible choice for this position is Professor Norman A. Parker, presently Head of the Department of Mechanical and Industrial Engineering and Chairman of the University Building Program Committee.

Professor Parker has been a member of the University faculty since 1946 when he was appointed Professor and Head of the Department of Mechanical Engineering. He has served faithfully and effectively on numerous faculty and administrative committees which have been concerned with the study and planning of educational programs in all areas of the University. He is currently serving as Chairman of the University Building Program Committee which is responsible for studies of all phases of the University's physical plant development. As Chairman of the Interim Committee on planning of the Chicago Undergraduate Division, he has been indirectly involved in the programs and policies of the Division. He has had opportunities to work with the faculty and administrative staffs from both campuses. As Head of the Department of Mechanical and Industrial Engineering he has achieved national recognition in his field of education. In short, he is admirably qualified in every way to give distinguished academic leadership to the Division and I am happy to report that he is available.

Accordingly, I now submit the following specific recommendations:

1. There shall be established a Vice-President for the Chicago Undergraduate Division who, under the direction of the President, shall be the chief executive officer of the Division, to be appointed biennially by the Board of Trustees on nomination of the President.
2. The appointment of Professor Norman A. Parker as Vice-President for the Chicago Undergraduate Division beginning January 1, 1961, at an annual salary of \$25,500 on a twelve-month service basis.

The initial appointment shall be for the period of January 1 through August 31, 1961; subsequent reappointments will be on the standard biennial tenure for administrative officers of this rank.

Professor Parker will retain his Professorship of Mechanical and Industrial Engineering on indefinite tenure and will continue to serve as Head of the Department until an Acting Head is appointed.

The appointment of Professor Parker is recommended after consultation with the Executive Dean's Advisory Council at the Chicago Undergraduate Division which includes elected representatives of its Senate, and with the concurrence of the Vice-President and Provost and the Dean of the Graduate College.

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

APPOINTMENT OF BUSINESS MANAGER OF THE CHICAGO COLLEGES AND DIVISIONS

- (3) The Vice-President and Comptroller recommends the appointment of Mr. James E. Osborn, now Director of Purchases in the Business Office, as Business Manager of the Chicago Colleges and Divisions effective January 1, 1961, at an annual salary rate of \$15,000.

This appointment is to fill the vacancy created by the untimely and sudden death a few weeks ago of Mr. Howard A. Hazleton, who had been Business Manager since 1945, and who had served in the Business Office since 1923 as Assistant Cashier, Cashier, Head Cashier, Assistant Bursar, Auditor and Assistant to the Comptroller, Assistant Comptroller, and Business Manager.

I concur.

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

APPOINTMENT OF DIRECTOR OF PURCHASES

- (4) The Vice-President and Comptroller recommends the appointment of Mr. L. E. Elliott, now Assistant Director of Purchases, as Director of Purchases be-

ginning January 1, 1961, at an annual salary of \$11,500, to succeed Mr. James E. Osborn who is being recommended for appointment as Business Manager of the Chicago Colleges and Divisions.

I concur.

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

APPOINTMENTS TO THE FACULTY

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

1. DERYCK ALLEN, Visiting Professor of Civil Engineering, for the second semester, 1960-61, at a salary of \$7,500 (E).
2. JOHN AYER, Assistant Professor of Pathology, College of Medicine, beginning October 13, 1960, without salary (DY).
3. JOSEPH BECKER, Assistant Professor of Psychology, beginning February 1, 1961, at an annual salary of \$7,200 (B).
4. MARCEL BRELOT, Visiting Professor of Mathematics, for the second semester, 1960-61, at a salary of \$9,000 (E).
5. ELIZABETH DEAN, Assistant Professor of Health Education, in the Department of Home Economics, beginning December 1, 1960, at an annual salary of \$8,400 (DY).
6. GERRIT FLETCHER, Assistant Professor of Education, beginning November 1, 1960, at an annual salary of \$7,500 (D).
7. JOHN GARTNER, Associate Professor of Horticulture, beginning February 1, 1961, at an annual salary of \$10,500 (DY).
8. POUL GRAFF-PETERSEN, Visiting Associate Professor of Geology, for the academic year 1961-62, at a salary of \$8,500 (E).
9. MARJORIE HOUSTON, Associate Professor of Oral Pathology and of Applied Materia Medica and Therapeutics, in the College of Dentistry, beginning November 15, 1960, at an annual salary of \$9,500 (DY).
10. RALPH STAHL, Visiting Associate Professor of Physics and of Nuclear Engineering, for the second semester, 1960-61, at a salary of \$6,300 (E).
11. ROBERT STEPTO, Clinical Assistant Professor of Obstetrics and Gynecology, beginning November 15, 1960, without salary (DY).
12. MAURICE MAKOTO TATSUOKA, Associate Professor of Education, beginning September 1, 1961, at an annual salary of \$9,000 (B).
13. HELEN M. WALKER, Visiting Professor of Education, for the second semester, 1960-61, at a salary of \$5,000 (E).

Appointments to Nonacademic Staff

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

1. JOHN A. BALAGNA, JR., Bookstore Manager, Illini Union Bookstore, beginning September 1, 1960, at an annual salary of \$8,400.
2. FUMIE BONK, Food Service Supervisor, Illini Union, beginning September 12, 1960, at an annual salary of \$4,200.
3. EDWARD W. CADE, Chief Announcer, Broadcasting, Radio Station, beginning September 22, 1960, one-half time, at an annual salary of \$2,580.
4. WILLIAM T. DALE, Director-Producer, Broadcasting, Television-Motion Pictures, beginning September 1, 1960, at an annual salary of \$7,200.
5. ETNA J. DOYLE, Test Kitchen Dietitian, Residence Halls, beginning October 1, 1960, at annual salary of \$6,000.
6. RICHARD B. LYTLE, Laboratory Program Administrative Assistant, Department of Chemistry and Chemical Engineering, beginning October 10, 1960, at an annual salary of \$7,500.
7. RUSSELL W. MEEKER, Assistant Supervisor of Motor Vehicle Division, beginning September 1, 1960, at an annual salary of \$4,500.
8. GEORGE P. NEWMAN, JR., Assistant Bookstore Manager, Illini Union Bookstore, beginning November 15, 1960, at an annual salary of \$5,300.
9. A. KENNETH PARLOUR, Laboratory Manager, Department of Chemistry and Chemical Engineering, beginning October 24, 1960, at an annual salary of \$10,800.

10. JOHN SCOUFFAS, Assistant to the Director of the Central Office on the Use of Space, Provost's Office, beginning September 1, 1960, at an annual salary of \$5,040.
11. JOHN A. STANKOWIAK, Laundry Manager, Physical Plant Department, Chicago Professional Colleges, beginning September 19, 1960, at annual salary of \$7,800.

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

INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS ADVISORY COMMITTEE

(6) The Director of the Institute of Labor and Industrial Relations recommends the following appointments to the Institute's Advisory Committee for a term of three years, beginning with the current academic year, to fill vacancies in the three categories of representation:

Management

WYATT A. MILLER, General Manager, Chicago Plant, Sherwin-Williams Company

Labor

THOMAS J. NAYDER, Secretary-Treasurer, Cook County Building and Construction Trades Council

Public

EDWARD A. MARCINIAK, Executive Director, Chicago Commission on Human Relations

I recommend approval.

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

SIGNATURE AUTHORIZATION

(7) The recent death of Mr. Howard A. Hazleton, Business Manager of the Chicago Colleges and Divisions, who had been authorized to sign applications for permits to purchase alcohol, free of federal tax, for use by the University, makes it necessary to change the language of a previous resolution authorizing such signatures adopted by the Board.

I recommend that the following resolution be adopted:

Be It and It Is Hereby Resolved, by this Board of Trustees of the Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Business Manager, the Purchasing Agent, and the Assistant Purchasing Agent of the Chicago Colleges and Divisions of this public corporation be, and they hereby are, authorized to sign any and all documents, forms, applications, and other materials necessary to secure from the United States Treasury Department Internal Revenue Service the right to procure and use alcohol, free of tax, for instruction, experimentation, the making of extracts, ether or chloroform, reagents and pharmaceutical preparations, for sterilization of instruments and external applications, and for any and all other allied purposes for and in behalf of the Chicago Colleges and Divisions of this public corporation, and that the affixing of said officers of their signatures as said officers to any such documents, forms, applications, and other materials necessary, shall be and is the act of this public corporation, and that the authority herein granted shall inure to the successors in office of the said Business Manager, Purchasing Agent, and Assistant Purchasing Agent of the Chicago Colleges and Divisions of this public corporation.

On motion of Mr. Johnston, this resolution was adopted.

TWELVE-WEEK SUMMER TERM

(8) The biennial budget estimates for 1961-63, as approved by the Board of Trustees, include a provision for the cost of a twelve-week summer term, in addition to the traditional eight-week summer session.

The Vice-President and Provost's Office is preparing plans for a twelve-week summer term to be offered in the summer of 1961 to assess the potential demands for expanded summer programs. The proposed twelve-week summer term offering in 1961 will include mainly freshman and sophomore courses which, however, will also be open to any upperclassmen who wish to enroll in them.

The regular eight-week summer session, traditionally a program to serve teachers and administrators in the elementary and secondary schools of Illinois, with its normal complement of undergraduate and graduate courses, will also be offered, according to the usual schedule beginning with the third or fourth week in June and ending with the second week in August.

In approving the budget estimates for 1961-63, the Board in principle authorized the twelve-week summer term but for the purpose of the record I recommend specific authorization at this time of the offering of such a program. The budget and faculty appointments for the two summer terms will be recommended to the Board later.

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

LOAN AGREEMENT FOR ILLINI UNION ADDITION AND HEALTH CENTER

(9) The Vice-President and Comptroller presents the Loan Agreement with the Housing and Home Finance Agency (Project Ill. 11-CH-80 (S)), wherein the federal government agrees to purchase \$2,750,000 of the Illini Union and Health Center Bonds of 1960, Series B, and recommends that it be approved and that the authorization previously given to the Comptroller and the Secretary to execute the Loan Agreement be ratified and confirmed.

On motion of Mr. Johnston, the Loan Agreement was approved, and the Comptroller and the Secretary of the Board were authorized to execute the same. This action was taken by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Herrick, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton.

ILLINI UNION AND HEALTH CENTER BONDS

(10) The Vice-President and Comptroller presents the following resolutions and recommends their adoption.

Resolution Authorizing \$7,950,000 of Illini Union and Health Center Bonds, Series A and B of 1960

\$5,200,000 Illini Union and Health Center Bonds of 1960, Series A
\$2,750,000 Illini Union and Health Center Bonds of 1960, Series B

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 THE ILLINI UNION BUILDING AND A STUDENT HEALTH CENTER BUILDING IN THE CITY OF URBANA, 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 addition to the Illini Union Building, to improve said Illini Union Building, and to construct and equip a Student Health Center Building (hereinafter sometimes called the "buildings" or "Project"); and

WHEREAS, in order to produce the funds necessary to construct and equip said Project it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1959, 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, Secretary, Treasurer or Comptroller of the Board of Trustees, or any other person authorized by resolution of the Board of Trustees, to perform the act or sign the document in question.

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

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

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

The term "*facilities*" shall mean the present Illini Union Building and 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 income during the preceding fiscal year from investments of funds in the Illini Union and Health Center Bond and Interest Sinking Fund Account.

For the purpose of this definition net income shall be determined by deducting from the gross revenues or estimated gross revenues for the period in question (which revenues shall include student service charges for the use of the facilities pledged for the payment of all Bonds then outstanding and then to be issued) all operating expenses or estimated operating expenses for such period and the amounts required to be credited to the Improvement and Replacement Reserve. 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, and whose certificate shall be accompanied by a certificate signed by a nationally recognized firm of independent public accountants (which accountant's certificate may state that it is made in reliance

on information supplied by the University and that they have made no independent examination of the books and records of the University in connection therewith) stating that they know of no reason why such computation is incorrect.

The term "*operating expenses*" shall mean and include all reasonable expenses of operation and maintenance of the facilities, including without limiting the generality of the foregoing, salaries, wages, cost of materials, supplies, insurance, light, heat, power, reasonable repairs necessary to properly maintain such facilities (including reasonable reserves therefor), taxes (if any), fees and expenses of the depository and paying agents and any expenses required to be paid pursuant to this Resolution but excluding depreciation, provisions for the Improvement and Replacement Reserve hereinafter provided, professional services and activities conducted in the Health Center Building, 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 the Continental Illinois National Bank and Trust Company of Chicago or its successors in the City of Chicago, Illinois, and shall also mean the Chemical Bank New York Trust Company or its successors in the Borough of Manhattan and City and State of New York.

The term "*depository*" and the term "*Registration Agent*" shall mean the Continental Illinois National Bank and Trust Company of Chicago or its successor in the City of Chicago, Illinois.

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

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:

1. An addition to the south of the present Illini Union Building, including relocation of general university utilities in order to clear the site, and certain other improvements to said Illini Union Building.
2. An addition to McKinley Hospital, located at 1109 South Lincoln Avenue, Urbana, Illinois, to be used as a Student Health Center.

The estimated cost of said Project is \$7,950,000, exclusive of land and the estimated cost of each portion of said Project is more fully set forth in the plans and specifications therefor on file with the University Architect.

It is hereby determined that in order to produce the funds necessary to construct and equip the Project, that the University borrow the sum of Seven Million Nine Hundred Fifty Thousand Dollars (\$7,950,000) and in evidence thereof to issue its Illini Union and Health Center Bonds hereunder in said principal amount.

SECTION 2.03. *Terms of Series A and B of 1960 Bonds.* The Bonds to be initially issued hereunder shall be substantially in the form and of the tenor and

purport hereinafter set forth and limited to the aggregate principal amount of Seven Million Nine Hundred Fifty Thousand Dollars (\$7,950,000) at any one time outstanding, Five Million Two Hundred Thousand Dollars (\$5,200,000) of which shall be designated "The Board of Trustees of the University of Illinois Illini Union and Health Center Bonds of 1960, Series A" (hereinafter called "1960 Series A Bonds") and the remaining Two Million Seven Hundred Fifty Thousand Dollars (\$2,750,000) principal amount thereof shall be designated "The Board of Trustees of the University of Illinois Illini Union and Health Center Bonds of 1960, Series B" (hereinafter called "1960 Series B Bonds").

The Series A Bonds and the Series B Bonds shall be issued as negotiable coupon bonds dated October 1, 1960, registrable as to principal in the denomination of \$1,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to April 1, 1961, in which case they shall be dated October 1, 1960. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons shall be numbered in such manner as may be designated by the Comptroller and shall be issued in denominations of \$1,000 or multiples thereof. Bonds shall bear interest from October 1, 1960, payable semi-annually on the first days of April and October in each year until paid, commencing April 1, 1961, at the rates provided below and shall mature in the following amounts on October 1, of the following years:

<i>Ma- turity Dates</i>	<i>Series A Bonds</i>		<i>Series B Bonds</i>	
	<i>Principal Amount</i>	<i>Interest Rate</i>	<i>Principal Amount</i>	<i>Interest Rate</i>
1963	\$ 90,000	5%	\$ 50,000	3½%
1964	100,000	5%	50,000	3½%
1965	100,000	5%	50,000	3½%
1966	110,000	5%	60,000	3½%
1967	120,000	3½%	60,000	3½%
1968	130,000	3½%	60,000	3½%
1969	140,000	3½%	60,000	3½%
1970	140,000	3½%	70,000	3½%
1971	150,000	3½%	70,000	3½%
1972	160,000	3½%	70,000	3½%
1973	160,000	3½%	80,000	3½%
1974	170,000	3½%	80,000	3½%
1975	170,000	3½%	90,000	3½%
1976	180,000	3½%	90,000	3½%
1977	180,000	3½%	100,000	3½%
1978	180,000	3½%	110,000	3½%
1979	190,000	3½%	110,000	3½%
1980	200,000	3½%	110,000	3½%
1981	210,000	3½%	120,000	3½%
1982	220,000	3½%	120,000	3½%
1983	230,000	3½%	120,000	3½%
1984	240,000	3½%	130,000	3½%
1985	250,000	3½%	130,000	3½%
1986	260,000	3½%	140,000	3½%
1987	270,000	3½%	140,000	3½%
1988	280,000	3½%	150,000	3½%
1989	280,000	3½%	160,000	3½%
1990	290,000	3½%	170,000	3½%
	<u>\$5,200,000</u>		<u>\$2,750,000</u>	

The 1960 Series A and B Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to April 1, 1971, 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1985.....	1%
April 1, 1986 and thereafter without premium,	

provided, however, that the 1960 Series B Bonds may be redeemed in the inverse order in which they mature at any time after completion of the Project out of excess funds then remaining in any Construction Fund Account established with the proceeds of said 1960 Series B Bonds, at the principal amount thereof together with interest accrued thereon to the date fixed for redemption but 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 of and the interest on the 1960 Series A and B Bonds shall be payable in any coin or currency which on the respective date of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Chemical Bank New York Trust Company in the Borough of Manhattan and City and State of New York.

SECTION 2.05. *Form of Bonds.* The definitive coupon 1960 Series A and B Bonds, the interest coupons to be attached thereto, the form of fully registered 1960 Series B Bonds without coupons, the form of registration endorsement to appear on all coupon Bonds, the form of principal payment record and the form of assignment to appear on all fully registered Bonds shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in number, amount, interest rate, maturity and like matters:

(Form of Coupon Bond)
UNITED STATES OF AMERICA
STATE OF ILLINOIS
THE BOARD OF TRUSTEES OF THE UNIVERSITY
OF ILLINOIS ILLINI UNION AND
HEALTH CENTER BOND
Series of 1960

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 Illini Union and Health Center Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of ONE THOUSAND DOLLARS (\$1,000), on October 1, 19..... and to pay interest on said sum from the date hereof until paid at the rate of per cent (.....%) per annum, payable April 1, 1961, and semiannually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof whether by lapse of time, call for redemption, or otherwise unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the option of the holder, at the Chemical Bank New York Trust Company in the Borough of Manhattan and City and State of New York.

This bond is one of an initial authorized series of Dollars (\$.....) principal amount of Illini Union and Health Center Bonds of 1960, Series, which with the 1960 Series Bonds constitute an issue of Seven Million Nine Hundred Fifty Thousand Dollars (\$7,950,000) issued and to be issued pursuant to a Bond Resolution (herein called

"Resolution") of The Board of Trustees of the University of Illinois duly adopted December 21, 1960, for the purpose of providing funds for paying the cost of constructing and equipping an addition to the Illini Union Building and a Health Center Building (herein collectively called the "Project") 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.

(1960 Series A Bonds Only)

[The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to April 1, 1971, 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1985.....	1%
April 1, 1986 and thereafter without premium.]	

(1960 Series B Bonds Only)

[The bonds of this series shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to April 1, 1971, 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1985.....	1%
April 1, 1986 and thereafter without premium,	

provided, however, that the bonds of this series may be redeemed in the inverse order in which they mature at any time after completion of the Project out of excess funds then remaining in any Construction Fund Account established with the proceeds of the bonds of this series, at the principal amount thereof together with interest accrued thereon to the date fixed for redemption but 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 printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1959, 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 Illini Union and Health Center Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the present Illini Union Building, (2) 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, (3) 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 (4) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

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

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

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$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 office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

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

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

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

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of October, 1960.

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

Attest: By
Secretary President
Member Member

(Form of Interest Coupon)

Number \$

On the first day of, 19..... (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of Dollars (\$.....) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the option of the holder at the Chemical Bank New York Trust Company in the Borough of Manhattan and City and State of New York, as provided in the Illini Union and Health Center Bond of 1960, Series, dated October 1, 1960, Number

Secretary President

(Form for Registration of Coupon Bond)

Date of Registration	Name of Registered Owner	Signature of Registrar
.....
.....
.....

(Form of Registered Bond Without Coupons)
 UNITED STATES OF AMERICA
 STATE OF ILLINOIS
 THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
 ILLINI UNION AND HEALTH CENTER BOND
 Series of 1960

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 Illini Union and Health Center Bond Fund as hereinafter provided for, and not otherwise) to

..... or registered assigns, on October 1, 19....., the principal sum of Dollars (\$.....) and to pay interest thereon (which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the University), at the rate of per cent (.....%) per annum, payable April 1, 1961, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are made payable in any coin or currency which on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, or its successor, in the City of Chicago, Illinois, or at the option of the holder at the Chemical Bank New York Trust Company in the Borough of Manhattan and City and State of New York.

This bond is one of an initial authorized series of principal amount of Illini Union and Health Center Bonds of 1960, Series, which with the 1960 Series Bonds constitute an issue of Seven Million Nine Hundred Fifty Thousand Dollars (\$7,950,000), issued and to be issued pursuant to a Bond Resolution (herein called "Resolution") of The Board of Trustees of the University of Illinois duly adopted December 21, 1960, for the purpose of providing funds for paying the cost of constructing and equipping an addition to the Illini Union Building and a Health Center Building (herein collectively called the "Project") 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.

(1960 Series A Bonds Only)

[The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to April 1, 1971, 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1985.....	1%
April 1, 1986 and thereafter without premium.]	

(1960 Series B Bonds Only)

[The bonds of this series shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to April 1, 1971, 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1985.....	1%
April 1, 1986 and thereafter without premium,	

provided, however, that the bonds of this series may be redeemed in the inverse order in which they mature at any time after completion of the Project out of excess funds then remaining in any Construction Fund Account established with the proceeds of the bonds of this series, at the principal amount thereof together with interest accrued thereon to the date fixed for redemption but 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 printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1959, 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 Illini Union and Health Center Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the present Illini Union Building, (2) 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, (3) 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 (4) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, or said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

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

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$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 office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (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 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, student service charges and other charges for the use of said facilities and to maintain and collect rents and student service charges and other charges sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

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

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

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

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 Assignment of Registered Bonds Without Coupons)

For Value Received
hereby sell, assign and transfer unto.....

the within mentioned bond together with accrued interest thereon, and all right, title and interest thereto and hereby irrevocably constitute and appoint, attorney to transfer the same on the books of Registration of the University, with full power of substitution in the premises.

Dated:

Witness:

NOTE: The signature to this Assignment must correspond with the name as written on the face of the within bond in every particular, without alteration or enlargement or any change whatsoever except when the registered owner is a governmental agency, in which case it may be executed in the name of any successor.

SECTION 2.06. *Bonds of Additional Series.* Subject to the conditions and limitations set forth in Article Four hereof and provided that the University shall not at the time be in default under any of the terms, covenants or provisions of this Resolution, additional Bonds of equal rank with the 1960 Series A and B Bonds may be issued from time to time under 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, however, that each issue of additional Bonds, when so issued, shall be differentiated from all previous issues by appropriate designation inscribed thereon.

SECTION 2.07. *Execution of Bonds.* All of the Bonds shall be executed by the facsimile signatures of the President and any two members of the Board of Trustees and shall have the seal of the University affixed thereto (or a facsimile thereof to be reproduced thereon) and shall be attested by the Secretary of the Board of Trustees, the coupons to be attached to the Bonds shall bear the 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 Registration Agent in Chicago, Illinois, 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 herein, as hereinafter provided, and under such reasonable regulations as it may prescribe, any Bonds issued under this Resolution and entitled to be so registered or transferred.

The holder of any coupon Bond issued hereunder may have the ownership of the principal thereof registered on said books of the University at the office of the Registration Agent in Chicago, Illinois, and such registration shall be noted on the Bond. After such registration no transfer shall be valid unless made on the said books by the registered owner in person, or by his duly authorized attorney, and similarly noted on the Bond; but the same may be discharged from registration by being in like manner transferred to bearer, and thereupon 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. The University shall make no charge for such registrations and discharges from registration.

Any registered Bond without coupons may be transferred at the office of the Registration Agent in the City of Chicago, Illinois, by surrender of such Bond for cancellation, accompanied by delivery of a written instrument of transfer in form approved by the Comptroller, duly executed by the registered owner of such Bond or his duly authorized attorney, and thereupon the University shall issue in the name of the transferee or transferees a new registered Bond or Bonds of like form and maturity and for a like aggregate principal sum.

A registered Bond without coupons, upon request of the registered owner, may be exchanged at said office of the Registration Agent for several such Bonds, of like form and maturity but of lesser authorized denominations, in the same name and for a like aggregate principal sum, and several registered Bonds without

coupons, in the same name, may, upon request of the registered owner, be exchanged at such office or agency for one registered Bond without coupons or several such Bonds, of like form and maturity, but of greater authorized 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 shall issue, and, in exchange for such coupon Bonds, shall deliver registered Bonds, or one registered Bond, of authorized denominations without coupons, of the same maturity and for a like aggregate principal sum.

Whenever any registered Bond without coupons shall be surrendered for cancellation, accompanied by delivery of a written instrument of transfer in a form approved by the Comptroller, duly executed by the registered owner of such Bond or his duly authorized attorney, at the office of the Registration Agent in the City of Chicago, Illinois, for exchange for coupon Bonds, the University shall issue, and, in exchange for such registered Bond, shall deliver coupon Bonds for a like aggregate principal sum and like maturity, with coupons thereto attached 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, including printing costs of new bonds, 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 2.08 during a period of ten (10) days next preceding any interest payment date, or for the period of ten (10) days next preceding the first publication of notice of redemption of any Bond or at any time of any Bonds which have theretofore been duly called for redemption.

SECTION 2.09. *Lost, Stolen, Destroyed or Mutilated Bonds.* Upon the receipt by the University of evidence satisfactory to it of the loss, theft, destruction or mutilation of any outstanding Bond hereby secured, and of indemnity satisfactory to it, and upon surrender and cancellation of such Bond if mutilated, the University may execute and deliver, upon the lapse of such period of time as they may deem advisable, a new Bond of like tenor and maturity bearing the same or a different serial number, to be issued in lieu of such lost, stolen, destroyed or mutilated Bond. Such new Bond may bear such endorsement as may be prescribed by the University and which at the time is necessary to conform to the requirements of any securities exchange or of any governmental body

having jurisdiction. The University may require the payment of a sum not exceeding Two Dollars (\$2.00) for each new Bond issued under this Section 2.09, plus expenses, including printing costs of new bonds, which may be incurred by the University in the premises.

SECTION 2.10. *Registration Agent.* The depository in the City of Chicago, Illinois, is hereby appointed as the Registration Agent for the purpose of registering, transferring and exchanging the Bonds as in this Resolution provided and the University agrees to take all legal action necessary or proper to constitute said depository as the Registration Agent hereunder.

ARTICLE THREE REDEMPTION OF BONDS

SECTION 3.01. *Publication of Notice.* Whenever the University shall determine to exercise its right to redeem any Bonds issued hereunder and by their terms subject to redemption, notice of such redemption shall be published by the University in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois and in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, in the City and State of New York not less than 30 days prior to such redemption date. Such notice shall (a) designate the time and place of such redemption; (b) if the Bonds to be redeemed are less than all of the Bonds of any series or maturity, designate the numbers, the maturity date or dates and the aggregate principal amount of such Bonds; and (c) state that on the designated date of redemption such Bonds will be redeemed by payment of the principal amount thereof (or for the portion thereof to be redeemed) and all unpaid interest accrued thereon to the date of redemption plus the applicable premium, if any, and that from and after such designated redemption date interest in respect of the Bonds (or portions thereof) so called for redemption shall cease. A copy of said notice shall be mailed by the University, postage prepaid, at least 30 days prior to the redemption date to all registered owners of Bonds so to be redeemed at their last addresses appearing on the registration books of the University, but such mailing shall not be a condition precedent to the validity of the redemption of any Bond.

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

In the event of the payment of a portion of the principal amount of any fully registered Bond registered in the name of any initial purchaser in whose name Bonds of that series were first registered and named in a written order of an Authorized Officer filed with the depository and stating that the provisions of this paragraph shall be applicable thereto, or registered in the name of any subsequent holder for the benefit of whom University shall elect that the provisions of this paragraph shall be applicable thereto (which election shall be subject to the condition that such subsequent holder shall first agree not to make any sale or transfer of any Bond or Bonds registered in its name without presentation of such Bond 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 delivering a new Bond or Bonds of an aggregate principal amount equal to the unredeemed portion of the principal amount of such Bond, the University shall, in its letter transmitting payment to such Bond holder, instruct such holder to endorse such payment on such Bond and a written representation from

such holder to the University that such payment has been so endorsed shall be conclusive evidence of such endorsement and payment.

SECTION 3.02. *Pro Rata Redemption Among Series.* In any case of the redemption at the option of the University of less than all of the outstanding Bonds then subject to redemption, no Bonds of any series may be redeemed unless Bonds of each other series then subject to redemption are redeemed at the same time in proportion to the amount of each such Series originally issued; provided, however, that in any case of the redemption of all of the outstanding Bonds of any one or more series, as a result of or in anticipation of the refunding or refinancing of one or more such series by the application of funds derived from other borrowings or the issuance of additional Bonds hereunder, no Bonds of any other series need be redeemed unless so required in the resolution supplemental hereto, creating or authorizing any additional series of Bonds. Nothing in this section shall be deemed to restrict the redemption by the University of a portion of the Bonds of any Series out of surplus funds remaining in a Construction Fund Account held for the account of Bonds of such series in any case where the University is required or permitted to redeem such Bonds out of such surplus funds.

SECTION 3.03. *Selection of Bonds for Redemption.* In case the University shall have elected to redeem less than all of the outstanding Bonds of a single series and maturity, the Bonds to be redeemed shall be selected by lot except as herein otherwise expressly provided. In each such instance the University shall, at least five days before the date upon which the first publication of the notice of redemption hereinbefore mentioned is required to be made (or the mailing of such notice in case no publication is required as hereinafter specified), draw by lot, from the outstanding Bonds of such series and maturity, in any manner deemed by it proper, the identifying numbers of the Bonds to be redeemed. In any such selection by lot each Bond of a denomination in excess of \$1,000 shall be given a separate number for each \$1,000 of the principal amount thereof.

SECTION 3.04. *Deposit of Funds for Redemption.* Said notice having been given, as above provided, the Bonds designated for redemption shall, on the date specified in such notice, become due and payable, at the then applicable redemption price, and on or before the day preceding the date fixed for redemption the University shall deposit with the Continental Illinois National Bank and Trust Company of Chicago, or its successor in the City of Chicago, Illinois, as depository, the redemption price of the Bonds called for redemption and accrued interest thereon to the date fixed for redemption. Upon such deposit having been made and on presentation, if required, of such Bonds in accordance with such notice at the place at which the same are expressed in such notice to be redeemable, with all appertaining coupons, if any, maturing after said redemption date, such Bonds shall forthwith after the making of such deposit be paid by the depository, on behalf of the University, at such redemption price. Such payment of the redemption price shall be made to the bearer of any such Bonds, unless it shall then be registered, in which case such payment shall be made to the registered owner. All unpaid interest installments represented by coupons which shall have matured on or prior to the date of redemption specified in such notice, shall continue to be payable to the bearers, severally and respectively, and the redemption price payable to the holders of Bonds presented for redemption shall not include such unpaid installments of interest unless coupons representing such installments shall be attached to the Bonds presented for redemption.

SECTION 3.05. *Effect of Redemption.* If the amount necessary to redeem all of the Bonds called for redemption as aforesaid shall have been deposited with the paying agent, for the account of the holder or holders of such Bonds on or before the day preceding the date specified for such redemption, and the notice 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 Ten hereof) be discharged from and after the redemption date specified in such notice from further liability in respect of the Bonds so called for redemption, and thereafter such Bonds shall not be entitled to any benefit of or from this Resolution. In case

any question shall arise as to whether any such notice shall have been sufficiently given, or such redemption effected, such question shall be decided by the paying agent, and the decision of the paying agent shall be final and binding upon all parties in interest. No holder of any Bond shall be entitled to any interest on money deposited for the redemption of Bonds.

SECTION 3.06. *Cancellation of Bonds.* All Bonds redeemed and paid, as provided in this Article Three, shall, together with all coupons appertaining thereto, 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.

ARTICLE FOUR

ISSUANCE OF BONDS

SECTION 4.01. *Issuance of 1960 Series A and B Bonds.* Series A Bonds in the principal amount of Five Million Two Hundred Thousand Dollars (\$5,200,000) and Series B Bonds in the amount of Two Million Seven Hundred Fifty Thousand Dollars (\$2,750,000) 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 1960 Series A and B Bonds may be issued from time to time under the terms of this Resolution having such maturities, providing for the payment of such rates of interest and having such other characteristics as shall be determined by the Board of Trustees and set forth in a resolution to be supplemental hereto; *provided* such additional Bonds shall be issued only for one or more of the following purposes:

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

B. Paying the cost of equipping, enlarging or improving the Project and/or the existing Illini Union Building, provided that no Bonds may be issued for paying the cost of enlargements or improvements which would increase the size of the Project and the existing Illini Union Building combined (as measured in gross square feet of floor space) by more than twenty-five per cent (25%);

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 and/or the existing Illini Union Building as provided in clause B above, the Net Income Available for Debt Service shall be equal to or greater than one and thirty-five hundredths (1.35) times the maximum amount to become due in any succeeding fiscal year for the payment of principal and interest on the Bonds then outstanding hereunder and the Bonds then to be issued.

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. The final maturity of any additional Bonds issued in accordance with this Section shall not be earlier than the final maturity of any bonds then outstanding. For the purpose of this Section any computation of Net Income Available for Debt Service pre-

pared 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. *Illini Union and Health Center 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 present Illini Union Building in Urbana, Illinois,
- (2) the operation of the Project,
- (3) the operation of any other revenue producing facilities for the account of which additional Bonds may hereafter be issued; and
- (4) 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 "Illini Union and Health Center 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 Illini Union and Health Center Bond Fund and shall be used as provided in Section 5.02 hereof.

SECTION 5.02. *Disposition of Illini Union and Health Center Bond Fund.* The funds in the Illini Union and Health Center Bond Fund shall be used in the manner and in the order hereinafter mentioned:

(a) Funds in the Illini Union and Health Center Bond Fund representing revenues derived from student service charges shall first be used for the purpose of making the next succeeding deposit in the Bond and Interest Sinking Fund Account required to be made pursuant to subsection (b) below. All funds representing revenues derived from sources other than student service charges together with student service charges, if any, remaining after making the deposit in the Bond and Interest Sinking Fund of all amounts required to meet the next succeeding deposit required to be made by subsection (b) below, shall first be used to pay all current operating expenses and thereafter for the purposes specified in subsections (b), (c) and (d) below.

(b) There is hereby created an account to be designated the Illini Union and Health Center Bond and Interest Sinking Fund Account (herein sometimes called the "Bond and Interest Sinking Fund Account"), which shall be maintained with the Continental Illinois National Bank and Trust Company of Chicago or its successor in the City of Chicago, Illinois, which bank is hereby designated as the depository for said account. The University shall deposit in said Bond and Interest Sinking Fund Account on or before March 1 and September 1 of each year a sum equal to one hundred thirty-five per cent (135%) of the interest becoming due on the next semiannual interest payment date plus sixty-seven and one half per cent (67½%) of the principal payments becoming due on the next October 1, to be paid from the Illini Union and Health Center Bond Fund, until such time as such funds and investments (valued at the lower of cost or market), and the income and profits realized from any investments thereof are at least equal to the debt service requirements on all then outstanding Bonds for the then current fiscal year plus a debt service reserve in an amount equal to two hundred per cent (200%) of the annual amount to become due in the succeeding fiscal year for the payment of principal of and interest on all Bonds then outstanding and thereafter in a like manner such sums semiannually as may be necessary to meet the then current fiscal year's debt service and to maintain the aforesaid debt service reserve. Said funds shall be held and used for the payment of principal, interest and premium, if any, on the Bonds. For the purpose of this paragraph interest and principal accruing prior to the estimated completion date of the Project and deposited into the Bond and Interest Sinking Fund Account out

of the proceeds of the Bonds or from a Construction Fund Account shall not be deemed to be interest or principal to become due on the Bonds.

After setting aside funds for the payment of Bonds which have matured and for past due interest or interest coupons and for principal, accrued interest and premium, if any, on Bonds called for redemption but not paid, funds of the Bond and Interest Sinking Fund Account in excess of the principal and interest requirements for the next succeeding twelve (12) months may be invested by the depository from time to time by written order of the Comptroller in United States Government securities maturing not more than five (5) years from date of purchase. Funds held for interest and principal payments during the next succeeding twelve (12) months (excluding funds held for the payment of Bonds which have matured and for past due interest or interest coupons and for principal, accrued interest and premium, if any, on Bonds called for redemption but not paid) may be invested by the depository from time to time by written order of the Comptroller in United States Government securities maturing not later than ten (10) days prior to the next interest payment date.

(c) After setting aside all funds at the time required for the purposes specified in paragraph (a) above and all funds required to meet the next succeeding deposit required to be made by paragraph (b) above, into said Bond and Interest Sinking Fund Account, the University shall establish on its books an Improvement and Replacement Reserve to which there shall be credited in each fiscal year commencing with the fiscal year beginning July 1, 1962, the sum of not less than \$25,000 a year. Said Improvement and Replacement Reserve shall be used by the University for the purpose of paying the cost of unusual or extraordinary maintenance or repairs, renewals, replacements, and improvements, and the renovating, purchase or replacements, of furniture and equipment not paid as part of the ordinary and normal operating expenses of the facilities. Funds standing to the credit of said Improvement and Replacement Reserve may be invested by the Comptroller in United States Government securities until such time as funds are needed. In the event that there is any deficiency in the funds required to be deposited semiannually into the Bond and Interest Sinking Fund Account or there is a deficiency in the debt service reserve, as provided in paragraph (b) above, sufficient funds shall be transferred from the Improvement and Replacement Reserve and deposited in the Bond and Interest Sinking Fund Account to eliminate such deficiency.

(d) All funds remaining in said Illini Union and Health Center Bond Fund in any fiscal year after the full debt service reserve prescribed in subsection (b) of this Section has been provided for and after all provisions in subsections (a), (b) and (c) of this section have been met and all deficiencies have been made up, shall be deemed surplus moneys and shall be used for any of the following purposes: (1) for calling and redeeming the outstanding Bonds, which by their terms are redeemable prior to maturity; (2) for purchasing Bonds in the open market, with all unmatured interest coupons thereto attached at the lowest prices reasonably attainable, but not exceeding the amount at which such Bonds at the time are redeemable; (3) for investment by the Comptroller in United States Government securities until such time as funds are needed for other purposes; (4) for unusual or extraordinary repairs, replacements or improvements to the facilities, for which no funds can be properly provided in subsection (a) above or which are in excess of the amount available therefor in the Improvement and Replacement Reserve; and (5) for any lawful purpose as the Board of Trustees may direct.

ARTICLE SIX

APPLICATION OF PROCEEDS OF SALE OF BONDS

SECTION 6.01. *Custody and Application of Bond Proceeds.* The proceeds from the sale of Bonds to be issued from time to time hereunder shall be applied only toward the cost of acquiring, constructing, equipping, enlarging, or improving facilities, all as hereinbefore provided. When received, the part of the purchase price of Bonds representing the interest accrued on Bonds to the date of payment of such purchase price, together with such portion of the proceeds of the Bonds as is determined by the Board of Trustees to be necessary to be so set apart

representing interest and principal, if any, to become due on such Bonds prior to the time the facilities for the account of which such Bonds have been issued become revenue producing and funds become available therefrom, shall be deposited in the Bond and Interest Sinking Fund Account. The remaining part of such purchase price shall be retained by the University and accounted for as a separate fund or funds to be known as a "Construction Fund Account" and such monies shall be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation. The monies in each Construction Fund Account shall be applied only toward the cost of construction in the manner and subject to the terms 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 eighteen (18) months 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 Bond and Interest Sinking Fund Account. Any contract or agreement between the Board of Trustees and any original purchaser of Bonds may provide that any funds remaining in a Construction Fund Account established for the account of any series of Bonds being acquired by such purchaser be applied to the redemption of such Bonds or other Bonds then subject to redemption or to the purchase of Bonds on the open market.

ARTICLE SEVEN

ADDITIONAL COVENANTS OF THE UNIVERSITY

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

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

SECTION 7.02. *Right to Use and Occupancy of the Facilities and Not to Encumber Same.* That it hereby warrants that it has a valid and existing right to the use and occupancy of the facilities and the sites thereof and the right to construct, equip, operate, enlarge, improve, maintain, control and manage the facilities and it, or the State of Illinois, has indefeasible title in fee simple to the sites of the facilities subject only to current taxes not in default; that it will not further encumber said property or the income therefrom and that it will not, while any

Bonds are outstanding hereunder encumber the title to or pledge or agree to pay to others the income from any of the said facilities; that it will within three months after the same shall accrue pay and discharge or cause to be paid and discharged, all lawful claims and demands of mechanics, laborers and others which if unpaid might by law become liens upon the facilities or the sites thereof unless contested in good faith and by appropriate legal proceedings. Any assessment or attempt to assess property shall not be considered an encumbrance within the meaning of this section so long as the University takes proper action to prevent judgment being entered against said property. Nothing contained in this Resolution shall be construed to prevent the University from using any portion of land included in a project site, other than the specific land on which the facilities are located, for any lawful purposes so long as the use and occupancy of the facilities are not impaired.

SECTION 7.03. *To Pay Principal and Interest.* That it will duly and punctually pay or cause to be paid the principal sum and the interest accruing on said principal, on each and every one of the Bonds secured or to be secured hereby, at the dates and places, and in the manner provided in said Bonds, and in the coupons thereunto appertaining, according to the terms thereof.

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

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

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

SECTION 7.07. *Student Service Charges and Rental Rates.* That so long as any Bonds herein authorized to be issued shall remain outstanding it will continuously operate and maintain the facilities, will adopt such rules and regulations and fix and maintain such student service charges, rates, rents, fees, and charges for the use of said facilities, as will assure maximum use of the facilities and will provide revenue sufficient to provide and maintain the aforesaid Bond and Interest Sinking Fund Account and the required reserves therefor, to pay the reasonable cost of operating and maintaining the facilities and to provide and maintain the Improvement and Replacement Reserve, and that it will collect and account for and apply the aforesaid income and revenues in accordance with and as provided by this Resolution.

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, 1961, cause to be prepared and will furnish to the depository and (upon written request therefor) to the holder or

holders of any Bonds, certified reports of audit based on an examination sufficiently complete to comply with generally accepted auditing standards, prepared by a nationally recognized firm of independent public accountants, covering the operations of the facilities for the fiscal year next preceding, and showing the income and expenses for such period. Such audit report shall include a statement in reasonable detail of income from and expense of each separate facility and shall show the student enrollment of the University and the schedule of student service charges. Such audit report shall also include statements of the status of each fund, reserve or account established under the terms of Article Five hereof showing the amount and source of the deposits therein, the amount and purpose of the withdrawals therefrom and the balance therein at the beginning and end of the fiscal year. There will also be included with each audit report a written opinion of the accountant that in making the examination necessary to said audit no knowledge of any default by the University in the fulfillment of any of the terms, covenants, provisions and conditions of this Resolution was obtained, or, if such accountant shall have obtained knowledge of such default a statement of the default or defaults thus discovered and the nature thereof.

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

SECTION 7.11. That as long as the funds and investments of the Bond and Interest Sinking Fund Account are less than the maximum debt service reserve required to be maintained under Section 5.02 (b) of this Resolution, it will procure and maintain Business Interruption Insurance on the Illini Union Building in an amount not less than two years' debt service requirements. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois and all moneys collected on account of loss covered by any such insurance shall be held in trust by the Board of Trustees and credited to the Illini Union and Health Center Bond Fund.

ARTICLE EIGHT

EVENTS OF DEFAULT

SECTION 8.01. *Events of Default.* The University shall be in default herein if one or more of the following events (herein called "events of default") shall happen, to-wit:

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

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

(c) Failure to make due and punctual payment or satisfaction of any payment into the Bond and Interest Sinking Fund Account when and as such payments shall become due and payable as in this Resolution or any resolution supplemental hereto expressed and such default shall have continued for a period of one hundred eighty (180) days;

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

given to the University by the holder of any Bond setting forth the nature of such default.

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

All of the revenues of the facilities including all sums in the Illini Union and Health Center 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 802. 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 NINE

MODIFICATION AND AMENDMENT OF THE RESOLUTION

SECTION 9.01. Amendment by Consent of Bond Holders. This Resolution and the rights and obligations of the University and of the holders of the Bonds and coupons may be modified or amended at any time by resolution supplemental hereto adopted by the Board of Trustees pursuant to the affirmative vote of the holders of sixty-six and two-thirds per cent ($66\frac{2}{3}\%$) 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 9.04, 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 9.02. Bond Holders Meetings. The University may at any time call a meeting of the holders of Bonds. Every such meeting shall be held at such place in the City of Chicago, State of Illinois, as may be specified in the notice calling such meeting. Written notice of such meeting, stating the place and time of the meeting and in general terms the business to be submitted, shall be given by the University 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, and also by similar publication in a financial newspaper published in the Borough of Manhattan in the City and State of New York, the first publication to be not less than thirty (30) nor more than sixty (60) days prior to the meeting; provided, however, that in any case where publication shall be required as herein before set forth the mailing of such notice shall in no case be a condition precedent to the validity of any action taken at any such meeting.

SECTION 9.03. Attendance in Person or by Proxy. Attendance and voting 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 9.03 shall be entitled in person or by proxy to attend and vote at such meeting as holder of the Bonds registered or certified in his name, without producing such Bonds. All others seeking to attend or vote at such meeting in person or by proxy must produce the Bonds claimed to be owned or represented at such meeting, and all persons seeking to attend or vote at such meeting in person or by proxy shall, if required, produce such further proof of Bond ownership or personal identity as shall be satisfactory to the University. All proxies presented at any meeting shall be delivered to the inspectors of votes and filed with the University.

SECTION 9.04. Amendments by Written Consent of Bond Holders. The University may at any time adopt a valid resolution amending the provisions of the Bonds or of this Resolution or of any resolution supplemental hereto, to the extent that such an amendment is permitted by the provisions of Section 9.01, to take effect when and as provided in this Section. A copy of such resolution, together with a request of the University to Bond holders for their consent thereto, shall be mailed by the University to each registered owner of Bonds and notice of the adoption thereof shall be published in the manner provided in Section 9.02 for the mailing and publication referred to in that Section (but failure to mail copies of such resolution and request shall not affect the validity of the resolution when assented to as in this Section provided). Such resolution shall not be effective unless and until there shall have been filed with the University the written consents of the percentage of holders of outstanding Bonds specified in Section 9.01. Each such consent shall be effective only if accompanied by proof of ownership of the Bonds for which such consent is given, which proof shall be such as is permitted by Section 9.03. Any such consent shall be binding upon the holder of the Bonds giving such consent and on any subsequent holder of such Bonds (whether or not such subsequent holder has notice thereof).

SECTION 9.05. Supplemental Resolutions or Amendments Without Consent of Bond Holders. The Board of Trustees may from time to time and at any time, subject to the conditions and restrictions in this Resolution contained, but without requiring the consent of the holders of any of the Bonds, adopt a resolution or resolutions supplemental hereto, which shall thereafter form a part hereof for any one or more or all of the following purposes:

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

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

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

SECTION 9.06. Endorsement of Bonds. Bonds delivered after the effective date of any action taken as provided in this Article Nine may bear a notation by endorsement or otherwise in form approved by the University as to such action, and in that case upon demand of the holder of any Bond outstanding at such effective date and presentation of his Bond for the purpose at the office of the Comptroller of the University a suitable notation shall be made on such Bond by the University as to any such action. If the University shall so deter-

mine, new Bonds so modified as to conform to such action shall be prepared and delivered, and upon demand of the holder of any Bond then outstanding shall be exchanged at the office of the Comptroller of the University, without cost to any Bond holder, for Bonds then outstanding, upon surrender of such Bonds with all unmatured coupons, if any, appertaining thereto.

SECTION 9.07. *Exclusion of Bonds.* Bonds owned or held by or for the account of the University shall not be deemed outstanding for the purpose of any vote or consent or other action or any calculation of outstanding Bonds in this Article provided for, and shall not be entitled to vote or consent or take any other action in this Article provided for.

ARTICLE TEN

MISCELLANEOUS

SECTION 10.01. *Benefits of Bond Holders Limited to Parties.* Nothing in this Resolution, expressed or implied, is intended or shall be construed to confer upon, or to give to, any person, firm or corporation other than the University and the holders of the Bonds and of the coupons outstanding, any right, remedy or claim under or by reason of this Resolution, and any covenants, stipulations, promises and agreements in this Resolution contained by and on behalf of the University shall be for the sole and exclusive benefit of the University and of the holders of Bonds and of the coupons outstanding.

SECTION 10.02. *Successor Is Deemed Included in All References to Predecessor.* Whenever in this Resolution or any resolution supplemental hereto either the University or the paying agent is named or referred to, such reference shall be deemed to include the successors or assigns thereof, and all the covenants and agreements in this Resolution contained by or on behalf of the University shall bind and inure to the benefit of the respective successors and assigns thereof whether so expressed or not.

SECTION 10.03. *Discharge of Resolution.* If all of the outstanding Bonds shall have matured, or shall have been duly called for redemption and the redemption date thereof shall have arrived, and if the University shall have deposited with the depository in trust, funds pursuant to this Resolution sufficient to pay and available for the payment of all amounts due on all Bonds then outstanding, including all principal, interest and redemption premiums, if any, and provision shall also be made for paying all other sums payable hereunder by the University, then, notwithstanding that any Bonds or interest coupons shall not have been surrendered for payment, the pledge of the income provided for in this Resolution and all other obligations of the University under this Resolution shall cease and terminate except as hereinafter in the next succeeding paragraph provided.

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

No Bond or appurtenant coupon shall, after maturity thereof either according to its terms or through call of such Bond for earlier redemption, be deemed to be outstanding provided that moneys in the requisite amount for the payment thereof shall have been deposited with the depository, as trust funds, and are available for payments of such Bond or coupon upon demand.

SECTION 10.04. *Execution of Documents by Bond Holders.* Any request, declaration or other instrument which this Resolution may require or permit to

be signed and executed by Bond holders may be in one or more instruments of similar tenor, and shall be signed or executed by Bond holders in person or by their attorneys-in-fact appointed in writing.

Except as otherwise herein expressly provided, the fact and date of the execution by any Bond holder or his attorney-in-fact of such request, declaration or other instrument or writing appointing such attorney-in-fact may be proved by the certificate of any notary public or other officer authorized to take 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 10.05. *Waiver of Personal Liability.* No officer, agent or employee of the University shall be individually or personally liable for the payment of the principal of or interest on the Bonds; but nothing herein contained shall relieve any such officer, agent or employee from the performance of any official duty provided by law.

SECTION 10.06. *Official Publication.* Any publication to be made under the provisions of this Resolution in successive weeks may be made in each instance upon any business day of the week and need not be made on the same day of any succeeding week nor in the same newspaper for any or all of the successive publications, but may be made in different newspapers.

SECTION 10.07. *Partial Invalidity.* If any one or more of the covenants or agreements, or portions thereof, provided in this Resolution should be contrary to law, then such covenant or covenants, such agreement or agreements or such portions thereof, shall be null and void and shall be deemed separable from the remaining covenants and agreements or portions thereof and shall in no way affect the validity of this Resolution or of the Bonds.

SECTION 10.08. *Headings and Index.* Any headings preceding the texts of the several articles hereof and any table of contents appended to copies hereof shall be solely for convenience of reference and shall not constitute a part of this Resolution, nor shall they affect its meaning, construction or effect.

SECTION 10.09. *Covenants Not to Be Deemed Covenants of Any Present or Future Officer, Agent or Employee of University.* All covenants, stipulations, obligations and agreements of the University contained in this Resolution shall be deemed to be covenants, stipulations, obligations and agreements of the University to the full extent authorized by law and permitted by the Constitution of the State of Illinois, and no covenants, stipulations, obligations or agreements contained herein shall be deemed to be a covenant, stipulation, obligation or agreement of any present or future officer, agent or employee of the University in his individual capacity, and no officer executing the Bonds shall be liable personally on the Bonds or be subject to any personal liability or accountability by

reason of the issue thereof. No officer, agent or employee of the University shall incur any personal liability in acting or proceeding or in not acting or not proceeding in good faith, reasonably and in accordance with the terms of this Resolution and applicable law.

SECTION 10.10. *Resolution Effective on Passage.* This Resolution shall become effective upon its passage.

STATE OF ILLINOIS }
COUNTY OF CHAMPAIGN } 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.

On motion of Mr. Swain, the foregoing resolution was adopted, the vote thereon being: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton; not voting, Mr. Herrick. (Mr. Herrick was temporarily absent from the meeting room when the vote on this resolution was taken. — Secretary's Note.)

Resolution

WHEREAS, Section 7.07 of the Resolution of this Board of Trustees authorizing and providing for the issuance of \$7,950,000 Illini Union and Health Center Bonds, Series A and B of 1960, duly adopted December 21, 1960, provides that the Board of Trustees will adopt such rules and regulations and fix and maintain such student service charges (as defined in said Resolution), rates, rentals, fees, and charges for the use of the facilities referred to therein as will assure maximum use of said facilities and provide revenue sufficient to provide and maintain the Bond and Interest Sinking Fund Account and the required reserves therefor and to pay the reasonable cost of operating and maintaining facilities and to provide and maintain the Improvement and Replacement Reserve; and

WHEREAS, The Board of Trustees of the University of Illinois desires to comply with the above cited provisions and to adopt certain rules and to provide for certain charges applicable to the operation of the facilities;

Now, Therefore, Be It and It Is Hereby Resolved by the Board of Trustees of the University of Illinois that the officers and management of the University be and they are hereby authorized and directed in the operation of the Illini Union and the Health Center buildings to carry out the following rules:

RULE 1. The properties of the Illini Union and the Health Center buildings in the preambles hereof referred to as the "facilities" shall be continuously operated at all times when the University is in session.

RULE 2. Subject to further action of the Board of Trustees the initial student service charge for the use of the facilities shall be \$10.00 per regular school semester and shall be charged to each student enrolled for credit and in attendance on the Urbana Campus of the University (exclusive of students holding staff appointments and those carrying one unit or five hours or less of work) for use of the facilities. Appropriate adjustments of said student service charge may be made for part time students and for the summer session and further adjustment shall be made in said student service charge for the use of said facilities beginning with the fall semester of 1962 when it is estimated that the addition to the Illini Union and the Health Center will be ready for occupancy.

No student shall be admitted to enrollment in any department of the University at the Urbana Campus unless such student service charge shall be first or simultaneously paid or appropriate provision made for such payment.

RULE 3. Insofar as rentals, rates, fees, and other charges are consistent with the maximum use of the facilities, including the cafeteria dining facilities located and to be located in the Illini Union building, such rates and charges to be made in connection therewith shall be from time to time established and maintained as shall result in net income sufficient, together with the student service charges, as will provide revenue sufficient to provide and maintain the Bond and Interest Sinking Fund Account and the required reserves therefor and to pay the reasonable cost of operating and maintaining facilities and to provide and maintain the Improvement and Replacement Reserve.

On motion of Mr. Swain, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton; not voting, Mr. Herrick. (Mr. Herrick was temporarily absent from the meeting room when the vote on this resolution was taken. — Secretary's Note.)

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(11) The Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations from the University General Reserve:

1. Department of Food Technology, purchase of a portable steel-paneled building for the poultry farm.....	\$ 8 000
2. Department of Mining and Metallurgical Engineering, completion of remodeling in the Physics Building and Mining Laboratory.....	4 200
3. Department of Electrical Engineering, moving biophysical laboratory equipment.....	6 000
4. College of Veterinary Medicine, laboratory equipment.....	8 000
5. College of Physical Education, remodeling in Huff Gymnasium for relocation of Department of Recreation offices.....	3 500
6. Physical Plant Department, remodeling Office of Public Information and Vice-President and Provost's Office.....	5 650
7. Physical Plant Department, remodeling conference room in building at 1205 West Oregon Street, Urbana.....	3 200
8. Physical Plant Department, remodeling in Lincoln Hall to provide a research laboratory for Department of Anthropology.....	2 700
9. Physical Plant Department, moving expenses in relocating departments upon reassignment of space.....	6 000
10. Chicago Undergraduate Division, remodeling.....	16 850
<i>Total</i>	<i>\$64 100</i>

I concur.

On motion of Mr. Hughes, 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. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton.

CONTRACT FOR CAMPUS BUS SERVICE

(12) The Board of Trustees authorized a contract with the Champaign-Urbana City Lines, Inc. for a campus bus service for students and staff for a trial period which will expire in January. The experiment has proved successful so far and it is recommended that the Board authorize the extension of this contract for such period and on such terms as are mutually satisfactory, provided that the University's obligation to make up any deficiency in the cost of operation of this service will not exceed the previously authorized figure of \$5,750.

At the request of the President, Director Havens made a report on the bus operations for the period November 14 through December 16, 1960. A copy of this report is being filed with the Secretary of the Board for record.

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

**CONTRACT FOR CONSTRUCTION OF STEAM TUNNEL
UNDER GREEN STREET**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$35,600 to Parro Construction Corporation, 703 East University Avenue, Urbana, Illinois, the lowest bidder, for the construction of an underground steam tunnel crossing Green Street at Goodwin Avenue in Urbana.

Funds are available in an appropriation made for this project by the Board on September 21, 1960.

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. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton.

**CONTRACT AND APPROPRIATION FOR LIGHTNING PROTECTION
SYSTEM IN MEMORIAL STADIUM**

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$3,740 to Thomas Fleming Company, Chicago, the lowest bidder, for construction and improvements in the Memorial Stadium lightning protection system.

The full cost of these improvements, which will have to be borne by the University, including this contract, architectural engineering services, the cost of advertising for bids and insurance, is \$5,500, and an assignment from the University General Reserve is necessary.

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

I recommend award of the contract and an assignment of \$5,500 for this purpose.

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. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton.

**CONTRACT FOR REMODELING FOR DEPARTMENT
OF OPHTHALMOLOGY IN THE RESEARCH
AND EDUCATIONAL HOSPITALS**

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$16,987 to the Mueller Construction Company, Chicago, the lowest bidder, for remodeling of nine rooms in the Research and Educational Hospitals to provide more adequate and modern facilities.

Funds are available in a nonrecurring appropriation made by the Board.

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. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton.

**CONTRACT FOR METAL PARTITIONS IN EAST
DENTISTRY-MEDICINE-PHARMACY BUILDING**

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$4,772 to the E. F. Hauserman Company, Chicago, the lowest bidder, for the installation of metal partitions on the second and third floors of the East Dentistry-Medicine-Pharmacy Building to provide additional office space for the College of Pharmacy.

Funds are available in a nonrecurring appropriation made by the Board.

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. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton.

**CONTRACT FOR LABORATORY FURNITURE FOR FIRST UNIT
OF DENTISTRY-MEDICINE-PHARMACY BUILDING**

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$3,777.65 to the J. J. Lane Equipment Company, Chicago, the lowest bidder, for laboratory furniture for a room in the first unit of the Dentistry-Medicine-Pharmacy Building.

The work will consist of furnishing and installing laboratory furniture as part of the remodeling of Room 505 for the development of a research laboratory for the Department of Anatomy. The room, formerly occupied by the Animal Hospital for storage of animals, was vacated when the Animal Hospital moved into the Medical Research Laboratory Building. The remodeling required and utilities connections for the equipment will be done under a separate contract.

Funds are available in a matching grant received from the National Science Foundation, from a nonrecurring appropriation previously authorized by the Board, and from Department of Anatomy funds.

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. Wilkins, Mr. Williamson; no, none; absent, Mr. Stratton.

**AMENDMENT OF CONTRACT FOR STEAM SERVICE
TO PRESBYTERIAN-ST. LUKE'S HOSPITAL**

(18) The University supplies steam service from the Medical Center Steam Company to Presbyterian-St. Luke's Hospital under a contract with the latter which provides for delivery of steam at one point adjacent to the Presbyterian Nurses' Home on the west side of Hermitage Avenue south of Harrison Street. Steam meters are located in a junction vault at this point from which underground piping delivers the steam to the various hospital buildings. The University and the Steam Company have no responsibility for operation and maintenance of the system beyond the junction vault.

Presbyterian-St. Luke's Hospital is constructing a student apartment building east of Hermitage Avenue and north of Flournoy Street. The location of this building will make it uneconomical to supply steam to it from the junction vault and Presbyterian-St. Luke's Hospital proposes that the steam supply for this new building be taken from a tunnel along Hermitage Avenue south of the junction vault which will require a separate set of meters.

The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of an amendment of the contract with Presbyterian-St. Luke's Hospital for these changes.

I concur.

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

**ADDITION TO CONTRACT FOR ORCHARD DOWNS SITE
WORK AND UTILITIES**

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$18,352.07 in the contract with Kuhne-Simmons Company, Inc., Champaign, assigned to Shapland Construction Company, Champaign, for supervision, for the site work and utilities construction for the Orchard Downs Housing project to increase the size of the water mains in the area, to add a second connection from the supply main, and to add a second meter pit. The National Board of Fire Underwriters has advised that the original plans are not adequate for fire protection, and recommends the changes.

I concur.

On motion of Mr. Herrick, this increase in the contract was authorized.

APPROPRIATION BY THE ATHLETIC ASSOCIATION

(20) The Board of Directors of the Athletic Association has approved an appropriation of \$25,000, or as much thereof as needed, for student grants-in-aid. This amount will be paid to the University of Illinois Foundation at the time the need arises.

Confirmation of this appropriation is requested.

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

INVESTMENT REPORT

(21) Mr. Swain, for the Finance Committee, reported the following changes in investments of trust funds from July 1 through September 30, 1960:

URBANA-CHAMPAIGN**Endowment Funds****Sale**

\$ 30 000	Illinois Service Recognition bonds	1 $\frac{3}{4}$ %	5/1/72	\$ 25 509 00
19 000	U. S. bonds	2 $\frac{3}{4}$ %	6/15/62	18 614 06

Purchase

\$ 25 000	U. S. bonds	2 $\frac{3}{4}$ %	9/15/61	\$ 24 968 75
30 000	Southern California Edison bonds	2 $\frac{7}{8}$ %	2/15/76	25 500 00
12 000	U. S. bonds	3%	8/15/66	10 890 00
1,914 shares	Northern Natural Gas common			55 189 69

Current Funds**Exchange**

\$2 100 000	U. S. notes	4 $\frac{3}{4}$ %	8/15/60 for	
2 100 000	U. S. certificates	3 $\frac{1}{8}$ %	8/1/61	

Purchase

\$ 25 000	U. S. bonds	2 $\frac{3}{4}$ %	9/15/61	\$ 24 968 75
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Report of the Comptroller

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

URBANA-CHAMPAIGN**Construction Funds**

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

Purchase

\$ 156 000	U. S. bonds	2 $\frac{1}{8}$ %	11/15/60	\$ 155 926 88
22 000	U. S. bills		7/15/61	21 466 72

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

Purchase

\$ 385 000	U. S. bills		9/22/60	\$ 384 329 45
33 000	U. S. bills		10/17/60	32 922 06

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

Purchase

\$ 400 000	U. S. bills		10/13/60	\$ 397 700 00
200 000	U. S. bills		12/15/60	197 917 50
230 000	U. S. bills		1/15/61	226 778 98
2 827 000	U. S. certificates	4 $\frac{3}{8}$ %	5/15/61	2 856 153 44
629 000	U. S. bills		3/22/61	618 668 68
101 000	U. S. bills		2/16/61	99 697 49
313 000	U. S. bills		4/15/61	307 405 13

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

Purchase

\$ 66 000	U. S. bills		9/8/60	\$ 65 818 13
10 000	U. S. bills		9/8/60	9 978 61
21 000	U. S. bills		9/15/60	20 973 46

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

Purchase			
\$ 32 000	U. S. bills	8/18/60	\$ 31 958 67
59 000	U. S. bills	9/15/60	58 843 36
41 000	U. S. bills	9/15/60	40 945 28
102 000	U. S. bills	10/13/60	101 665 67
20 000	U. S. bills	10/27/60	19 965 50
30 000	U. S. bills	10/13/60	29 975 08

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

Purchase			
\$ 17 000	U. S. bills	8/18/60	\$ 16 978 04
9 000	U. S. bills	9/15/60	8 976 11
67 000	U. S. bills	10/13/60	66 627 59
33 000	U. S. bills	10/13/60	32 873 50

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

Purchase			
\$ 78 000	U. S. bills	9/15/60	\$ 77 782 38
66 000	U. S. bills	10/20/60	65 905 97

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

Purchase			
\$ 29 000	U. S. bills	9/15/60	\$ 28 919 09
16 000	U. S. bills	10/20/60	15 978 68

Men's Residence Halls Revenue Bonds of 1956, authorized by Board of Trustees resolutions dated March 23, 1956, and September 18, 1956.

Purchase			
\$ 13 000	U. S. bills	9/15/60	\$ 12 963 73
13 000	U. S. bills	10/20/60	12 981 48

Sinking Funds

Peabody Drive Sinking Funds, authorized by Board of Trustees resolution dated October 21, 1959.

Purchase			
\$ 140 000	U. S. bills	9/22/60	\$ 139 825 19

Assembly Hall Sinking Fund, authorized by Board of Trustees resolutions dated June 23, 1959, and July 21, 1959.

Purchase			
\$ 100 000	U. S. bills	9/22/60	\$ 99 835 00

Housing Revenue Bonds of 1959 Sinking Fund, authorized by Board of Trustees resolution dated June 23, 1959.

Purchase			
\$ 25 000	U. S. bills	9/22/60	\$ 24 968 78

Housing Revenue Bonds of 1958 Sinking Fund, authorized by Board of Trustees resolution dated December 17, 1958.

Purchase			
\$ 22 000	U. S. bills	9/15/60	\$ 21 941 18
68 000	U. S. bills	9/22/60	67 936 25
50 000	U. S. bonds	2¾% 9/15/61	49 968 75

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

Purchase			
\$ 141 000	U. S. bills	3/22/60	\$ 139 698 57
70 000	U. S. bills	3/22/60	69 469 87
125 000	U. S. notes	4¾% 8/15/60	125 039 07

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

Purchase			
\$ 86 000	U. S. bills	9/22/60	\$ 85 892 62

Revenue Bonds of 1956 Sinking Fund, authorized by Board of Trustees resolutions dated March 23, 1956, and September 18, 1956.

Purchase					
\$ 67 000	U. S. notes	4½%	5/15/65	\$ 70 098 75	
6 000	U. S. bills		9/22/60	5 992 77	

Revenue Bonds of 1952 Sinking Fund, authorized by Board of Trustees resolution dated February 22, 1952.

Purchase					
\$ 39 000	U. S. bonds	2½%	3/15/70	\$ 35 490 00	

CHICAGO

Construction Funds

Laundry

Purchase					
\$ 5 000	U. S. bills		12/22/60	\$ 4 970 56	

Sinking Funds

Dentistry-Medicine-Pharmacy Building Revenue Bonds—Reserve.

Sale					
\$ 21 500	U. S. bonds	2½%	8/15/63	\$ 21 126 96	

Purchase					
\$ 24 000	U. S. bonds	2½%	2/15/65	23 257 50	

This report was received for record.

PURCHASES

Purchases Authorized

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

Urbana-Champaign Departments

Item	Department	Vendor	Cost
14 patterns made from design drawings	Digital Computer Laboratory	Active Foundry Co., Chicago	\$2 998 30 f.o.b. Chicago
200 castings of various sizes	Digital Computer Laboratory	Malco Manufacturing Co., Chicago	4 849 26 f.o.b. Chicago
800 specially designed terminal boards	Digital Computer Laboratory	Northern Tool & Die Co., Chicago	6 785 50 f.o.b. Chicago
Top and bottom connector frames consisting of:	Digital Computer Laboratory		
16 sets drawing 36 and 37			
64 sets drawing 40 and 41			
6 sets drawing 46 and 47			
14 sets drawing 48 and 49			
Complete frames consisting of 100 of drawing No. 50 in various sizes:			
1600 dowels No. 2076-21			
160 hinge pins No. 2076-19			
40 hinge pins No. 2076-20			
4 drill jigs for frames No. 2076-36 to 2076-49			
One used spray drier for powdered milk, single cyclone type, capacity 100 pounds of power per hour from 40 percent solids	Food Technology	Spencer Milk Products Co., Inc., Spencer, Wis.	4 000 00 f.o.b. Spencer, Wis.

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

Purchases Recommended

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

I concur.

Urbana-Champaign Departments

Item	Department	Vendor	Cost
One laboratory dish and animal cage washer, fully automatic, steam operation, 31 in. wide x 31 in. deep x 65 in. high, five-cycle action, stainless steel, hinged door, with accessory heads	Animal Science	Better Built Machinery Co., New York, N.Y.	\$4 399 00 f.o.b. delivered

Item	Department	Vendor	Cost
One research microscope with combination inclined binocular/monocular body with sliding prism, quintuple nosepiece, three plano and two plan-apochromatic objectives, with accessories for reflected light and photographic operations	Botany	W. H. Kessel & Co., Chicago	\$3 273 30 f.o.b. delivered and installed
One spectrophotometer, near infra-red range, recording complete with accessories	Chemistry and Chemical Engineering	The Perkin-Elmer Corp., Chicago	4 463 00 f.o.b. delivered
One photoelectric reader for punched paper tape, equipped to read at 300 characters per second, and one spares kit	Electrical Engineering	Ferranti Electric, Inc., Hempstead, N.Y.	2 613 75 f.o.b. destination
Additional components for use with Pace Model 16-31-R analog computer including: 50 operational amplifiers 28 attenuators 1 attenuator panel 1 reference group 2 servo multipliers 1 six-channel recorder 1 variplotter 1 digital voltmeter 2 pre-patch panels 170 bottle plugs 170 patch cords 1 function generator kit 1 servo multiplier Plus all related controls, dials, cables, switches, potentiometers, etc.	Electrical Engineering	Electronic Associates, Inc., Long Branch, N.J.	23 285 00 f.o.b. Long Branch, N.J.
One electron magnetic resonance spectrometer X-band, 8.5 to 9.6 KMC/second	Electrical Engineering	Strand Labs, Inc., Newton, Mass.	6 400 00 f.o.b. delivered
Construction of antenna base and catwalk for moon relay antenna on radio telescope site, Vermilion County (the antenna equipment is being moved from the roof of the Electrical Engineering Building to the site of the radio telescope near Danville)	Electrical Engineering	E. S. Moore & Son, Inc., Danville	3 300 00 f.o.b. job site
One chromatograph, gas, with flame detector, transformer, liquid sampler columns, and two alcohol columns	General Chemical Stores	Fisher Scientific Co., Chicago	3 310 00 f.o.b. delivered and installed
One lot laboratory apparatus including hot plates, plastic tubing, pipette rinsers and pans, dropping bottles with pipettes			
One liquid scintillation spectrometer, automatic recording, transistorized, 100 sample capacity, simultaneous counting of two isotopes, dual channel, coincidence system	Microbiology	Packard Instrument Co., Inc., La Grange	12 526 00 f.o.b. delivered
One 4 in. high vacuum pumping system, complete with pumps, gauges, measuring circuitry, trap, radiation cooled baffle, and thermocouple and power leads and seals	Mining and Metallurgical Engineering	NRC Equipment Corp., Newton, Mass.	3 345 87 f.o.b. delivered
One refuse container, 30 cubic yard capacity, for use with refuse disposal equipment operated by the Physical Plant	Housing Division (Men's Residence Halls)	Coleman & Associates, Rockford	2 797 90 f.o.b. delivered
1,122 molded plywood stacking chairs, dining room equipment for SM-3 residence halls	Housing Division (Men's Residence Halls)	S. Buckman Furniture & Supply Co., Spring Valley	15 313 80 f.o.b. delivered
Formica tables and bases as follows: 90, 36 in. x 120 in. 27, 66 in. round 5, 36 in. x 36 in. 2, 36 in. x 72 in.	Housing Division (Men's Residence Halls)	The Howell Co., Division of Acme Steel Co., St. Charles	16 061 06 f.o.b. delivered
Four pocket billiard tables with pocket billiard balls, triangle, cues, bridge and cover	Illini Union	Brunswick Corp., Chicago	3 794 04 f.o.b. delivered and installed

Item	Department	Vendor	Cost
White English finish book paper as follows: 100 reams 25 x 38, 70 pound 100 reams 22½ x 35, 58 pound 250 reams 25 x 38, 50 pound 600 reams 25 x 38, 60 pound 200 reams 22½ x 35, 49½ pound	Office Supply Store	Bradner Smith & Co., Chicago	\$10 964 80 f.o.b. delivered
One airplane and accessories, less trade-in of Model D-35 Beechcraft Bonanza	Institute of Aviation	Elliott Flying Service, Inc., Davenport, Iowa	15 169 50 f.o.b. delivered
Furnish and install guided venetian blinds on 70 openings in the Fine and Applied Arts Building	Physical Plant (Fine and Applied Arts Building)	Mackin Venetian Blind Co., Mokenca	2 932 02 f.o.b. delivered and installed
One container, liquid nitrogen 310 liters—minimum capacity, storage transport, trailer mounted (ICC approved), to be used for campus distribution of liquid nitrogen	Physical Plant	Cryogenic Engineering Co., Denver, Colo.	4 150 00 f.o.b. delivered
Print and bind 1,500 copies of <i>Essays on Accountability</i> , by A. C. Littleton, approximately 704 pages per copy	University Press	Colonial Press, New York, N.Y.	7 828 76 f.o.b. delivered
One liquid scintillation spectrometer with automatic transitorization 100 sample	Chemistry and Chemical Engineering	Packard Instrument Co., Inc., La Grange	12 526 00 f.o.b. delivered
One model PB-250 eight-channel Flexo-writer	Electrical Engineering	Friden, Inc., Peoria	3 180 00 f.o.b. delivered
One radiation detection assembly including a scaler with six decades resolving better than one microsecond; detector deep well type; pulse height analyzer and timer	Microbiology	Tracerlab, Inc., Chicago	3 117 75 f.o.b. delivered
One microdensitometer, automatic recording, double beam, suitable for quantitative tracing of absorption photographs and spectrum analysis	Microbiology	National Instrument Laboratories, Inc., Washington, D.C.	7 008 50 f.o.b. delivered
One spectrophotometer, grating, single beam, manual operation, range 185-100m, with constant temperature assembly and cell	Microbiology	National Instrument Laboratories, Inc., Washington, D.C.	4 555 00 f.o.b. delivered
One ultracentrifuge, with four rotors, to accept 38.5cc, 34cc, 13.5cc, and 5cc, 115-220 volt system	Microbiology	Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.	8 807 00 f.o.b. delivered
One preparative ultracentrifuge with two rotor accessories	Microbiology	Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.	7 478 00 f.o.b. delivered
One centrifuge, refrigerated, large capacity, high speed, complete with two rotors and accessories	Microbiology	Ivan Sorvall, Inc., Norwalk, Conn.	2 763 13 f.o.b. delivered
One electronic stencil scanner	Microbiology	Shay Office Equipment Co., Champaign	2 709 50 f.o.b. delivered
One mimeograph duplicator with cabinet stand			
One fluoroscope			
One low temperature cabinet capable of maintaining temperature between plus 10° F. and minus 70° F. complete with self-contained refrigeration equipment	Zoology	Haskris Co., Chicago	7 434 64 f.o.b. delivered
Printing and binding eight issues (four each year beginning September, 1961) of the <i>Illinois Journal of Mathematics</i> , 1,000 copies per issue, approximately 152 pages per copy	Illinois Journal of Mathematics	Waverly Press, Inc., Baltimore, Md.	28 662 95 f.o.b. delivered
Printing and binding nine issues, beginning January, 1961, of <i>The Illinois Teacher</i> , 1,500 copies per issue, approximately 48 pages per issue	College of Education	Cushing-Malloy, Inc., Ann Arbor, Mich.	3 258 00 f.o.b. delivered
Four library card catalog cabinets complete with tops and leg bases	Library	John E. Sjoström Co., Inc., Philadelphia, Pa.	3 040 00 f.o.b. delivered

Item	Department	Vendor	Cost
Silverplate flatware, tripleplate quality, bright butter finish, for SM-3 residence halls and replacement stock for Central Food Stores:	Housing Division (Men's Residence Halls and Central Food Stores)	International Silver Co., Chicago	\$11 066 99 f.o.b. delivered
755 dozen teaspoons			
7 dozen bouillon spoons			
440 dozen dessert spoons			
535 dozen utility forks			
535 dozen utility knives			
20 dozen salad forks			
3 silver urns			
3 cream pitchers			
3 sugar bowls			
3 silver trays			
China for SM-3 residence halls and replacement stock for Central Food Stores:	Housing Division (Men's Residence Halls and Central Food Stores)	E. A. Hinrichs & Co., Chicago	18 272 81 f.o.b. delivered
265 dozen dinner plates			
450 dozen salad plates			
268 dozen cups			
265 dozen saucers			
35 dozen creamers			
53 dozen sugar bowls			
375 dozen soup nappies			
425 dozen sauce dishes			
3 dozen celery trays			
140 dozen serving trays, stock for SM-3 residence halls	Housing Division (Men's Residence Halls)	L. B. Herbst Corp., Chicago	3 640 00 f.o.b. delivered
160 steel library bookshelf units, 36 in. wide x 9 1/2 in. deep x 84 in. high, for deliveries in January and April, 1961, with the option to purchase an additional quantity of 80 for delivery in July, 1961 (base bid, six months' supply; option, three months' supply)	Office Supply Store	The Interior Steel Equipment Co., Cleveland, Ohio	4 774 40 f.o.b. delivered plus option bid 2 412 80 f.o.b. delivered
145 steel storage cabinets, 36 in. x 18 in. x 78 in., and fifteen 36 in. x 24 in. x 78 in., for deliveries in March and July, 1961, with the option to purchase an additional quantity of 90 for delivery in September, 1961 (base bid, six months' supply; option, three months' supply)	Office Supply Store	All-Steel Equipment, Inc., Aurora	5 531 60 f.o.b. delivered plus option bid 3 119 40 f.o.b. delivered
Laboratory furniture for remodeling in Noyes Laboratory of Chemistry consisting of seven center laboratory benches (six 4 ft. 6 in. wide x 22 ft. 9 in. long and one 4 ft. 6 in. wide x 13 ft. 6 in. long), 13 sinks, one work table, two wall mounted counters, one "L" shaped work table and counter combination	Physical Plant	Walrus Manufacturing Co., Decatur	15 952 13 f.o.b. delivered
One four-door, nine-passenger station wagon	Institute of Aviation	Rogers Chevrolet Co., Rantoul (Chevrolet)	2 284 47
Two pickup trucks, cab and chassis only, one-half-ton capacity	Physical Plant	Courtesy Motor Sales, Inc., Chicago (Ford)	2 984 00
One van truck, one-half-ton capacity		University Ford Sales, Champaign	3 250 00
To replace vehicles in the University fleet		one van truck	All prices are f.o.b. delivered
Builder's risk insurance under a completed value form on an estimated \$4,500,000 insurable cost of construction for the addition to the Illini Union Building; insurance is to be carried for an estimated two years during the course of construction, with a total premium for the two years estimated at \$7,704, of which \$3,852 will be payable the first year	Physical Plant	Roby Insurance Agency, Decatur, representing the Freeport Insurance Co. D. L. Powell, Chicago, representing the Employers Mutual Casualty Co.	5 791 50 1 912 50 (7 704 00)

Chicago Colleges and Divisions

50,000 acetazolamide tablets, 250 mg. (three months' supply)	Pharmacy	Lederle Laboratories, Chicago	2 611 70 delivered
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On motion of Mr. Johnston, these purchases were authorized.

COMPTROLLER'S REPORT OF CONTRACTS

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

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
The Committee of Concrete Reinforcing Bar Producers of the American Iron & Steel Institute	Behavior of high-strength deformed reinforcing bars under rapid rates of loading	\$15 000 00	November 8, 1960
Kewanee Machinery & Conveyor Co.	Elevators for filling vertical silos	3 000 00	August 25, 1960
Mark L. Morris Animal Foundation	Acute pancreatitis in the dog	2 880 00	November 14, 1960
United States Army DA19-129QM-1709 (OI 5026)	Influence of tomato constituents on flavor of irradiated meat	14 200 00	November 7, 1960
United States Department of Agriculture 12-14-100-5742(41)	Develop methods for utilizing electronic computers for the solution of selected soil moisture transport equations	34 392 00	October 25, 1960
United States Navy Nonr-1834(36)	Factors in group interaction	75 754 00	September 15, 1960
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Wolf Run Union Drainage District	Annual maintenance assessment (Allerton Farms)	\$ 103 10 (annually)	November 4, 1960

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Harry Poleté	Property located on the N. 131.005 acres of the NW $\frac{1}{4}$ of Section 31, Township 19 N. of the 3rd Principal Meridian	\$ 23 00 per month (April 15, 1960, to April 14, 1961)	July 9, 1960
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Harvester Co.	Rental of tread crawler tractor, bulldozer, and diverter valve and tubing group	\$ 2 248 15 (annually)	November 10, 1960
MacCarthy Ford Tractor Sales, Inc.	Rental of frame, control attachment, blade, valve and skid shoes	37 23 (annually)	October 24, 1960
University of Illinois Foundation	Purity Baking property at 1112 West Main Street, Urbana	700 00 (annual rental)	October 13, 1960

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Merck & Co., Inc.	Growth stimulants for swine	\$ 3 000 00	October 6, 1960
United States Air Force AF 19(604)4940	Analysis of severe thunderstorms	40 825 00	October 28, 1960
United States Army DA-11-022-ORD-1175	Alloys of the transition elements	169 995 00	November 22, 1960
United States Atomic Energy Commission AT (11-1)-67 Project No. 3	Mechanism of substitutional diffusion in metals	64 336 00	October 28, 1960
United States Atomic Energy Commission AT (11-1)-691	Radiation chemistry and chemical kinetics	28 861 00	October 31, 1960
United States Atomic Energy Commission AT (11-1)-833	Atomic energy research and development	35 501 00	October 28, 1960
United States Navy Nonr-1834(19)	Properties of dielectric and semi-conducting solids	24 000 00	October 17, 1960
United States Navy Nonr-1834(21)	Artificial intelligence computers	65 000 00	July 31, 1960
United States Navy Nonr-1834(29)	Techniques and instrumentation for measuring acoustic attenuation	14 033 50	September 21, 1960

Adjustments Made in 1960-61 Cost-Plus Contract

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Eleven items: \$30.00 to \$211.00	\$ 737 00	October and November, 1960

This report was received for record.

REPORT OF GIFTS AND FUNDS RECEIVED FROM OUTSIDE SOURCES

(24) Following is a report of gifts, grants, and contract funds received by the University from outside sources during the fiscal year July 1, 1959, through June 30, 1960. This report includes funds from private donors and funds received from governmental agencies and covers all payments received during the fiscal year. In many cases a period of several months elapses between the time an offer is received and accepted and final payment is made.

In a number of cases, grants and gifts were previously reported to the Board when the offers were received, and likewise the Comptroller's monthly reports include numerous research contracts for which funds had not been received at the time of reporting. These are being included here in order to present a complete report of all funds received from outside sources during the fiscal period.

The contracts have all been properly executed by the Secretary and the Comptroller of the Board. All gifts and grants reported here have been accepted and duly acknowledged by the President or other appropriate University officer with an expression of appreciation on behalf of the University and the Board of Trustees.

Colleges and Schools at Urbana-Champaign

Undergraduate Scholarships

1. Aerojet-General Corporation, Azusa, California: scholarship in ceramic engineering, academic years 1959-60 and 1960-61.....\$ 1 000 00
2. Alcoa Foundation, Pittsburgh, Pennsylvania: scholarships in ceramic engineering, academic year 1960-61..... 625 00
3. Mr. Robert Allerton, Koloa, Kauai, Hawaii: for the Allerton American Traveling Scholarship in Architecture..... 1 000 00
4. Allstate Foundation, Skokie: scholarships (thirty-five scholarships, \$75.00 each) plus \$975.00 for cost of administration for extramural classes for driver education teachers conducted by the Division of University Extension..... 3 500 00
5. American Air Filter Company, Inc., Herman Nelson Division, Moline: scholarships in engineering, academic year 1960-61..... 725 00
6. American National Bank and Trust Company, Chicago: for the Illinois Club of the School of Banking Scholarship, College of Commerce and Business Administration..... 300 00
7. American Society for Metals Foundation for Education and Research: scholarship in metallurgical engineering, academic year 1959-60..... 500 00
8. Archer-Daniels-Midland Company, Minneapolis, Minnesota: scholarships in chemistry and chemical engineering, academic year 1960-61 500 00
9. Armstrong Cork Company, Inc., Lancaster, Pennsylvania: tuition and fees scholarship, academic year 1959-60..... 260 00
10. Mr. F. R. Baier, Chicago: for the Dean Thomas Arkle Clark Memorial Scholarship Fund..... 700 00
11. Barber-Colman Foundation, Rockford: scholarships in engineering, academic year 1959-60..... 6 400 00
12. Bay State Abrasive Products Company, Westboro, Massachusetts: scholarships in ceramic engineering..... 1 000 00
13. Bendix Aviation Corporation, Detroit, Michigan: scholarships in ceramic engineering, academic years 1959-60 and 1960-61..... 1 060 00
14. Campus Chest, University of Illinois undergraduate fund-raising organization: scholarships 3 045 00
15. Carrier Foundation, Inc., Syracuse, New York: scholarship in engineering..... 750 00
16. Ceco Steel Products Corporation, Chicago: scholarships in engineering, academic year 1961-62..... 1 000 00

17. Challenge Stamping and Porcelain Company: scholarships in ceramic engineering	200 00
18. Chemstrand Corporation, Decatur, Alabama: scholarships in chemical engineering, academic years 1959-60 and 1960-61.....	1 000 00
19. Chicago Farmers: scholarship for a senior in agriculture.....	500 00
20. Chicago Illinae Club, Chicago: scholarships.....	220 00
21. Chicago Illiniweks: scholarship, academic year 1959-60.....	50 00
22. Chicago Title and Trust Company Foundation, Chicago: scholarships in law.....	5 000 00
23. Columbian Enameling and Stamping Company, Inc., Terre Haute, Indiana: scholarship in ceramic engineering.....	500 00
24. Mr. Warren E. Compton, St. Louis, Missouri: for the Bertha L. Compton Memorial Scholarship.....	50 00
25. Consolidation Coal Company, Library, Pennsylvania: scholarship in chemical engineering, academic year 1960-61.....	500 00
26. Continental Grain Company, New York, New York: for the Fribourg Scholarships in Agriculture.....	1 000 00
27. Corn Products Company, Chicago: scholarships in engineering and physical science, academic year 1959-60.....	2 400 00
28. Crossley Associates, Inc., Chicago: scholarship in engineering...	250 00
29. Dads Association, University of Illinois: scholarships.....	1 500 00
30. Douglas Aircraft Company, Inc., Santa Monica, California: scholarship in engineering, academic year 1960-61.....	750 00
31. Dow Chemical Company, Midland, Michigan: scholarship in metallurgy, academic year 1960-61.....	500 00
32. Federal Land Bank of St. Louis and the various Federal Land Bank Associations in Illinois: two \$500 scholarships in agriculture, academic year 1960-61.....	1 000 00
33. Ferro Corporation, Cleveland, Ohio: scholarships in ceramic engineering.....	1 000 00
34. Foundry Educational Foundation, Cleveland, Ohio: scholarships for students in mechanical engineering with special interest in foundry work	1 325 00
35. Fusite Corporation, Cincinnati, Ohio: scholarships in ceramic engineering.....	500 00
36. Galesburg Builders Supply, Galesburg: for the Harry H. Gunther Scholarship.....	500 00
37. General Motors Corporation, Detroit, Michigan: scholarship awards under the General Motors College Scholarship Program, academic year 1959-60.....	12 300 00
38. A. P. Green Fire Brick Company, Mexico, Missouri: scholarships in ceramic engineering.....	500 00
39. Mr. Joseph Harrington, Jr., of Arthur D. Little, Inc.: for the Dunlap-Harrington Scholarship	50 00
40. Harrison Jules Louis Frank and Leon Harrison Frank Memorial Corporation, Detroit, Michigan: scholarship in electrical engineering.....	500 00
41. Harshaw Chemical Foundation: scholarships in ceramic engineering.....	500 00
42. Friends and business associates of the late Philip Crane Hewett, of the Cincinnati Milling Machine Company, Cincinnati, Ohio, and an alumnus of the University of Illinois: for the Philip Crane Hewett Memorial Scholarship in Engineering.....	1 176 00
43. Illinois Congress of Parents and Teachers, Springfield: two scholarship funds, one in any field of teacher training (\$4,250.00) and one in preparation to teach exceptional children (\$2,500.00).....	6 750 00
44. Illinois Farm Supply Company, Chicago: to establish the Fred C. Herndon Agricultural-Industries Scholarship-Fellowship Fund...	15 000 00
45. Illinois Health Improvement Association: scholarship in health education.....	300 00
46. Illinois Mining Institute, Urbana: scholarships in mining engineering.....	1 500 00
47. Illinois State Federation of Labor and Congress of Industrial Organizations, Chicago: scholarships.....	1 000 00

48. Illinois State Restaurant Association, Springfield: scholarship in restaurant management	300 00
49. Ingram-Richardson, Inc., Frankfort, Indiana: scholarships in ceramic engineering	1 000 00
50. International Nickel Company, Inc., Chicago: scholarship	500 00
51. International Telephone and Telegraph Corporation, New York, New York: four scholarships, academic year 1959-60	3 000 00
52. Junior Women's Advertising Club of Chicago: three scholarships in journalism	600 00
53. Kennecott Copper Corporation, New York, New York: scholarship in chemical engineering	1 000 00
54. David Kinley Educational Foundation, Barrington: scholarship in the College of Commerce and Business Administration	1 500 00
55. Kroger Company, Cincinnati, Ohio: six scholarships in agriculture and home economics	1 500 00
56. James F. Lincoln Arc Welding Foundation, Cleveland, Ohio: two scholarships in civil engineering	500 00
57. Lions Clubs in the Chicago area: scholarships for students training to teach handicapped children	3 000 00
Mount Greenwood Lions Club, Chicago	\$ 500 00
South East Lions Club, Chicago	500 00
Englewood Lions Club, Chicago	250 00
Triangle Lions Club, Chicago	250 00
East Side Lions Club, Chicago	250 00
Forest Lions Club, Forest Park	250 00
Mount Prospect Lions Club, Mount Prospect	250 00
Elk Grove Lions Club, Elk Grove Village	250 00
Uptown Lions Club, Chicago	500 00
58. Magnavox Foundation, Fort Wayne, Indiana: scholarships, academic year 1959-60	3 000 00
59. Mr. Freeman D. Marti, Baltimore, Maryland: to add to the Wensel Morava Scholarship Endowment Fund	600 00
Mr. Marti was the beneficiary of a scholarship from this endowment and while not obligated to do so has chosen to repay this to the fund.	
60. Men's Residence Halls Association of the University of Illinois: for the Calvin S. Sifferd — MRHA Scholarship	305 20
61. Mississippi Valley Structural Steel Co., Decatur: scholarship in architectural engineering	1 200 00
62. Monsanto Chemical Company, Research and Engineering Division, St. Louis, Missouri: scholarships in chemical engineering, academic years 1959-60 and 1960-61	1 000 00
63. Colonel Robert H. Morse Foundation, Chicago: six scholarships in engineering	3 000 00
64. Mothers Association, University of Illinois: four scholarships	325 00
65. Motorola, Inc., Chicago: for the Paul V. Galvin Memorial Scholarships	12 600 00
66. National Aluminate Corporation, Chicago: scholarship in engineering, academic year 1959-60	416 65
67. National Merit Scholarship Corporation, Evanston: scholarships, academic year 1959-60	2 775 00
In recognition of National Merit Scholars enrolled at the University of Illinois, the sponsors of National Merit Scholarships are giving these supplementary grants for scholarship assistance to students who were not Merit Scholars.	
68. National Secretaries Association, Champaign-Urbana Chapter: scholarships	150 00
69. Nonacademic Employees Council, University of Illinois, Urbana: scholarship for a son or daughter of a nonacademic employee at Urbana	250 00
70. Ohmite Manufacturing Company, Skokie: scholarship in ceramic engineering	500 00
71. Old Ben Coal Corporation, Chicago: scholarships in mining engineering, academic year 1959-60	1 500 00

72. Owens-Corning Fiberglas Corporation, Toledo, Ohio: scholarships in engineering, academic year 1959-60.....	1 000 00
73. Owens-Illinois Glass Company, Toledo, Ohio: scholarship in engineering, academic year 1959-60.....	2 450 00
74. Pennsylvania Glass Sand Corporation, Pittsburgh, Pennsylvania: scholarship in ceramic engineering.....	554 00
75. Pi Kappa Lambda Music Fraternity: for the F. B. Stiven Memorial Scholarship in Music.....	661 50
76. Presser Foundation, Philadelphia, Pennsylvania: scholarships in music.....	400 00
77. Procon, Incorporated, Des Plaines: scholarship in engineering....	500 00
78. Ralston Purina Company, St. Louis, Missouri: scholarship in agriculture, 1959-60.....	500 00
79. Scully-Jones Foundation, Chicago: scholarship in engineering...	300 00
80. Sears-Roebuck Foundation, Chicago: scholarships in agriculture (\$3,625.00) and home economics (\$800.00), academic year 1959-60.....	4 425 00
81. Estates of Gretchen Johanna Schilling and Paul Charles Schilling: to add to the endowment fund, income to be used for scholarships.....	10 061 00
82. Alfred P. Sloan Foundation, New York, New York: annual stipends for five scholarships for a two-year period beginning with the academic year 1959-60 and for five scholarships for a two-year period beginning with the academic year 1960-61.....	6 700 00
83. Square "D" Company, Detroit, Michigan: scholarships in engineering.....	800 00
84. Mr. Frank Stewart, Urbana: scholarship, academic year 1959-60.....	300 00
85. Student Organizations, University of Illinois: scholarships, academic year 1960-61.....	2 500 00
86. Student Senate, University of Illinois: scholarships.....	500 00
87. Tee-Pak Foundation, Chicago: scholarship, academic year 1959-60.....	500 00
88. Texaco, Inc., New York, New York: scholarship, academic year 1960-61.....	1 200 00
89. Union Carbide Educational Fund, New York, New York: scholarship in engineering, academic year 1959-60.....	1 800 00
90. United States Rubber Company, New York, New York: scholarships, academic year 1960-61.....	3 100 00
91. Universal Oil Products Company, Des Plaines: scholarships in chemical engineering.....	1 500 00
92. Various donors: for the Raymond Torr Memorial Scholarship in Journalism.....	213 00
93. Various donors: for the Undergraduate Scholarship Fund.....	268 80
Mr. and Mrs. T. E. Lunt, Jr., Rochester, New York.....\$ 10 00	
Mr. William B. Rudy.....8 80	
Student Organizations, University of Illinois.....250 00	
94. Vitreous Steel Products Company, Cleveland, Ohio: scholarships in ceramic engineering.....	500 00
95. Western Electric Company, Chicago: scholarships in engineering, academic year 1959-60.....	1 200 00
96. Westinghouse Electric Corporation, Baltimore, Maryland: for the Westinghouse Air Arm Scholarships, academic year 1959-60.....	1 500 00
97. Zeta Tau Alpha Foundation, Evanston: scholarship to a woman student in journalism in honor of Shirley K. Strout.....	250 00
<i>Total, Undergraduate Scholarships.....</i>	<i>\$164 891 21</i>

Scholarships and Fellowships

98. Charles J. Merriam, Chicago: endowment of scholarships and fellowships in political science, in memory of his father, the late Charles E. Merriam, Professor of Political Science at the University of Chicago.....	\$ 55 306 50
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Miscellaneous Awards and Other Financial Aids to Students

99. American Society for Metals, Chicago: to the Department of Mining and Metallurgical Engineering for assistance to a student or students of metallurgy.....	\$ 100 00
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100. Anonymous donor: for the Fred B. Seely Award in Engineering Mechanics.....	100 00
101. Bradley and Bradley, Inc., Rockford: for an award to a student in architecture.....	100 00
102. French Government: to the Department of French to assist outstanding students in their studies of French.....	200 00
103. General Atomic, Division of General Dynamics Corporation, San Diego, California: for assistance to students in the nuclear engineering program.....	500 00
104. Kivett and Meyers and McCallum, Kansas City, Missouri: an award to a student in architecture.....	100 00
105. Maywood Park Trotting Association, Inc., Chicago: for awards to students in the College of Veterinary Medicine.....	1 025 00
106. Various donors: to add to the James Webb Young Fund for Education in Advertising.....	7 814 10
107. Various donors: contributions received by the Dean of Women for the Women Students Aid Fund.....	4 641 38
108. Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey: for the honors program.....	50 00
<i>Total, Miscellaneous Awards and Other Financial Aids to Students.....</i>	
	\$14 630 48

Student Loans

109. Estate of Mrs. Alma Escher: for the Gertrude Escher Loan Fund.....	\$ 3 437 99
110. Bryn Mawr Parent-Teacher Association, Chicago: to establish a student loan fund as a memorial to the late Marcia Lome Kritchevsky, an alumna of the University of Illinois who served on the Bryn Mawr Parent-Teacher Association Board.....	2 564 00
111. Dr. and Mrs. Arthur L. Ennis, Decatur: for the Dr. and Mrs. Arthur L. Ennis Student Loan Fund.....	300 00
112. Illinois Congress of Parents and Teachers, Springfield: for the student loan fund.....	1 000 00
113. Mr. Lawrence Rogers, Chicago: for a loan fund for students in architecture.....	400 00
114. Estates of Gretchen Johanna Schilling and Paul Charles Schilling: to add to the student loan fund.....	10 061 07
115. Henry Strong Educational Foundation, Chicago: for a student loan fund.....	15 000 00
116. Tile Council of America, Inc., New York, New York: for student loans.....	500 00
<i>Total, Student Loans.....</i>	
	\$33 263 06

Funds for Graduate Fellowships and Research

117. Abbott Laboratories, North Chicago.....	\$ 3 800 00
Roger Adams Fellowship in Chemistry, academic year 1960-61.....	
	\$ 2 800 00
Fellowship in physiology, academic year 1959-60.....	
	1 000 00
118. Allegheny Ludlum Steel Corporation, Brackenridge, Pennsylvania: fellowship in physics, academic year 1959-60.....	4 000 00
119. Allied Chemical Corporation.....	4 586 00
Nitrogen Division, Hopewell, Virginia: fellowship in chemistry.....	
	\$ 2 536 00
Plastics and Coal Chemicals Division, New York, New York: fellowship in chemistry.....	
	2 050 00
120. American Cyanamid Company, New York, New York: fellowship in chemistry, academic year 1960-61.....	2 960 00
121. American Dairy Association: fellowship in food technology, academic year 1959-60.....	1 500 00
122. American Society for Testing Materials, Philadelphia, Pennsylvania: fellowship in civil engineering.....	6 500 00
123. Amoco Foundation, New York, New York: fellowship in chemical engineering, academic years 1959-60 and 1960-61.....	5 000 00
124. Armco Steel Corporation, Middletown, Ohio: fellowship in ceramic engineering, academic year 1959-60.....	2 200 00

125. Autoclave Engineers, Inc., Erie, Pennsylvania: fellowship in chemical engineering	2 400 00
126. Automotive Safety Foundation, Washington, D.C.: fellowships in civil engineering, academic years 1959-60 and 1960-61.....	4 000 00
127. Bell Telephone Laboratories, New York, New York: tuition, fees, and other costs in connection with a Bell Telephone Laboratories' fellowship awarded by Bell.....	2 000 00
128. Bendix Aviation Corporation, Detroit, Michigan: fellowship in engineering, academic year 1959-60.....	3 000 00
129. California Company, New Orleans, Louisiana.....	2 534 00
Tuition and fees for 1959-60 fellowship in geology...\$ 534 00	
Fellowship in civil engineering.....	2 000 00
130. Campbell Soup Company, Camden, New Jersey.....	7 000 00
Fellowship in plant sciences, academic year 1960-61...\$ 3 500 00	
Fellowship in food technology, academic year 1960-61... 3 500 00	
131. Chicago Bridge and Iron Foundation, Chicago: assistantship in civil engineering	7 000 00
132. Ciba Pharmaceutical Products Inc., Summit, New Jersey: post-doctoral fellowship in physiology, academic year 1959-60.....	3 000 00
133. Collins Radio Company, Cedar Rapids, Iowa: fellowship to a member of the electrical engineering teaching staff, academic year 1959-60.....	1 500 00
134. Commonwealth Fund, New York, New York: senior scientist postdoctoral fellowship in psychology, academic year 1959-60.....	17 040 00
135. Consolidation Coal Company, Research and Development Division, Library, Pennsylvania: fellowship in chemical engineering, academic year 1960-61.....	2 450 00
136. Continental Oil Company, Ponca City, Oklahoma: fellowship in mathematics, academic year 1959-60.....	3 000 00
137. Corning Glass Works Foundation, Corning, New York: fellowship in physics, academic year 1959-60.....	3 536 00
138. Dr. and Mrs. Karl M. Dallenbach: for the John Wallace Dallenbach Fellowship in Psychology.....	10 000 00
139. Dow Chemical Company, Midland, Michigan: fellowships in chemistry (\$2,500) and chemical engineering (\$2,500), academic year 1960-61.....	5 000 00
140. E. I. du Pont de Nemours and Company, Inc., Wilmington, Delaware: postgraduate teaching assistantship in chemistry.....	2 900 00
141. Eastman Kodak Company, Rochester, New York.....	15 094 00
Fellowship in chemistry, academic year 1960-61.....\$ 3 710 00	
Fellowship in business, academic year 1959-60..... 4 200 00	
Fellowship in chemical engineering..... 2 000 00	
Fellowship in physics, academic year 1959-60..... 3 184 00	
Fellowship in engineering, academic year 1959-60..... 2 000 00	
142. Esso Research and Engineering Company, Linden, New Jersey... 14 034 00	
Fellowship in civil engineering, academic year 1959-60...\$ 3 584 00	
Fellowship in chemistry, academic year 1959-60..... 6 500 00	
Fellowship in physics, academic year 1959-60..... 3 950 00	
143. Ethyl Corporation, Detroit, Michigan: fellowship in chemistry, academic year 1959-60.....	2 950 00
144. Firestone Tire and Rubber Company, Akron, Ohio: fellowships in chemistry and chemical engineering, academic years 1959-60 and 1960-61	3 550 00
145. Ford Foundation, New York, New York.....	78 106 00
Two fellowships in the Foundation's program of economic development and administration.....\$ 6 106 00	
Two fellowships to members of the faculty of the College of Commerce and Business Administration to enable them to attend the Institute of Basic Mathematics for Application to Business over a period of approximately twelve months.....	17 000 00
Fellowships in engineering.....	55 000 00
146. Mrs. Therese Garner, Claremont, California: for the James W. Garner and Therese Garner Fellowships in Political Science.....	24 665 50

147. General Dynamics Corporation: fellowship in physics, academic year 1960-61	4 000 00
148. General Electric Foundation, Ossining, New York:	19 595 00
Fellowship in ceramic engineering, academic year 1959-60	\$ 2 934 00
Fellowship in chemistry, academic year 1959-60	4 034 00
Fellowship in finance, academic year 1959-60	4 034 00
Fellowship in electrical engineering, academic year 1959-60	3 634 00
Fellowship in physics, academic year 1959-60	3 684 00
General Electric Competitive Graduate Fellowship	1 275 00
149. General Foods Fund, Inc., New York, New York: two fellowships in home economics	7 000 00
150. Gulf Research and Development Company, Pittsburgh, Pennsylvania: fellowship in physics, academic year 1959-60	2 684 00
151. Haloid Xerox Inc., Rochester, New York: fellowship in solid state physics, academic year 1960-61	2 600 00
152. Hewlett-Packard Company, Palo Alto, California: instructor-fellowship in electrical engineering	2 500 00
153. Illinois Clay Products Company, Joliet: fellowship in geology, academic year 1959-60	4 000 00
154. Illinois Consumer Finance Association, Chicago: fellowship in marketing	1 500 00
155. Illinois Production Credit Association: fellowship in agricultural economics, academic year 1959-60	390 00
156. Inland Steel-Ryerson Foundation, Inc., Chicago: fellowship in mining and metallurgical engineering, academic year 1959-60	3 600 00
157. International Business Machines Corporation, Poughkeepsie, New York	4 668 00
Fellowship in data processing	\$1 984 00
Fellowship in physics	2 684 00
158. International Nickel Company, Inc., New York, New York: fellowship in mathematics, academic year 1959-60	4 000 00
159. Johnson and Johnson, New Brunswick, New Jersey: for the Roger Adams Fellowship in Organic Chemistry, academic year 1959-60	2 500 00
160. Kaiser Aluminum and Chemical Corporation, Oakland, California: fellowships in architecture, academic years 1959-60 and 1960-61 ..	5 250 00
161. Koppers Foundation, Pittsburgh, Pennsylvania: two fellowships in chemistry for teaching assistants, summer 1960	1 200 00
162. Lead Industries Association, New York, New York: two fellowships in ceramic engineering, academic year 1959-60	6 000 00
163. Eli Lilly and Company, Indianapolis, Indiana: fellowship in organic chemistry, academic year 1960-61	2 500 00
164. Lubrizol Foundation, Cleveland, Ohio: fellowship in chemistry, academic year 1960-61	3 000 00
165. Minneapolis-Honeywell Regulator Company, Minneapolis, Minnesota: fellowship in engineering or the physical sciences, academic year 1960-61	2 500 00
166. Minnesota Mining and Manufacturing Company, St. Paul, Minnesota: fellowships in chemistry, chemical engineering, and physics, academic years 1959-60 and 1960-61	12 200 00
167. Monsanto Chemical Company, St. Louis, Missouri: two fellowships, one in organic chemistry and one in chemistry (other than organic) or chemical engineering (\$2,650 each), academic year 1959-60; one fellowship in chemical engineering (\$2,650), academic year 1960-61; one fellowship in chemical engineering (\$650), 1959 and 1960 summer sessions	9 250 00
168. National Lead Company	4 400 00
Baroid Division, Houston, Texas: fellowship in geology, academic year 1960-61	\$ 2 400 00
National Lead Company, Niagara Falls, New York: fellowship in ceramic engineering, academic year 1960-61	2 000 00

169. Northern Illinois Gas Company, Aurora: fellowship in the Master of Business Administration Program in the College of Commerce and Business Administration.....	500 00
170. Edward Orton, Jr. Ceramic Foundation, Columbus, Ohio: two fellowships in ceramic engineering, academic year 1959-60.....	3 600 00
171. Owens-Corning Fiberglas Corporation, Newark, Ohio: fellowships in ceramic engineering.....	1 700 00
172. Parke, Davis, and Company, Detroit, Michigan: fellowship in chemistry, academic year 1959-60.....	2 250 00
173. Charles Pfizer and Company, Inc., Brooklyn, New York: fellowship in organic chemistry, academic year 1959-60.....	2 000 00
174. Phillips Petroleum Company, Bartlesville, Oklahoma: fellowship in chemistry, academic year 1959-60.....	2 500 00
175. Procter and Gamble Company, Cincinnati, Ohio.....	6 510 00
Fellowship in chemistry, academic year 1960-61.....	\$ 3 860 00
Fellowship in chemical engineering, academic year 1960-61.....	2 650 00
176. Radio Corporation of America, Princeton, New Jersey: fellowship in electrical engineering, academic year 1959-60.....	3 384 00
177. Raymond Concrete Pile Company, New York, New York: the Raymond Concrete Pile Company Fellowship, memorial to A. E. Cummings, academic year 1959-60.....	2 100 00
178. Raytheon Manufacturing Company, Waltham, Massachusetts: fellowship in physics, academic year 1959-60.....	2 850 00
179. Katharine L. Sharp Fellowship Fund: fellowship in library science.....	600 00
180. Shell Companies Foundation, Inc., New York, New York: two fellowships, one in chemical engineering (\$2,636) and one in geology (\$3,036), academic year 1959-60.....	5 672 00
181. Sinclair Research Laboratories, Inc., New York, New York: fellowship in organic chemistry, academic year 1960-61.....	2 500 00
182. Alfred P. Sloan Foundation, Inc., New York, New York: fellowships in engineering, academic year 1960-61.....	3 750 00
183. Socony Mobil Oil Company, Inc., Brooklyn, New York: fellowship in chemistry and chemical engineering, academic year 1960-61.....	3 206 00
184. Standard Oil Foundation, Inc., Chicago: fellowship in chemistry and chemical engineering, academic year 1960-61.....	3 000 00
185. Sun Oil Company, Marcus Hook, Pennsylvania: fellowship in chemistry, academic year 1959-60.....	3 350 00
186. Television Shares Management Corporation, Chicago: fellowship in engineering, academic year 1959-60.....	2 000 00
187. Texas Instruments, Incorporated, Dallas, Texas: fellowship in physics, academic year 1960-61.....	2 666 00
188. Toms River-Cincinnati Chemical Corporation, Cincinnati, Ohio: fellowship in chemistry and chemical engineering, academic year 1959-60.....	1 984 00
189. Toni Company, Division of the Gillette Company, Chicago: fellowship in chemistry, academic year 1959-60.....	4 000 00
190. Trane Company, LaCrosse, Wisconsin: fellowship in mechanical engineering, academic year 1960-61.....	2 000 00
191. Union Carbide Corporation.....	13 870 00
Union Carbide Metals Company, New York, New York: fellowship in mining and metallurgical engineering, academic year 1959-60.....	\$ 3 300 00
National Carbon Company, Cleveland, Ohio: fellowship in physics, academic year 1959-60.....	3 284 00
Union Carbide Plastics Company, Bound Brook, New Jersey: fellowship in chemistry, academic year 1959-60.....	3 650 00
Visking Company, Chicago: fellowship in chemical engineering, academic year 1959-60.....	3 636 00
192. United States Rubber Company, Wayne, New Jersey: fellowship in chemistry, academic year 1959-60.....	1 750 00
193. United States Steel Foundation, Inc., New York, New York: fellowship in physics, two-year period beginning September, 1959..	7 200 00

194.	Universal Match Corporation, St. Louis, Missouri: fellowship in chemistry, academic year 1959-60.....	2 500 00
195.	Upjohn Company, Kalamazoo, Michigan: fellowship in microbiology, academic year 1960-61.....	2 687 50
196.	H. W. Wilson Company, New York, New York: fellowship in library science, academic year 1960-61.....	500 00
197.	Woodrow Wilson National Fellowship Foundation, Princeton, New Jersey: fellowships, academic year 1959-60.....	28 000 00
198.	Zeta Phi Eta: fellowship in speech.....	624 99
199.	Various donors: fellowships in the School of Social Work.....	17 549 00
	Benton House	\$ 1 800 00
	Chicago Commons	1 800 00
	Chicago Community Trust.....	5 458 00
	Chicago Youth Center.....	1 800 00
	Jewish Community Centers of Chicago.....	2 800 00
	Wieboldt Foundation	2 091 00
	Young Men's Jewish Council.....	1 800 00
200.	Abbott Laboratories, North Chicago.....	7 510 00
	To the Department of Physiology for a study of the possible accelerating effects of bile salts and of ethylene diamine tetracetic acid (EDTA), a chelating agent, on the absorption of calcium from the gastrointestinal tract	\$ 4 510 00
	To the Department of Animal Science for studies on swine nutrition	1 500 00
	To the Department of Veterinary Research for a study on the treatment of <i>Leptospira pomona</i> infection in swine with erythromycin.....	1 500 00
201.	Allied Chemical Corporation, New York, New York.....	4 500 00
	To the Department of Agronomy for a study on ruminant nutrition with particular regard to energy and nitrogen utilization	\$ 2 500 00
	To the Department of Animal Science for a study of occurrence of residual nitrogen fertilizer among various soil fractures as indicated by isotopic nitrogen....	2 000 00
202.	Aluminum Company of America, Pittsburgh, Pennsylvania.....	3 500 00
	To the Department of Ceramic Engineering for a study of alumina in whitewares.....	\$ 1 000 00
	To the Department of Agricultural Engineering for a study of farm structures.....	2 500 00
203.	American Bird Products, Inc., Chicago: to the Department of Veterinary Pathology and Hygiene for a study of the epidemiology and control of psittacosis and psittacoid diseases.....	6 440 00
204.	American Cancer Society, Inc., New York, New York: to the Department of Microbiology.....	21 172 00
	A study of viruses (E32).....	\$ 1 452 00
	A study of animal viruses and virus-controlled cellular properties (E59B).....	19 720 00
205.	American Chemical Society, Washington, D.C.....	71 885 00
	To the Department of Chemistry and Chemical Engineering for a study of mechanism of radical reactions.....	\$ 5 825 00
	To the Department of Chemistry and Chemical Engineering for nuclear magnetic and electron spin resonance studies of hydrocarbons.....	20 000 00
	To the Department of Chemistry and Chemical Engineering for a study of the effects of angle-strain.....	5 860 00
	To the Department of Chemistry and Chemical Engineering for a study of oil soluble metal complexes....	6 300 00
	To the Department of Chemistry and Chemical Engineering for a study of ferrocene derivatives.....	6 700 00
	To the Department of Chemistry and Chemical Engineering for a study of diffusion mechanism: molecules in solution	7 800 00

	To the Department of Geology for a study of ancient sediments.....	6 000 00
	To the Department of Chemistry and Chemical Engineering for a study of organic reaction mechanisms....	7 100 00
	To the Department of Chemistry and Chemical Engineering for research on catalysis of stirred reactors....	6 300 00
206.	American Cyanamid Company, Stamford, Connecticut: to the Department of Agronomy for a study of weed control.....	1 000 00
207.	American Dairy Association: to the Department of Food Technology.....	25 500 00
	A cooperative study on the relationship of milk protein to serum cholesterol levels.....	\$ 3 500 00
	A study of the possible anti-atherogenic effect of butterfat.....	6 000 00
	A study of the protein-fat combining reactions in mixtures of protein with butterfat and other fats and oils during heating.....	10 000 00
	A study of the effect of fats including butterfat on body fat composition.....	6 000 00
208.	American Food Laboratories, Brooklyn, New York: to the Department of Food Technology for a study of liquid stabilizers in high temperature processing of ice cream mixes.....	750 00
209.	American Iron and Steel Company: to the Department of Theoretical and Applied Mechanics.....	42 000 00
	A study of the cause of failures in railroad rails in service.....	\$25 000 00
	A study of welded wire fabric.....	17 000 00
210.	American Management Association, New York, New York: to the College of Commerce and Business Administration for a study of general organization functions in business.....	416 00
211.	American Mathematical Society: to the Department of Mathematics, contribution to the cost of publishing a Journal of Mathematics (also financed in part by assignments from the George A. Miller Endowment).....	1 200 00
212.	American Potash Institute, Incorporated: to the Department of Agronomy for a study of requirements for biochemical function of potassium by crop plants.....	2 500 00
213.	Armour and Company, Chicago: to the Department of Food Technology for studies in fats and oils.....	3 000 00
214.	Association of American Railroads: to the Department of Civil Engineering.....	1 500 00
	A study of roadbed stabilization.....	\$ 500 00
	A study of performance of filter material in subdrains..	1 000 00
215.	Battle Creek Equipment Company: to the Department of Physical Education for Men for a study of trim machines.....	1 200 00
216.	Bendix Aviation Corporation, South Bend, Indiana: to the Department of Ceramic Engineering for a study of thermal diffusivity and elastic moduli of ceramic-metal combinations at elevated temperatures.....	29 511 58
217.	Ethel Burnside, Paris: to the Department of Food Technology for a study of dietary cholesterol.....	6 005 32
218.	California Company, New Orleans, Louisiana: to the Department of Civil Engineering for fundamental research.....	250 00
219.	California Spray Chemical Corporation: to the Department of Plant Pathology for a study of fungicides.....	1 000 00
220.	Cargill Foundation, Minneapolis, Minnesota: to the Department of Agronomy for studies of rock phosphates.....	750 00
221.	Carnation Company, Los Angeles, California: to the Department of Home Economics for studies on performance of instant mashed potatoes in quantity food preparation and service.....	1 000 00
222.	Carnegie Corporation of New York: to the University High School.....	163 350 00
	Development of new high school mathematics program.....	\$99 300 00

	Development of new elementary school arithmetic curriculum.....	64 050 00
223.	Carnegie Corporation of New York: part of a grant to the Council of Ten and the University of Chicago for studies of institutional cooperation and allocated to the following for studies by those departments.....	5 616 18
	College of Education.....	\$ 1 200 00
	Department of City Planning and Landscape Architecture.....	1 500 00
	Department of Geography.....	1 416 18
	Department of Physiology.....	1 500 00
224.	Caterpillar Tractor Co., Peoria.....	4 100 00
	To the Department of Mechanical and Industrial Engineering for research in photoelasticity.....	\$ 1 100 00
	To the Department of Civil Engineering for a study of U-shaped beams.....	3 000 00
225.	Cities Service, Inc.: to the Department of Civil Engineering for a study dealing with the properties of sand.....	5 000 00
226.	Commercial Solvents Corporation: to the Department of Animal Science for a study on vitamins and growth factors in swine nutrition.....	3 000 00
227.	Commonwealth Edison Company: to the Department of Civil Engineering for a study of lime pozzolan mixtures.....	5 700 00
228.	Consolidated Electrodynamics Corporation, Pasadena, California: to the Department of Ceramic Engineering for research in the area of hermetic seals and electrical properties of special glasses.....	3 150 00
229.	Consumers' Union, Mount Vernon, New York: to the Bureau of Economic and Business Research for consumer surveys.....	904 00
230.	Corn Industries Research Foundation, Inc., Washington, D.C....	16 665 00
	To the Department of Home Economics for studies on the behavior of starches in food products.....	\$ 6 665 00
	To the Department of Food Technology for studies on protective carbohydrate coatings.....	10 000 00
231.	Corn Products Refining Company, Chicago: to the Department of Animal Science for a study of carbohydrates and unidentified growth factors for the baby pig.....	1 500 00
232.	Council on Economic and Cultural Affairs, Inc., New York, New York: to the Department of Agricultural Economics for studies and tabulating of information on farms and the management of farms in India.....	3 000 00
233.	Creole Petroleum Corporation, New York, New York: to the Department of Civil Engineering for a study of casing.....	15 825 00
234.	Crop-Hail Insurance Actuarial Association: to the State Water Survey for a study of hail storms.....	6 000 00
235.	Dawe's Laboratories, Inc., Chicago: to the Department of Animal Science for a study on rations for broiler production.....	2 000 00
236.	DeKalb Agricultural Association, Inc., DeKalb: to the Department of Agronomy for studies on dwarf corn.....	5 000 00
237.	E. I. du Pont de Nemours and Company, Wilmington, Delaware..	28 000 00
	To the Department of Chemistry and Chemical Engineering for research in chemistry (\$15,000), in chemical engineering (\$5,000), and in physics (\$5,000).....	\$25 000 00
	To the Department of Animal Science for studies on lysine nutrition of the pig.....	3 000 00
238.	Engineering Foundation: to the Department of Civil Engineering for studies of alloy steels, fatigue data, and structural joints....	13 850 00
239.	Exercycle Corporation: to the Department of Physical Education for Men for research.....	2 500 00
240.	Food Machinery Chemical Corporation, Niagara Chemical Division: to the Department of Plant Pathology for studies on fruit fungicides.....	500 00
241.	Ford Foundation, New York, New York.....	190 371 00
	To the Department of Sociology for research on the effectiveness of the federal correctional system.....	\$53 271 00

	For the released time of faculty for educational television programming	47 500 00
	To the Bureau of Economic and Business Research and the Executive Development Center for a workshop on the administration of business research.....	24 000 00
	To the University Press for the support of scholarly publications in the humanities and the social sciences..	5 600 00
	To the Bureau of Economic and Business Research for a study of family savings.....	60 000 00
242.	General Motors Corporation, Electronics Division, Milwaukee, Wisconsin: to the Department of Theoretical and Applied Mechanics for research expenses in connection with a fellowship,...	500 00
243.	Mr. J. Gordon, Utica, Ohio: to the University High School for a study of nonverbal awareness.....	50 00
244.	Grace Chemical Company: to the Department of Animal Science for a study on non-protein nitrogen in sheep nutrition.....	2 500 00
245.	Granite City Steel Company: to the Department of Agricultural Engineering for a study of methods of providing optimum environment for sows and pigs under farm farrowing conditions..	2 500 00
246.	Griffin Wheel Company.....	48 367 00
	To the Department of Ceramic Engineering for a study of steel casting refractories.....	\$24 200 00
	To the Department of Theoretical and Applied Mechanics for a study of railway wheels.....	24 167 00
247.	Hercules Powder Company, Wilmington, Delaware: to the Department of Chemistry and Chemical Engineering for educational and research programs.....	4 000 00
248.	Hess Clark Division of Vick Chemical Company: to the Department of Veterinary Research for a study to assess the effect of furazolidone on the livability and growth of mink, three to fourteen months of age, and on breeding mink, in relation to size and number of kits produced.....	6 612 50
249.	Hoffman-LaRoche, Inc., Nutley, New Jersey: to the Department of Animal Science.....	5 959 00
	Studies of biological method for the determination of Vitamin E deficiency.....	\$ 4 000 00
	Research on biotin metabolism.....	1 959 00
250.	Illinois Dairy Producers Association, Inc.: to the Department of Dairy Science for cream quality research.....	5 207 18
251.	Illinois Farm Supply Company, Chicago.....	2 400 00
	To the Department of Dairy Science for research in dairy cattle feeding.....	\$ 600 00
	To the Department of Animal Science for studies in swine nutrition	1 800 00
252.	Illinois Heart Association: to the Department of Food Technology for a study of dietary cholesterol.....	3 000 00
253.	Illinois Savings and Loan League: to the Department of Finance for research	1 390 30
254.	Illinois Seed Producers Association, Inc.....	10 000 00
	To the Department of Agronomy for corn research...\$ 7 500 00	
	To the Department of Plant Pathology for corn research.....	2 500 00
255.	Institute of Boiler and Radiator Manufacturers: to the Department of Mechanical and Industrial Engineering for a study of steam and water heating.....	38 000 00
256.	International Minerals and Chemical Corporation, Chicago: to the Department of Agronomy for a study on factors influencing the decomposition of rock phosphate in soils.....	2 000 00
257.	Iowa State University, Ames, Iowa: to the Department of Electrical Engineering for a study of hyperkinetic disorder.....	7 066 00
258.	Kewanee Machinery and Conveyor Company, Kewanee: to the Department of Agricultural Engineering for a study on elevators for filling vertical silos.....	1 500 00

259.	Kretschmer Wheat Germ Corporation, Carrollton, Michigan: to the College of Physical Education for wheat germ oil research...	1 600 00
260.	Lalor Foundation, Wilmington, Delaware: to the Department of Animal Science for studies on the influence of both active and passive immunity of males and females with antigens of gonadal origin on subsequent reproductive performance.....	4 600 00
261.	Eli Lilly and Company, Indianapolis, Indiana: to the Department of Animal Science for studies on the evaluation of antibiotics in swine nutrition	3 000 00
262.	Lumber Dealers Research Council, Washington, D.C., and Plywood Fabricator Service, Inc., Chicago: to the Small Homes Council-Building Research Council for costs involved in the manufacture and erection of certain house components.....	1 000 00
263.	Elizabeth McCormick Memorial Fund, Chicago: to the Institute for Research on Exceptional Children for research.....	15 000 00
264.	Malting Barley Improvement Association, Milwaukee, Wisconsin: to the Department of Agronomy for studies on barley improvement.....	690 00
265.	Merck and Company, Inc., Rahway, New Jersey: to the Department of Animal Science for studies on growth stimulants for swine	3 000 00
266.	Merrill Foundation for Advancement of Financial Knowledge, Inc., New York, New York: to the Department of Economics for studies on commercial bank loan and investment policy.....	4 724 58
267.	Midwest Agricultural Limestone Institute: to the Department of Agronomy for a study of soil management.....	500 00
268.	Mrs. C. Philip Miller, Chicago: to add to the Sinissippi Forest Trust Fund in support of forestry research.....	2 850 48
269.	Mink Farmers Research Foundation, Inc., Milwaukee, Wisconsin: to the Department of Veterinary Research for studies on virus enteritis of mink.....	5 500 00
270.	Monsanto Chemical Company, St. Louis, Missouri..... To the Department of Animal Science for studies on function of antioxidants in animal biochemistry.....\$ 4 000 00 To the Department of Plant Pathology for studies on function of antioxidants in animal biochemistry..... 500 00 To the Department of Chemistry and Chemical Engineering for research..... 2 650 00	7 150 00
271.	Moorman Manufacturing Company, Quincy: to the Department of Animal Science for a study on the nutritional quality of pig starter rations	5 200 00
272.	Mark L. Morris Animal Foundation: to the Department of Veterinary Research for a study of serum protein of dogs.....	2 415 00
273.	Mosinee Paper Mills Company, Mosinee, Wisconsin..... To the Department of Agricultural Engineering.....\$ 1 000 00 To the Department of Horticulture for studies on mulching with paper..... 2 000 00	3 000 00
274.	Muscular Dystrophy Associations of America, Inc., New York, New York: to the Department of Animal Science for studies on the metabolism of radioactive Vitamin E in the rat.....	6 750 00
275.	National Distillers and Chemical Corporation, New York, New York: to the Department of Agronomy for research.....	3 000 00
276.	National Educational Television and Radio Center: to the University High School for a mathematics study, including \$13,242.14 for the purchase of equipment for this study.....	83 242 14
277.	National Lead Company, Titanium Division, South Amboy, New Jersey: to the Department of Chemistry and Chemical Engineering for research.....	5 975 00
278.	National Lime Association, Washington, D.C.: to the Department of Geology for a study by X-ray diffraction and other methods the reactions in the clay minerals and other mineral components of various types of soils when treated with lime for the purpose of stabilization for road surfaces.....	4 400 00

279.	National Livestock and Meat Board, Chicago: to the Department of Food Technology for studies in biological utilization of fatty acid isomers	8 500 00
280.	Division of National Missions of the Board of Missions of the Methodist Church of Philadelphia, Pennsylvania: an extension of a research project in rural sociology	750 00
281.	National Roofing Contractors Association: to the Small Homes Council-Building Research Council for research on roofs	10 500 00
282.	National Society for Crippled Children and Adults, Chicago: to the Student Rehabilitation Center for a study on the development of specifications for buildings and facilities to independently accommodate individuals in wheelchairs and individuals with other severe forms of physical disability	10 918 00
283.	National Vitamin Foundation, Inc.	21 802 00
	To the Department of Animal Science for research	\$10 050 00
	To the Department of Dairy Science for research	5 000 00
	To the Radiocarbon Laboratory for research on radio-active Vitamin A	6 752 00
284.	National Warm Air Heating and Air Conditioning Association: to the Department of Mechanical and Industrial Engineering for a study of heating, ventilating, and air conditioning as related to warm air furnace heating	29 897 81
285.	Northern Illinois Breeding Co-op of Hampshire, Illinois: to the Department of Dairy Science for studies on research in the area of artificial breeding	5 737 50
286.	Olin Mathieson Corporation, East Alton: to the Department of Agronomy for ammonia phosphate studies	750 00
287.	Pennsalt Chemicals Corporation: to the State Natural History Survey for research	1 495 06
288.	Charles Pfizer and Company, Inc., Brooklyn, New York: to the Department of Animal Science for a study to evaluate amino acids, unidentified growth factors, vitamins, and antibiotics in swine	1 500 00
289.	Portland Cement Association, Chicago	15 000 00
	To the Department of Agricultural Engineering for studies on lightweight reinforced concrete rigid frames for farm structures	\$ 3 000 00
	To the Department of Civil Engineering for a study of the strength and deformation characteristics of reinforced concrete beam-column connections subjected to axial and transverse loads	12 000 00
290.	Procter and Gamble Company, Cincinnati, Ohio: to the Department of Chemistry and Chemical Engineering for a study of natural lipids	12 000 00
291.	Quaker Oats Company, Chicago: to the Department of Agronomy for studies on breeding for yellow dwarf (red leaf) resistance in spring and winter oats and for improved winter hardiness in winter oats	2 800 00
292.	Reinforced Concrete Research Council: to the Department of Civil Engineering for a study of floor slabs	10 000 00
293.	Research Corporation, New York, New York: to the Department of Chemistry and Chemical Engineering for research	5 200 00
294.	Rockefeller Foundation, New York, New York	50 518 08
	To the Department of Entomology for research	\$27 864 89
	To the Department of Dairy Science for research	13 161 69
	To the Department of Agronomy for research on maize polyploids and plant metabolism	9 491 50
295.	Rohm and Haas Company, Philadelphia, Pennsylvania: to the Department of Chemistry and Chemical Engineering for research	5 000 00
296.	Royal McBee Corporation: to the College of Education for a study of elementary typing	7 307 25
297.	Sears-Roebuck Foundation: to the Department of City Planning and Landscape Architecture for a study of community approaches	1 550 00

298.	Shell Chemical Corporation: to the State Natural History Survey for research on insecticides.....	2 500 00
299.	SKF Industries, Incorporated: to the Department of Theoretical and Applied Mechanics for studies of failure of surfaces of rolling contact	5 000 00
300.	Alfred P. Sloan Foundation, Inc., New York, New York.....	92 475 00
	To the Department of Chemistry and Chemical Engineering for research.....	\$25 000 00
	To the Department of Physics for research.....	67 475 00
301.	Society for the Investigation of Human Ecology, Forest Hills, New York: to the Institute of Communications Research for a study of the cross-cultural generality of meaning systems.....	23 089 50
302.	Socony Mobil Oil Company, Inc., Paulsboro, New Jersey: to the Department of Chemistry and Chemical Engineering for research in the field of metal coordination complexes.....	4 000 00
303.	Soft Phosphate Research, Incorporated: to the Department of Animal Science for a study of phosphate in swine nutrition.....	1 000 00
304.	Southern Illinois Breeding Association, Breese, Illinois: to the Department of Dairy Science for studies on artificial breeding...	3 725 00
305.	Specified, Inc., Indianapolis, Indiana: to the Department of Animal Science for studies on injectable iron compounds in pig nutrition	1 500 00
306.	A. E. Staley Manufacturing Company, Decatur.....	3 000 00
	To the Department of Plant Pathology for studies on fungicides.....	\$ 500 00
	To the Department of Chemistry and Chemical Engineering for research.....	2 500 00
307.	State University of Iowa, Iowa City, Iowa: to the Department of Electrical Engineering for a study of hyperkinetic disorder...	10 000 00
308.	Stauffer Chemical Company, San Francisco, California: to the Department of Agronomy for studies on herbicides.....	800 00
309.	Stevenson, Jordan, and Harrison, Inc., New York, New York: to the Department of Mechanical and Industrial Engineering for research on a predetermined time system.....	3 500 00
310.	Target Rock Foundation, Inc., New York, New York: to the Department of Botany to support an oriental art study project...	200 00
311.	Tee-Pak Foundation: to the Department of Food Technology for research on meat deterioration.....	3 500 00
312.	Texaco, Inc.: to the Department of Agricultural Engineering for a study on methods and machines for more efficient application of anhydrous ammonia, aqua ammonia, and slurries of dry and liquid nutrients	3 500 00
313.	Union Carbide Corporation.....	500 00
	To the Department of Chemistry and Chemical Engineering for fundamental research.....	\$ 200 00
	To the Department of Mechanical and Industrial Engineering for fundamental research.....	300 00
314.	Upjohn Company, Kalamazoo, Michigan: to the Department of Plant Pathology for a study on new antibiotics.....	6 000 00
315.	Various donors: to the Department of Marketing for marketing and thesis research.....	435 38
316.	Various donors: to the Department of Civil Engineering for research on lime pozzolan products.....	13 200 00
	Marblehead Lime Company, Chicago.....	\$ 1 200 00
	National Lime Association.....	7 500 00
	G. and W. H. Corson, Plymouth, Massachusetts.....	2 250 00
	Pozzolan Products Company, Inc., Chicago.....	2 250 00
317.	Various donors: to the College of Agriculture for farm electrification research	15 390 00
	Association of Illinois Electric Cooperatives.....	\$ 7 000 00
	Central Illinois Electric and Gas Company.....	425 00
	Central Illinois Light Company.....	550 00
	Central Illinois Public Service Company.....	1 250 00

Commonwealth Edison Company.....	3 500 00	
Illinois Power Company.....	2 450 00	
Iowa-Illinois Gas and Electric Company.....	60 00	
Interstate Power Company.....	52 00	
Mount Carmel Public Utility.....	60 00	
Union Electric Company.....	43 00	
318. Velsicol Chemical Corporation, Chicago.....		4 500 00
To the State Natural History Survey for research....	\$ 2 000 00	
To the Department of Zoology for research on the toxicology of insecticides.....	2 500 00	
319. VioBin Corporation, Monticello.....		12 599 98
To the Department of Physical Education for Men for research on physical fitness.....	\$ 6 049 98	
To the Department of Animal Science for studies on the metabolism of octacosonal in animal nutrition and on the safety of feeding whole dried fish meal.....	6 550 00	
320. Hiram Walker and Sons, Inc.: to the Department of Animal Science for research.....		3 366 88
321. Welding Research Council: to the Department of Civil Engineer- ing to investigate the effects of welding and stress relief treat- ments on the low temperature behavior of steel plate weldments..	13 750 00	
Total Funds for Graduate Fellowships and Research.....	\$1 935 683 83	
<i>Funds for Educational, Research, and Cultural Facilities</i>		
322. Abbott Laboratories, North Chicago: to the College of Veterinary Medicine to complete a film on Leptospirosis.....	\$ 1 300 00	
323. Alcoa Foundation, Pittsburgh, Pennsylvania: to the Department of Art for the enrichment of the Department's program in indus- trial design		1 000 00
324. American Accounting Association: to the Department of Ac- countancy for publishing an academic bulletin.....		300 00
325. American Steel Foundries Foundation, Chicago: to the Depart- ment of Mechanical and Industrial Engineering for cast metals education (this grant is in recognition of the outstanding work being done in cast metals education at the University of Illinois)...		750 00
326. Babcock and Wilcox Company, New York, New York: to the College of Engineering for engineering and technical education..		1 050 00
327. Continental Can Company, New York, New York: to the College of Engineering to develop closer student-faculty relations.....		500 00
328. Dow Chemical Company, Midland, Michigan: a grant-in-aid to the division of organic chemistry (the grant is being used to pur- chase equipment for the division).....		7 000 00
329. Dow Corning Corporation: an unrestricted grant-in-aid to the Department of Chemistry and Chemical Engineering.....		500 00
330. Ford Foundation, New York, New York.....		275 934 10
For experimental projects for strengthening engineer- ing faculties	\$275 000 00	
To the Department of Accountancy for a summer seminar	934 10	
331. Fund for Adult Education, New York, New York: to the Illinois Cooperative Extension Service, University of Illinois, for partici- pation in the Fund for Adult Education-Cooperative Extension Services Project in Public Affairs and for Public Responsibilities (Illinois was one of six states chosen to participate in this project; the total amount of the grant will be \$40,000.00 and will cover the period July 1, 1959, through December 31, 1961).....		17 500 00
332. Illinois Citizenship Clearing House: to the Institute of Govern- ment and Public Affairs (the Illinois Citizenship Clearing House was established in March, 1956, as a part of the national program to promote the interest of college students and graduates in partici- pation in the activities of political parties of their choice).....		5 250 00
333. Illinois State Florists Association, Urbana: to the division of floriculture and ornamental horticulture for the purchase of equipment		2 500 00

334. Institute of Life Insurance, New York, New York: for a workshop on education in family finance.....	10 807 50
335. Kappa Tau Alpha, national honorary society in journalism: for expenses of an annual journalism banquet.....	437 00
336. Mrs. Herman C. Krannert, Indianapolis, Indiana: for the purchase of a painting, "Christ After the Flagellation" by Murillo, at at cost of \$68,000; the remainder to be added to the fund for the construction of the Krannert Art Museum.....	71 023 91
337. Moorman Manufacturing Company, Quincy: for buildings, equipment, and other facilities for animal breeding research.....	50 000 00
338. National Association of Secondary School Principals.....	8 141 50
To the University Council on Teacher Education, Placement and Follow-Up, for secretarial assistance in the staff utilization program.....	\$ 3 341 50
To the University High School for experimental work in teaching of biology, French, and chemistry.....	4 800 00
339. Northwestern Steel and Wire Company, Sterling, Illinois: to the Institute of Labor and Industrial Relations building fund.....	1 000 00
340. Children of the late Professor C. W. Parmelee: to the Department of Ceramic Engineering royalties on Professor Parmelee's book "Glazes," as a memorial to their father.....	207 00
341. Nina C. Peairs: for the Isabel Bevier Lectureship in Home Economics.....	200 00
342. Perkins and Will, Chicago: to the Department of Architecture for instructional facilities.....	1 000 00
343. Prairie Club of Chicago: to the Committee on Natural Areas and Uncultivated Lands for maintenance of Volo and Wauconda Bogs.....	25 00
344. Ramo-Wooldridge, Los Angeles, California: to the Department of Electrical Engineering for purchase of equipment for graduate instruction and research.....	1 000 00
345. Rockefeller Foundation, New York, New York: to the Department of Philosophy to prepare a biography of Charles Sanders Pierce.....	9 300 00
346. Tile Council of America, Inc., New York, New York: to the Department of Architecture for the purchase of equipment.....	250 00
347. VioBin Corporation, Monticello: to the Department of Physical Education for Men for honoraria for speakers at the Colloquium on Scientific Aspects of Exercise and Fitness.....	1 000 00
348. Warner Brothers Pictures, Inc.: an unrestricted grant to the Natural History Museum.....	50 00
349. Whirlpool Corporation, St. Joseph, Michigan: to the Department of Food Technology for studies on the storage of leafy vegetables using different gases, relative humidity, and temperature as variables.....	2 500 00
350. An industrial corporation: to the Institute of Aviation for airport facilities and improvements.....	12 000 00
(The corporation has requested that this be listed as a gift from an anonymous donor.)	
<i>Total, Funds for Educational, Research, and Cultural Facilities.....</i>	<i>\$482 526 01</i>

Educational Grants Fund

The Board of Trustees has established this fund and has authorized the President to make assignments from it for non-recurring educational purposes. The income is composed of grants from foundations, business and industrial corporations to the University in recognition of the educational costs involved in accepting fellowships and scholarships, and of the service expense in administration of research grants. Contributions deposited in this fund received from:

351. Alcoa Foundation, Pittsburgh, Pennsylvania.....	\$ 125 00
352. Armco Steel Corporation, Middletown, Ohio.....	100 00

353. Budd Company, Philadelphia, Pennsylvania.....	240 00
354. Campbell Soup Company, Chicago.....	7 000 00
355. Carl C. Conway Scholarship Foundation, New York, New York.....	600 00
356. Corn Products Company, Chicago.....	1 580 00
357. Creole Foundation, New York, New York.....	500 00
358. General Motors Corporation, Detroit, Michigan.....	1 000 00
359. Major General Joseph H. Harper, Chicago.....	100 00
360. Hunt Foundation, Pittsburgh, Pennsylvania.....	125 00
361. International Business Machines, Poughkeepsie, New York..	2 000 00
362. International Nickel Company, Inc., New York, New York..	500 00
363. Kennecott Copper Corporation, New York, New York.....	1 000 00
364. Owens-Corning Fiberglas Corporation, Toledo, Ohio.....	500 00
365. Owens-Illinois Corporation, Toledo, Ohio.....	1 200 00
366. Rockefeller Foundation, New York, New York.....	5 000 00
<i>Total, Educational Grants Fund.....</i>	<i>\$ 21 570 00</i>

United States Government Grants and Research Contracts

367. Air Force	\$ 1 637 163 02
368. Army Chemical Corps.....	20 461 24
369. Army Ordnance	259 488 47
370. Army Quartermaster Corps.....	25 820 76
371. Army Signal Corps.....	1 323 963 57
372. Army Surgeon General.....	93 742 75
373. Atomic Energy Commission.....	1 278 960 79
374. Army Institute	1 877 00
375. Bureau of Public Roads.....	15 457 31
376. Defense Atomic Support Agency.....	26 744 22
377. Department of Agriculture.....	63 797 00
378. Department of State.....	42 170 00
379. Engineering Center	50 731 16
380. Fifth Army	1 291 24
381. International Cooperation Administration.....	424 477 21
382. National Academy of Sciences.....	25 373 78
383. National Aeronautics and Space Administration.....	113 001 00
384. National Science Foundation.....	1 546 660 78
385. Naval Training Center.....	26 659 50
386. Navy Bureau of Ships.....	277 723 48
387. Office of Education.....	263 281 00
388. Office of Naval Research.....	1 651 519 93
389. Office of Vocational Rehabilitation.....	64 525 36
390. Public Health Service.....	1 528 918 18
391. Small Business Administration.....	7 750 00
392. Tennessee Valley Authority.....	3 801 72
<i>Total, United States Government Grants and Research Contracts</i>	<i>\$10 775 360 49</i>

Research and Public Service Contracts with State of Illinois Agencies

393. State Public Aid Commission.....	\$ 13 000 00
394. State Superintendent of Public Instruction.....	12 349 48
395. State Department of Agriculture.....	4 448 00
396. State Department of Public Welfare.....	74 349 93
397. Cities and Villages Municipal Problems Commission.....	19 000 00
398. State Department of Public Works and Buildings, Division of Highways.....	317 902 05
399. State Housing Board.....	5 000 00
400. Department of Registration and Education.....	16 726 85
401. Department of Public Safety.....	68 673 09

Total, Research and Public Service Contracts with State of Illinois Agencies.....

\$531 450 30

Gifts of Equipment, Livestock, Library Materials, Works of Art

402. Anonymous donor: to the Department of Animal Science, twenty bred heifers and one prize bull (estimated value \$19,800.00).

403. Chrysler Corporation, Detroit, Michigan: to the Department of Mechanical and Industrial Engineering, a new six-cylinder Valiant engine (estimated value \$600.00).
404. Mrs. Anna Sage Finley, Hoopeston: to the School of Music Library, a collection of phonograph records.
405. Estate of Velma L. Greer: to the Department of Home Economics, gowns for the Department's historic costume collection.
406. Illinois Seed Producers Association, Inc., Champaign: to the Department of Agronomy, new irrigation equipment (value \$15,102.94).
407. Kinjo Women's College, Aichi-Ken, Japan: to the Department of Home Economics, a model (valued at \$150.00), child's kimono, tie-dyed scarf, and embroidered and crocheted pieces from Japan.
408. Knoedler Manufacturers, Inc., Streator: to the Department of Animal Science, a twelve-foot auger wagon, model 52-R, with tandem wheel assembly and a twelve-foot auger boom (valued at \$1,233.37).
409. Nagle Pumps, Inc., Chicago Heights: to the Department of Mining and Metallurgical Engineering, cyclone feed pump (valued at \$500.00).
410. Henry A. Petter Supply Company, Paducah, Kentucky: to the Dixon Springs Experiment Station, supplies (valued at \$3,586.67), and to the Physical Plant Department, grinding wheels (valued at \$547.27).
411. Sudler and Company, managing agents of the Chicago Stock Exchange Building, Chicago: to the Department of Architecture, three cast iron elevator grilles.
412. Texaco, Incorporated, Lawrenceville: to the division of chemical engineering, a Leeds and Northrup infra-red analyzer.
413. Waukesha Motor Company, Waukesha, Wisconsin: to the Department of Mechanical and Industrial Engineering, a Model 195DLB six-cylinder diesel engine (valued at \$2,000.00).
414. Westinghouse Electric Corporation: for the Measurement Program in the College of Engineering, a frequency meter (valued at \$262.68).
415. Philip K. Wrigley, Chicago: to the Institute of Aviation, a Widgcon G44 sea plane.
416. Various donors: to the College of Fine and Applied Arts the gifts listed:
 - Mr. and Mrs. Phillip Bruno, New York, New York: four ink drawings by Pierre Lagage (valued at \$50.00).
 - Mr. and Mrs. Herman E. Cooper, New York, New York: two paintings, "Sunlight and Shadows" by Victor Charreton (valued at \$2,500.00) and "Nude" by Raphael Soyer.
 - Miss Giovanna Dompe, Rome, Italy: "The Duel," marble relief, by Tina Dompe (valued at \$50.00).
 - Mrs. Spencer Ewing, Oberlin, Ohio: a mahogany floor clock (valued at \$600.00).
 - Professor David Gottlieb, Urbana: an engraving, "King Henry VIII" by Thomas Stothard (valued at \$100.00).
 - Mr. I. Austin Kelly III, New York, New York: a painting "Portrait of Dame Van Daems" by Bartholomeus van der Helst (valued at \$10,000.00).
 - Mr. and Mrs. Louis Livingston, Urbana: a Chinese mandarin coat (valued at \$200.00).
 - Mr. Louis Moss, Chicago: a painting, "Portrait of a Lady" by Dirck Dircksz Santvoort (valued at \$9,500.00).
 - Mr. and Mrs. Morrie A. Moss, Memphis, Tennessee: a painting, "A Riding Scene" by Nicolas Berghem.
 - The National Academy of Design, New York, New York: a painting, "Wreck of the Sea Prince" by John C. Pellaw.
 - Mrs. Stacy Rankin, Palm Beach, Florida: two monumental bronze statues by Emmanuel Fremiet, "Gorilla and Woman" and "Bear and Man."

417. Various donors: to the Department of Electrical Engineering the equipment listed:
 Crossley Associates, Inc., Chicago (estimated value \$1,800.00).
 International Business Machines (estimated value \$900.00).
 G. H. Leland, Inc., Dayton, Ohio (estimated value \$25.00).
 Mark Products Company, Morton Grove (estimated value \$225.00).
 Western Electric Company, Chicago (estimated value \$60.00).
 Western Electric Company, Kearny, New Jersey (estimated value \$75.00).
 Western Electric Company, New York, New York (estimated value \$90.00).
 Westinghouse Electric Corporation, East Pittsburgh, Pennsylvania (estimated value \$2,600.00).
Total, Colleges and Schools at Urbana-Champaign.....\$14 008 471 97

Professional Colleges and Undergraduate Division at Chicago

Scholarships, Prizes, and Other Financial Aids

418. American Foundation for Pharmaceutical Education: scholarships in pharmacy.....\$ 400 00
 419. Miss Bertha Berkelhamer: for the annual Doctor Ralph C. Berkelhamer Scholarship 100 00
 420. Charles P. Bondy Memorial Fund for Pharmacy: to establish a scholarship fund for students in the College of Pharmacy..... 5 000 00
 421. Douglas Pharmaceutical Council: a scholarship in pharmacy.... 200 00
 422. Evanston Drama Club: to add to scholarship fund in the Department of Orthopaedic Surgery..... 500 00
 423. Ford Hopkins Drug Company: scholarship in pharmacy, academic year 1960-61..... 200 00
 424. Goldenrod Ice Cream Company, Chicago: two scholarships (\$200.00 each) in pharmacy..... 400 00
 425. Humiston-Keeling Company, Chicago: two scholarships (\$200.00 each) in pharmacy..... 400 00
 426. Illinois Federation of Women's Clubs, Chicago: scholarships in occupational therapy 1 577 86
 427. Illinois Occupational Therapy Association: scholarships in occupational therapy 600 00
 428. Lag Drug Company: scholarship in pharmacy, academic year 1959-60..... 200 00
 429. Dr. Felix P. Mooney, Bristol, Pennsylvania: for the Patrick and Bertha Mooney Scholarship in Medicine, academic year 1959-60.. 500 00
 430. Osco Drug Company, Inc.: scholarships in pharmacy..... 800 00
 431. Sargent's Drug Store: scholarship in pharmacy, academic year 1960-61..... 200 00
 432. Maurice Skelton Memorial Fund: scholarships in pharmacy..... 831 50
 433. Stineway Drug Company: scholarship in pharmacy, academic year 1960-61..... 200 00
 434. Various donors: to the Michael Henry Streicher Memorial Fund for scholarships in medicine..... 105 00
 435. Women's Auxiliary of the Chicago Professional Colleges: scholarships in pharmacy and medicine..... 1 550 00
 436. Women's Architectural League, Chicago: scholarships in architecture at the Chicago Undergraduate Division..... 800 00
 437. Dr. Lester D. Kaplin, an alumnus of the College of Dentistry: for prizes to students in the graduating class excelling in dentistry 50 00
 438. Midwest Oral Rehabilitation Study Group: for the Stanley D. Tylman Award for an outstanding fourth-year student in the College of Dentistry..... 125 00
 439. Dr. E. Frank Goodman, Bell Gardens, California: to the Aaron Goodman Memorial Loan Fund in the College of Medicine (this fund was established in 1958 in memory of Dr. Goodman's father) 300 00
 440. Merck Company Foundation, Rahway, New Jersey: for the George W. Merck Memorial Loan Fund to provide loans to interns and residents..... 4 000 00

441. Women's Auxiliary of the Chicago Professional Colleges: for a student loan fund.....	2 000 00
<i>Total, Scholarships, Prizes, and Other Financial Aids.....</i>	<i>\$21 039 36</i>

Funds for Fellowships and Research

442. American Cancer Society: expenses in connection with a fellow supported directly by the Society.....	\$ 500 00
443. American Psychiatric Association: fellowships in psychiatry....	1 200 00
444. Arthritis and Rheumatism Foundation: fellowship in pathology..	500 00
445. Asthmatic Children's Aid: to the Department of Medicine for summer student assistantships.....	1 200 00
446. Austenal, Incorporated, Chicago: fellowships in the College of Dentistry.....	7 500 00
447. Samuel Higby Camp Foundation: fellowship in orthopaedic surgery.....	1 500 00
448. Ciba Pharmaceutical Products, Inc., Summit, New Jersey: fellowships.....	600 00
449. Lederle Laboratories, Pearl River, New York: two summer fellowships in medicine.....	1 200 00
450. Polly Annenberg Levee Charitable Trust, Philadelphia, Pennsylvania: for the Dr. B. B. Rappaport Student Dental Research Assistantship in the College of Dentistry.....	3 000 00
451. Merck Company Foundation, Rahway, New Jersey: fellowships..	1 200 00
452. National Council to Combat Blindness, Inc.: fellowship in ophthalmology.....	600 00
453. Smith, Kline, and French Foundation, Philadelphia, Pennsylvania: summer fellowships	2 400 00
454. Bequest of Dr. Henry Bascom Thomas: for the Dr. and Mrs. Henry Bascom (Louise) Thomas Fellowship for graduate medical students (this bequest was reported to the Board on March 12, 1959)	10 000 00
455. Tobacco Industry Research Committee: summer fellowship.....	500 00
456. Upjohn Company, Kalamazoo, Michigan: fellowships in pharmacology.....	5 000 00
457. Various donors: for the Dr. B. B. Rappaport Student Dental Research Assistantship in the College of Dentistry.....	1 194 40
458. Abbott Laboratories, North Chicago.....	3 300 00
To the Department of Pharmacology for research....	\$ 1 800 00
To the Department of Chemistry, College of Pharmacy, for a synthesis of analogs of pharmacologically-active compounds containing the dihydroisoindoline ring system.....	500 00
To the Department of Psychiatry, College of Medicine, for a study on psychotropic drugs.....	1 000 00
459. American Cancer Society, Inc., New York, New York.....	115 548 19
To the Institutional Grants Committee, Chicago Professional Colleges, to support cancer research in the College of Medicine.....	\$18 860 00
To the Department of Surgery for an investigation of cellular damage observed in human tumors treated in tissue culture with anticancer compounds.....	21 751 00
To the Department of Medicine for studies of cancer chemotherapeutic agents in leukemias and lymphomas..	4 688 96
To the Department of Obstetrics and Gynecology for a study of experimental dysplasia of the uterine cervix..	7 970 00
To the Department of Pathology for a study of cell changes in the evolution of malignancy.....	8 623 50
To the Department of Pharmacology, College of Medicine, for a study of amino acid analysis of unique radioactive nuclear proteins of tumors.....	11 000 00
To the Department of Pharmacology, College of Medicine, for studies on the metabolism of plasma proteins in tumor-bearing rats.....	2 110 73

To the Department of Biological Chemistry for a study of separation of enzymes from normal and pathological serum using cellulose ion exchangers.....		19 466 00
To the Department of Biological Chemistry for studies of the specificity of glycolytic pathway enzymes.....		16 679 00
To the Department of Surgery for a survey of spontaneous regression of cancer.....		4 399 00
460. American Dental Association: to the Department of Applied Materia Medica and Therapeutics for a study of toxicity of local anesthetics.....		1 000 00
461. American Heart Association: to the Department of Medicine for studies on the kidney in health and disease.....		500 00
462. American Limb and Orthopedic Company: to the Department of Orthopaedic Surgery for the Orthopaedic Amputee Clinic Fund..		695 00
463. American Medical Association.....		1 575 00
To the Department of Preventive Medicine for studies on the effect of belladonna alkaloids on the electroencephalogram and behavior of man.....		\$ 325 00
To the Department of Medicine for an assay of luteinizing hormone in humans.....		500 00
To the Department of Dermatology for research.....		750 00
464. American Rheumatism Association of New York University: to the Department of Medicine for a therapy evaluation project..		600 00
465. Anonymous donor: to the Department of Pediatrics.....		1 000 00
466. Arthritis and Rheumatism Foundation, Illinois Chapter.....		3 302 25
To the Department of Medicine for a study of the effect of different environmental conditions and pharmacologic agents on the vascular responses in the digits in rheumatoid arthritis.....		\$ 2 552 25
To the Department of Pediatrics for a study of gout in infancy		750 00
467. Association for the Aid of Crippled Children: to the Department of Anatomy for the histochemical study of genetic and teratogenic induced cleft palate.....		7 370 00
468. Asthmatic Children's Aid: to the Department of Medicine for studies of respiratory mucous membrane.....		7 500 00
469. Baxter Laboratories, Inc., Chicago: to the Department of Microbiology for an evaluation of potential chemotherapeutic agents...		891 50
470. Burroughs-Wellcome and Company.....		6 200 00
To the Department of Pediatrics for a study of the effect of lucanthone hydrochloride on schistosomiasis mansoni infection		\$ 1 200 00
To the Department of Preventive Medicine for an evaluation of a new therapeutic agent in migraine headache.....		5 000 00
471. Chicago Heart Association.....		9 000 00
To the Department of Preventive Medicine for a study of biochemical, medical, and psychological parameters of the acute pressor response in hypertensive subjects..		6 000 00
To the Department of Medicine for a study of hepatic and myocardial factors in the production of digitalis toxicity.....		3 000 00
472. Jane Coffin Childs Fund of Yale University: to the Department of Pharmacology for a study of interconversion of intermediates of carbohydrate metabolism and amino acids in tumors and other tissues.....		10 000 00
473. Mr. and Mrs. Charles J. Cole: to the Department of Pediatrics for research		40 00
474. Columbia-Geneva Steel Division of United States Steel Corporation: to the Department of Pedodontics.....		5 701 11
475. Estate of Dan S. Crego: to the College of Medicine for research		7 016 48
476. John N. Crouse Dental Endowment Fund: to the College of Dentistry for the longitudinal study of periodontal status of young adults.....		1 300 00

477. Downers Grove United Fund: to the Department of Orthopaedic Surgery for research in muscular dystrophy and atrophy.....	109 30
478. Dysautonomia Association: to the College of Pharmacy for a study of acetylcholine metabolism in the familial dysautonomic patient	1 811 50
479. Easter Seal Research Foundation, National Society for Crippled Children and Adults, Inc.: to the Department of Pedodontics for tooth ring analysis of handicapped children.....	1 000 00
480. Dr. Ward Eastman, Peoria: to the Department of Surgery for the Ward Eastman and James Hurlbut Gift Fund for research..	100 00
481. Eaton Laboratories, Norwich, New York: to the Department of Medicine for toxicity and efficacy studies on NF-260.....	2 500 00
482. Federal Reserve Bank of Chicago Employees: for purchase of research equipment for the Respiratory Center in the Research and Educational Hospitals.....	1 500 00
483. Mr. Henning Frandsen: to the Department of Neurology and Neurological Surgery	10 00
484. Geigy Pharmaceuticals, Ardsley, New York.....	8 150 00
To the Department of Pharmacology for a study of action of autonomic drugs on the central nervous system. \$ 7 500 00	
To the Research and Educational Hospitals for a program of clinical testing of a new drug for trial by the Food and Drug Administration.....	
485. Hematology Research Foundation: to the Department of Medicine for a study of Fe 59 turnover rates as index of drugs toxicity in hemotherapy of patients with lymphoma and leukemia.....	3 450 00
486. Hoffman-LaRoche, Inc., Nutley, New Jersey: to the Department of Surgery for a study of the influence of arfonad on peripheral resistance and cardiac output.....	1 000 00
487. Illinois Federation of Women's Clubs: to the Department of Surgery for cancer research.....	1 000 00
488. Dr. Lawrence Khedroo, Chicago: to the Department of Anatomy for research	1 450 00
489. Lakeland Foundation, Chicago: to the Department of Clinical Science for a study in an attempt to isolate the growth stimulating and inhibiting agents from the liver or intestinal mucosa.....	16 630 25
490. Lederle Laboratories Division, American Cyanamid Company, Pearl River, New York: to the Department of Medicine for investigative work in infectious diseases and related fields.....	10 000 00
491. Life Insurance Medical Research Fund: to the Department of Biological Chemistry for a study of the biochemical basis for the difference in virulence of the smooth and matt variants of Group A streptococci	16 500 00
492. Eli Lilly and Company, Indianapolis, Indiana.....	10 882 10
To the Department of Dermatology for a study of the effect of vehicle and of skin lesion on the cutaneous absorption of steroids.....	
To the Department of Microbiology for a study of protein synthesis in virus infection.....	
493. Markle Foundation: for the John and Mary R. Markle Scholar Award in Medical Science.....	6 000 00
494. Merck, Sharp, and Dohme Research Laboratories: to the Department of Preventive Medicine for a study of the effect of therapeutic agents on some perceptual and psychometric tests in man..	5 000 00
495. Midwest Dental Manufacturing Company: to the Department of Operative Dentistry for a study of the use of ultra-high rotary speeds in operative dentistry.....	5 000 00
496. National Association for Mental Health, Inc.: to the Department of Psychiatry for research in schizophrenia.....	4 200 00
497. National Council to Combat Blindness, Inc.: to the Department of Ophthalmology for a study of the role of the A-wave in clinical electroretinography.....	3 000 00
498. National Foundation (originally the National Foundation for Infantile Paralysis, Inc.), New York, New York: to the Depart-	

	ment of Preventive Medicine for operation of a Poliomyelitis Special Treatment Center.....	74 583 28
499.	National Multiple Sclerosis Society: to the Department of Psychiatry for a study of the role of pyrimidine nucleosides and related substances in lipid and proteo-lipid metabolism of glia cells and neurons in living brain at rest and during activity.....	12 000 00
500.	Mr. George S. Oberne: for the Alva M. Oberne Cancer Research Fund.....	325 00
501.	Roanoke (Illinois) Area United Funds: to the Department of Surgery for cancer research.....	950 00
502.	Sandoz Pharmaceuticals, Hanover, New Jersey: to the Department of Preventive Medicine for research.....	5 000 00
503.	Schweppe Foundation, Chicago: to the Department of Surgery for the investigation of characteristics of human cancer cells when grown in tissue culture.....	5 000 00
504.	G. D. Searle and Company, Chicago.....	15 150 00
	To the Department of Medicine for studies on anti-asthmatic drugs	\$ 2 400 00
	To the Department of Medicine for studies on electrolyte metabolism including studies on aldosterone antagonism.....	12 750 00
505.	Elaine Settler Polio Foundation: to the Department of Preventive Medicine for research on the artificial heart pump.....	1 000 00
506.	Smith, Kline, and French Laboratories, Philadelphia, Pennsylvania: an unrestricted grant to the Department of Physiology...	6 000 00
507.	Teagle Foundation, Incorporated, New York, New York: to the Department of Psychiatry for paralysis agitans research.....	8 000 00
508.	Tuberculosis Institute of Chicago and Cook County.....	7 640 00
	To the Department of Microbiology for a study of the effects of immunological tolerance on the pathogenesis of avian tuberculosis.....	\$ 1 000 00
	To the Department of Medicine for a study of the progression of chronic pulmonary fibrosis, emphysema, and bronchiectasis by means of pulmonary function tests...	6 640 00
509.	United Cerebral Palsy Research and Educational Foundation, Inc.: to the Department of Pedodontics for studies on tooth ring analysis in children with cerebral palsy.....	6 970 00
510.	University of Chicago: to the Department of Medical Social Work for research.....	8 246 80
511.	Upjohn Company, Kalamazoo, Michigan.....	8 250 00
	To the Department of Surgery for a study of steroids \$ 3 750 00	
	To the Department of Preventive Medicine for a study of steroid hormone in the treatment of infections.....	4 500 00
512.	Warner-Lambert Research Institute of New Jersey: to the Department of Medicine for an investigation of the drug colimycin..	2 500 00
513.	Wilmette United Fund, Inc.: to the Department of Surgery for cancer research	3 000 00
514.	Winthrop-Stearns Incorporated, New York, New York.....	1 650 00
	To the Department of Oral and Maxillofacial Surgery, College of Dentistry, for a study of the effect of Tran-copal as a tranquilizer.....	\$ 750 00
	To the Department of Surgery, Division of Anesthesiology, for studies in cardiovascular and respiratory functions during anesthesia.....	900 00
515.	Various donors: for the Allan M. Loeb Cardiovascular Research Fund.....	300 00
	Mr. Albert H. Wechsler, Malden, Massachusetts.....	\$ 100 00
	Mr. Maury Crane.....	100 00
	Mr. S. R. Pletz.....	100 00
516.	Various donors: for the Occupational Therapy Gift Fund.....	736 55
	Elmhurst Methodist Church.....	\$ 15 00
	First Congregational Church, Circle E.....	13 55
	Hinsdale Sewing Group.....	25 00

	Illinae Club of Chicago.....	108 00	
	A group of little girls called the "Leprechauns".....	15 00	
	Research and Educational Hospitals Auxiliary.....	50 00	
	Riverside-North Riverside Junior Chamber of Commerce.....	10 00	
	Women's Auxiliary of the Chicago Professional Colleges.....	500 00	
517.	Various donors: for the Orthopaedic Gift Fund.....		1 810 72
	Beverly Hills Junior Woman's Club.....\$	100 00	
	Mr. and Mrs. John Bornemann, Jr.....	100 00	
	Kappa Alpha Theta Sorority.....	650 00	
	Women of the Rotary Club of Chicago.....	960 72	
518.	Various donors: for the College of Medicine Otolaryngologic Fund.....		7 530 00
	Dr. Edward L. Chainski.....\$	50 00	
	Dr. and Mrs. Francis L. Lederer.....	2 000 00	
	Nathan Manilow Foundation.....	5 000 00	
	Various donors.....	480 00	
519.	Various donors: to the Department of Medicine.....		622 36
	Mrs. Albin G. Ambur.....\$	28 00	
	Anonymous donor.....	9 00	
	Mr. and Mrs. Richard H. Bunt.....	5 00	
	Mr. and Mrs. S. J. Finch.....	5 00	
	Miss Ellen Gray.....	5 00	
	Harvard School for Boys, Parent-Faculty Club.....	29 00	
	Harvard School for Boys, Students and Faculty.....	125 00	
	Mrs. Van V. Lain.....	25 00	
	Mrs. Arthur O. Lindaman.....	15 00	
	Mrs. Albert E. Lucius.....	5 00	
	Miss Marlys D. Shaw.....	10 00	
	Mr. Ken Swanson.....	211 75	
	Mr. Amos H. Watts.....	25 00	
	Various donors, Presbyterian-St. Luke's Hospital.....	124 61	
520.	Various donors: to the Department of Otolaryngology.....		260 00
	Mr. and Mrs. Gerald Abramovitz.....\$	25 00	
	Mr. and Mrs. Robert Arundale.....	50 00	
	Mrs. Layne Horwich.....	15 00	
	Mr. Joseph H. Levy.....	5 00	
	Dr. Charles Lightfoot.....	150 00	
	Mrs. Harry Sager.....	15 00	
521.	Various donors: to the Department of Surgery for research.....		1 757 60
	Anonymous.....\$	100 00	
	Dr. Edward Atlas.....	50 00	
	Dr. Warren H. Cole.....	868 50	
	Dr. Robert P. Hackett.....	100 00	
	Drs. H. H. Hamlin, D. H. Nelson, and W. H. Ryd.....	15 00	
	Mrs. Wesley H. Hendrickson.....	50 00	
	Dr. Rudolph G. Mrazek.....	175 10	
	Dr. D. N. Myers.....	200 00	
	Mrs. Ralph Skoggs.....	20 00	
	Mrs. Winifred Sorling.....	100 00	
	Friends of Mr. J. O. Pyle of Park Ridge in memory of his daughter.....	43 00	
	Various donors in memory of Mrs. Oekker.....	36 00	
522.	Various donors: to the Department of Orthodontics for support of research and educational projects.....		2 050 00
	Dr. William A. Blueher.....\$	300 00	
	Dr. M. Peter Breidt.....	500 00	
	Dr. Jacob B. Franklin.....	100 00	
	Dr. Lawrence Furstman.....	300 00	
	Dr. Silas J. Kloehn.....	150 00	
	Dr. Ernest Myer.....	250 00	
	Dr. Robert M. Ricketts.....	300 00	

Dr. Robert F. Schoenwetter.....	100 00
Dr. George D. Sturman.....	50 00
<i>Total, Funds for Fellowships and Research.....</i>	<i>\$501 259 54</i>

Funds for Educational and Research Programs

523. Abbott Laboratories, North Chicago.....	\$ 800 00
To the College of Pharmacy for the purchase of a special showcase for the display of pharmaceutical products.....	\$ 200 00
To the Department of Pharmacology for seminars.....	600 00
524. American Medical Educational Foundation: to the College of Medicine for support of the general educational programs.....	28 353 60
525. Commonwealth Fund, New York, New York: to the College of Medicine for study and evaluation of medical education (first payment of a \$112,000 grant in support of a two-year pilot program reported to the Board on December 17, 1958).....	56 000 00
526. Dr. Jerry J. Kearns: to the Departments of Occupational Therapy and Physical Medicine and Rehabilitation for their service programs in the Research and Educational Hospitals....	1 000 00
527. National Fund for Medical Education: to the College of Medicine to supplement the University's program in medical education and to support basic non-categorical research.....	64 171 73
528. Women's Auxiliary of the Chicago Professional Colleges: for the Patient Lounge Fund.....	1 500 00
529. Various donors: to the Research and Educational Hospitals for radiation therapy	150 00
530. Foundry Educational Foundation: to the College of Engineering, Chicago Undergraduate Division, in recognition of the outstanding work being done in cast metals education.....	750 00
<i>Total, Funds for Educational and Research Programs.....</i>	<i>\$152 725 31</i>

United States Government Grants and Research Contracts

531. Air Force	\$ 1 321 12
532. Army Chemical Corps.....	11 391 84
533. Army Ordnance	2 917 74
534. Army Surgeon General.....	34 206 11
535. Atomic Energy Commission.....	27 273 98
536. National Science Foundation.....	68 227 09
537. Office of Naval Research.....	47 374 36
538. Office of Vocational Rehabilitation.....	8 258 07
539. Public Health Service.....	1 776 264 12

Total, United States Government Grants and Research Contracts.....
\$1 977 234 31

Research and Public Service Contracts with State of Illinois Agencies

540. State Department of Public Health.....	\$ 173 27
541. State Department of Public Welfare.....	100 407 05

Total, Research and Public Service Contracts with State of Illinois Agencies
\$100 580 12

Gifts of Equipment, Library Materials, and Works of Art

542. American Sterilizer Company: to the College of Dentistry dental clinics, an autoclave and a dental light (valued at \$450.00).	
543. Anonymous donor: to the Department of Physical Medicine and Rehabilitation, a child's walker (valued at \$78.00).	
544. Mr. Milton Carlson, Chicago: to the Research and Educational Hospitals, an Everest and Jennings wheel chair (valued at \$125.00).	
545. Densco Dental Manufacturing Company, Denver, Colorado: to the College of Dentistry, a table model vacudent (valued at \$350.00).	
546. Mr. Ronald Flegler, Chicago: to the Chicago Undergraduate Division, an American flag, in honor of his father.	

547. McKesson Appliance Company: to the Department of Oral and Maxillofacial Surgery, a Narmatic gas machine (valued at \$700.00).
548. Estate of Harry O. Maryan, deceased: to the College of Medicine, medical books.
549. Mr. Charles J. Merriam, Chicago: to the Medical Illustration Studios, three-dimensional photographic equipment (valued at \$598.00).
550. Sawyer's, Inc.: to the Department of Oral and Maxillofacial Surgery, a set of 200 slides and auxiliary manuals on surgery of the oral cavity by Dr. W. W. Cogswell (valued at \$165.00).
551. WLS Christmas Neighbors Club: to the Research and Educational Hospitals psychiatric ward, two Philco table model radios.
552. Faculty Members and Students at the Chicago Professional Colleges: furniture for a student lounge in the Dentistry-Medicine-Pharmacy Building (valued at \$2,500.00).
553. Lester B. Knight and Associates, Chicago: to the Chicago Undergraduate Division, a model of a large steel foundry (valued at \$10,000.00).

*Total, Professional Colleges and Undergraduate Division
at Chicago*\$2 752 838 89

Gifts to the University of Illinois Foundation

554. Illini Achievement Fund.....	\$222 781 79
555. Other Funds for Current Purposes.....	60 883 98
556. Endowment Funds	163 244 30
557. Funds for Physical Plant Purposes.....	193 665 00
<i>Total, Gifts to the University of Illinois Foundation</i>	\$640 575 07

Summary

Funds from Private Donors	
Total for Urbana-Champaign.....	\$ 2 701 661 09
Total for Chicago Colleges.....	675 024 23
<i>Total</i>	\$ 3 376 685 32
Funds from the United States Government	
Total for Urbana-Champaign.....	\$10 775 360 49
Total for Chicago Colleges.....	1 977 234 34
<i>Total</i>	\$12 752 594 83
Funds from Contracts with State of Illinois Agencies	
Total for Urbana-Champaign.....	\$ 531 450 39
Total for Chicago Colleges.....	100 580 32
<i>Total</i>	\$ 632 030 71
Gifts to the University of Illinois Foundation.....	\$ 640 575 07
<i>Grand Total</i>	\$17 401 885 93

This report was received for record.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) graduate fellows; (3) cancellation, declinations, and resignations; (4) 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.)

- ADLER, MRS. DONATELLA G., Research Assistant Professor of Physics (C), $\frac{3}{4}$ time, November 8, 1960-June 15, 1961, \$525 a month (11-25-60).
- BURCHELL, MRS. SARA J., Assistant in Anesthesiology, Department of Surgery (Medicine), nine months from October 1, 1960, without salary (11-23-60).
- CALLAGHAN, SHEILA A., Instructor in Medical Social Work (Medicine), ten months from November 1, 1960, \$6,000 a year, supersedes (11-7-60).

- CHANG, SHEN C., Research Assistant Professor of Entomology, September 16, 1960-August 31, 1961, \$7,350 a year, supersedes (12-1-60).
- CONNOR, DAVID, Research Associate in Psychology, $\frac{1}{4}$ time, one year from September 1, 1960, \$3,200, supersedes (12-7-60).
- DE JONG, MARTIJN, Research Associate in Physics (C), eight months from January 1, 1961, \$7,500 a year (11-21-60).
- DULANY, MRS. ELIZABETH G., Assistant Editor in the University Press, eleven months from October 1, 1960, \$6,000 a year, supersedes nonacademic appointment (11-21-60).
- FELLOWS, JULIAN R., Professor of Mechanical Engineering and Group Leader in the Indian Institute of Technology, Kharagpur, W. Bengal, India, under Contract ICAc-1220, two years from September 1, 1960, \$16,500 a year, supersedes (10-31-60).
- FLEMER, STEVENSON, Instructor in Architecture and Art (Chicago Undergraduate Division), $\frac{1}{2}$ time, September 1, 1960-February 28, 1961, to render service during the first semester of the academic year, \$1,600 (11-23-60).
- FRETWELL, CHARLES C., Research Associate in Theoretical and Applied Mechanics (C), November 28, 1960-June 15, 1961, \$580 a month (11-11-60).
- FRIEDERICI, HARTMANN, Instructor in Pathology (Medicine), January 1-May 31, 1961, \$750 a month (12-7-60).
- GOELER VON RAVENSBURG, EBERHARD, Research Associate in Physics (C), November 7, 1960-August 31, 1961, \$7,200 a year, supersedes (11-21-60).
- GRABER, MRS. JEAN W., Research Associate in Animal Science (S), ten months from November 1, 1960, \$5,800 a year, supersedes (11-15-60).
- GRUBB, EUGENE L., Research Associate in Chemistry, seven months from February 1, 1961, \$5,500 a year (11-8-60).
- HANSEN, ROBERT, Instructor in Biological Chemistry (Medicine), November 15, 1960-August 31, 1961, without salary (12-5-60).
- HUNERYAGER, S. G., Assistant in the Executive Development Program (College of Commerce and Business Administration), $\frac{1}{2}$ time, June 1-August 15, 1960, \$550; this is in addition to his appointment dated July 1, 1959, and to his Summer Session appointment dated April 20, 1960; and supersedes appointment dated July 16, 1960 (11-23-60).
- HUNT, RICHARD H., Instructor in Art (Chicago Undergraduate Division), $\frac{1}{2}$ time, September 1, 1960-February 28, 1961, to render service during the first semester of the academic year, \$152.83 a month (11-23-60).
- INOUE, TOHRU, Assistant Professor of Biological Chemistry (Medicine), November 15, 1960-August 31, 1961, without salary (11-23-60).
- JOHNSON, A. BEAUMONT, III, Clinical Associate in Neurological Surgery, Department of Neurology and Neurological Surgery (Medicine), $\frac{1}{4}$ time, one year from September 1, 1960, \$1,800 (12-1-60).
- JOHNSON, ROBERT M., Research Assistant in the State Water Survey, seven months from December 1, 1960, \$7,200 a year (11-25-60).
- KELLEY, MRS. LYNDA J., Assistant in Animal Science (S), eight months from January 1, 1961, \$4,800 a year (12-1-60).
- LINDEN, CARL T., Associate Professor of Medical Illustration (Chicago Professional Colleges), one year from September 1, 1960, without salary (11-11-60).
- MANGALO, RAYMOND, Research Associate in Microbiology (College of Liberal Arts and Sciences and Graduate College), one year from September 1, 1960, \$5,500 (11-8-60).
- MATHIS, ANN E., Residence Hall Counselor (Chicago Professional Colleges), 15/100 time, nine months from September 16, 1960, \$550 (11-23-60).
- MCGINNIS, EDWARD A., Assistant in Radiology (Medicine), one year from September 1, 1960, without salary (11-23-60).
- MUELLER, THOMAS J., Research Associate in Mechanical Engineering (C), $\frac{1}{2}$ time, six months from October 1, 1960, \$333.33 a month, supersedes (11-14-60).
- NOWICKI, NORBERT J., Clinical Instructor in Ophthalmology (Medicine), for ten months from November 1, 1960, without salary (11-23-60).
- PAWLIK, KURT, Research Associate in Psychology, one year from September 1, 1960, \$6,800, supersedes (11-28-60).
- PEDERSEN, JOANNE M. O., Assistant in Medical Nursing, nine months from December 1, 1960, \$5,500 a year (12-1-60).

- RANSFORD, RALPH E., Instructor in Anatomy (Medicine), $\frac{1}{2}$ time, to render service during the academic year, October 1, 1960-June 30, 1961, \$532 a month (11-7-60).
- REILLY, JAMES R., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), $\frac{3}{4}$ time, seven months from February 1, 1961, \$333.33 a month (12-2-60).
- ROSLANSKY, MRS. PRISCILLA F., Research Associate in Chemistry, $\frac{1}{2}$ time, November 14, 1960-August 31, 1961, \$3,100 a year (11-28-60).
- SCHMEROLD, WILFRIED L., Clinical Assistant in Dermatology (Medicine), ten months from November 1, 1960, without salary (11-15-60).
- SINHA, RANA P., Research Associate in Ophthalmology (Medicine), $\frac{3}{4}$ time, three months from January 1, 1961, \$200 a month, supersedes nonsalaried appointment (11-23-60).
- SRINIVASAN, V. R., Research Associate in the School of Life Sciences, nine months from December 1, 1960, \$7,500 a year, supersedes (12-2-60).
- TANAKA, RYO, Research Associate in Psychiatry (Medicine), nine months from December 1, 1960, \$6,000 a year (11-11-60).
- TEXTOR, CHARLES S., II, Clinical Assistant Professor of Neurology and Neurological Surgery (Medicine), $\frac{1}{10}$ time, one year from September 1, 1960, \$1,200 (12-1-60).
- THOMPSON, MRS. ROSEMARY B., Head Resident, Single Graduate Halls, $\frac{1}{2}$ time, one year from September 1, 1960, \$2,400; for the convenience of the University she will also be furnished housing valued at \$900 (11-21-60).
- WAHL, FLOYD M., Assistant Professor of Geology, to render service during the second semester of the academic year, February 1-August 31, 1961, \$3,300, supersedes (11-8-60).
- WATSON, ALAN O., Research Assistant in Pedodontics (Dentistry), eight months from January 1, 1961, \$6,000 a year (12-2-60).
- WEIR, MORTON W., Assistant Professor of Psychology, March 1-August 31, 1961, to render service during the second semester of the academic year, \$566.67 a month, supersedes (12-2-60).
- WEICH, PHILIP B., Lecturer in Architecture (Chicago Undergraduate Division), $\frac{1}{2}$ time, September 1, 1960-February 28, 1961, \$1,750 (11-23-60).
- WOLOSHIN, MRS. GABRIELLE S., Assistant in Psychiatry (Medicine), eleven months from October 1, 1960, without salary (11-28-60).
- YUSEM, MILTON, Instructor in Chemistry (Chicago Undergraduate Division), $\frac{1}{2}$ time, September 1, 1960-January 31, 1961, to render service during the first semester of the academic year, \$1,400; this is in addition to his appointment as Research Associate in Clinical Science (Medicine) on 68/100 time (11-2-60).

GRADUATE FELLOWS

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

- BERQUIST, ELAINE V., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$2,000 (10-27-60).
- BUMZAHM, CARLOS B., United States Public Health Service Post-Sophomore Medical Research Fellow (Chicago Professional Colleges), one year from September 1, 1960, \$3,200 (11-14-60).
- CARLSON, RUSSELL R., United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges), eight months from October 1, 1960, \$600 (11-2-60).
- CHENOWETH, RICHARD G., United States Public Health Service Post-Sophomore Medical Research Fellow (Chicago Professional Colleges), one year from September 16, 1960, \$3,550 (11-14-60).
- CORDES, RALPH L., Special Fellow in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- DONOVAN, THOMAS A., Teaching Fellow in Chemistry, nine months from September 16, 1960, \$1,366, supersedes (10-25-60).
- FAULK, CAROLYN, Teaching Fellow in English, February 1-June 15, 1961, \$350 (11-29-60).
- GOLDFINE, SABRA, Special Fellow in Social Work, nine months from September 16, 1960, \$1,800 (10-28-60).
- HEULER, HENRY J., Fellow in Art, February 1-June 15, 1961, \$750 (11-8-60).

- HOFFMAN, GERALD, United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges), one year from July 1, 1960, \$2,400 (11-14-60).
- HOFFMAN, JAMES G., Special Fellow in Social Work, nine months from September 16, 1960, \$1,800 (10-28-60).
- HOY, GAIL E., National Institutes of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1960, \$1,800 (10-27-60).
- HUSTON, ROBERT B., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1960, \$1,900 (11-16-60).
- KELLSTEDT, LYMAN A., Fellow in Political Science, February 1-June 15, 1961, \$750 (11-29-60).
- LUSTIG, NOEL, United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges), one year from July 1, 1960, \$2,400 (11-14-60).
- MAGURA, DONALD D., Fellow in Civil Engineering, February 1-June 15, 1961, \$750 (11-29-60).
- MANN, LINDSAY A., Teaching Fellow in English, February 1-June 15, 1961, \$350 (11-29-60).
- MERRILL, MARY E., Fellow in English, February 1-June 15, 1961, \$750 (11-29-60).
- MURRAY, ELLIOTT C., United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges), one year from September 1, 1960, \$3,000, supersedes (11-14-60).
- PENNIMAN, MARIAN V., National Institutes of Mental Health Fellow (Trainee) in Social Work, November 1, 1960-June 15, 1961, \$1,500 (11-15-60).
- QUILLIAN, ELAINE G., Special Fellow in Social Work, nine months from September 16, 1960, \$2,000 (10-28-60).
- TROENICK, JOAN, Special Fellow in Social Work, nine months from September 16, 1960, \$2,000 (10-28-60).

RESIGNATIONS, DECLINATIONS, AND CANCELLATIONS

- BULLOCK, JAMES W., Research Associate in the State Water Survey—resignation effective December 16, 1960.
- CAPURRO, PIETRO, Assistant Professor of Pathology (Medicine) and Assistant Pathologist (Research and Educational Hospitals)—resignation effective December 1, 1960.
- CHIU, JEN, Minnesota Mining and Manufacturing Company Fellow in Chemistry—resignation effective December 1, 1960.
- COLBURN, I. W., Assistant Professor of Architecture (Chicago Undergraduate Division)—resignation effective September 1, 1960.
- DEGROAT, DRUSILLA A., Teaching Fellow in Physiology—resignation effective November 1, 1960.
- EDWARDS, ARTHUR L., Fellow in Chemical Engineering—resignation effective November 20, 1960.
- KNABLE, NORMAN, Research Assistant Professor in the Coordinated Science Laboratory (S)—declination effective September 1, 1960.
- LASSITER, LAWRENCE H., Assistant Professor of Ophthalmology (Medicine)—resignation effective January 1, 1961.
- MARCOU, GEORGE T., Associate Professor of Community Planning—resignation effective March 1, 1961.
- MARWAH, AMARJIT S., Instructor in Oral Pathology (Dentistry)—cancellation effective September 1, 1960.
- NAKAYAMA, TEISHI, Research Associate in Chemistry—resignation effective February 1, 1961.
- NORDELL, WILLIAM J., Fellow in Civil Engineering—resignation effective November 16, 1960.
- PERLIA, MILDRED H., Assistant in Nursing—resignation effective November 23, 1960.
- ROBERT, BARBARA, Research Associate in Biological Chemistry (Medicine)—resignation effective December 2, 1960.
- ROBERT, LESLIE, Research Associate in Biological Chemistry (Medicine)—resignation effective December 2, 1960.
- SHAW, WARREN A., Fellow in Civil Engineering—resignation effective December 1, 1960.

- SHEINBLATT, MATITYAHU, Research Associate in Chemistry — resignation effective September 1, 1960.
- THOMPSON, RANDALL G., Head Resident, Graduate Dormitory — declination effective October 1, 1960; and Head Resident, Single Graduate Halls — resignation effective September 1, 1960.
- THOMPSON, MRS. ROSEMARY B., Head Resident, Graduate Dormitory — declination effective October 1, 1960.
- WILKRY, SAMUEL L., Fellow in Physical Education — resignation effective November 15, 1960.
- YAMAMOTO, ROBERT T., Research Associate in Entomology — resignation effective December 1, 1960.

LEAVES OF ABSENCE

- BANTA, FRANK G., Associate Professor of German and Chairman of the Department — leave of absence, without pay, for six months from March 1, 1961, following his sabbatical leave with full pay for the first semester.
- BECKER, ROBERT A., Professor of Physics, College of Engineering — leave of absence, without pay, from November 1, 1960, through August 31, 1961, to enable him to work on problems of the United States Air Force to be carried out at the Air Force's Aerospace organization.
- HOPKINS, MRS. ALINE L., Instructor in Business Management — sick leave, with full pay, for sixty days from November 23, 1960, or for as much of that period as may be necessary; this is in addition to the automatic sick leave allowance which expired on November 23.
- LEE, MAURICE, JR., Associate Professor of History — leave of absence, without pay, from September 1, 1961, through August 31, 1962, so that he may spend the year in study and research abroad on a Guggenheim Fellowship.
- SELTZER, ARTHUR O., Instructor in Economics, Chicago Undergraduate Division — extension of disability leave of absence, with full pay, from November 4, 1960, through January 27, 1961.

CHICAGO UNDERGRADUATE DIVISION SITE

Mr. Clement inquired about the status of the studies of the Harrison-Halsted Street area site and the status of the Garfield Park litigation.

Mr. Havens reported on the progress of the studies being made by the firm of Skidmore, Owings, and Merrill and his office, in cooperation with the Department of City Planning of the city of Chicago. One of the engineering problems being encountered is that of rerouting utilities — electric power lines, underground sewers, water mains, gas lines — in the area. The cost and the time required to accomplish this are major factors in the consideration of the site. He suggested that another conference with city officials, possibly before the Board meeting in January, would be desirable and is arranging for this.

Mr. Lesemann reported on the Garfield Park litigation. The Supreme Court of Illinois has heard the arguments in the appeal of the decision of the Circuit Court of Cook County holding unconstitutional the Act of the General Assembly authorizing the Chicago Park District to sell and convey park lands to the University. Mr. Lesemann expressed the hope that the Supreme Court will render its decision in January.

The Secretary reported that he has received additional petitions signed by residents of the Garfield Park community in support of the University's attempts to secure Garfield Park as a site for the Chicago Undergraduate Division, and that the petitions now on hand carry the signatures of some 43,000 residents of the area.

President Henry stated that in view of the possibility of a Supreme Court decision in January, the Board may wish to hold a special meet-

ing, or possibly an adjourned session of the January 18 meeting, to take such actions as may be indicated by developments.

Mr. Clement suggested that a study be made of the desirability of protecting the area surrounding the new campus when a site has been secured, and particularly the area between it and the Chicago Professional Colleges if they are in close proximity, by legislation creating a district, somewhat like the Medical Center District, to include sufficient land area to provide for future expansion.

JANUARY AND FEBRUARY MEETINGS

President Williamson reminded the Board that its next two meetings will be on January 18, 1961, in Chicago, and on February 15, 1961, in Urbana, at places and hours to be determined by the President and the Secretary of the Board.

RECESS AND EXECUTIVE SESSION

The Board recessed. Mr. Herrick and Mr. Johnston asked to be excused from the rest of the meeting.

When the Board reconvened, an executive session was requested and ordered for consideration of the following items of business relating to property acquisitions.

PURCHASE OF PROPERTIES AT 1101 AND 1302 WEST SPRINGFIELD AVENUE, URBANA

(1) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase by the University of Illinois Foundation for the University of two properties owned by the Twin City Bible Church at 1101 West Springfield Avenue and 1302 West Springfield Avenue in Urbana at the price and on the terms indicated below.

1302 West Springfield Avenue. This property is a lot 66 feet by 100 feet or a land area of 6,600 square feet and a brick and stone church building (originally the Trinity Methodist Church of Urbana). The building was condemned because of structural conditions and was razed at a cost to the Twin City Bible Church of \$8,000. Bids were taken on the razing job and were reviewed by University representatives before the contract was awarded. The property, including the original church building, was appraised at \$20,000. If purchased by the University on the basis of this appraisal, the total cost to the University would be \$28,000, including the cost of razing the building. Representatives of the Twin City Bible Church were informed at the time they contracted for demolition of the building that this expenditure would be taken into consideration by the University if and when it decided to purchase the properties.

1101 West Springfield Avenue. This consists of a lot 66 feet by 132 feet, or a total land area of 8,712 square feet, with a building used as a parsonage by the Church. Acquisition of this property by the University offers the opportunity of securing the closing of Harvey Street, south of Springfield Avenue, which would result in the acquisition of an additional land area of 60 feet by 132 feet or 7,920 square feet. Harvey Street runs north and south and the property at 1101 West Springfield is at the southwest corner of Springfield and Harvey. The property, including the parsonage, is appraised at \$18,750.

These land areas will eventually be needed for future campus expansion and as building sites. Until needed for construction of major buildings, the land could be used as sites for construction of surge space.

The Twin City Bible Church officials have agreed to accept a negotiated price of \$55,000 for the two properties, provided that payment is made not later than January 31, 1961. The University will obtain possession of the property at 1302 West Springfield Avenue not later than that date and possession of the property at 1101 West Springfield Avenue not later than July 1, 1961.

The Board of Directors of the University of Illinois Foundation has authorized the purchase of these properties, to be held by the Foundation for the

University until it has funds to purchase them, at which time title will pass to the University.

I recommend that the Board approve these property acquisitions and that it authorize the execution of a lease by the University of the properties from the Foundation at an annual rental which would be sufficient to pay the interest and other costs involved in the financing of this project.

This property acquisition has previously been submitted to the Committee on Buildings and Grounds which has recommended approval.

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

PURCHASE OF PROPERTY AT 907 SOUTH SIXTH STREET, CHAMPAIGN

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 907 South Sixth Street, Champaign, by the University of Illinois Foundation for the University, at a price of \$45,000, under the terms and conditions stated below:

The property consists of a lot 57 feet by 132.6 feet with a three-story and basement frame building presently used as a rooming house accommodating thirty-one undergraduate students. The area is zoned for multiple family use. The land will be needed for future campus expansion and has long been included in the University's plan of land acquisitions. The site will eventually be used for construction of housing for single graduate students. The property is well located for interim use as general office space.

The original asking price was \$60,000 and the negotiated sale price of \$45,000 is consistent with independent appraisals.

An initial payment of \$12,000 not later than December 31, 1960, is one of the conditions of the negotiations. The balance of the purchase price will be paid between January 1, 1961, and July 1, 1961, at which time the University will secure possession.

The Board of Directors of the University of Illinois Foundation has approved this property purchase by the Foundation to be held for the University until it has funds to purchase it, at which time title will pass to the University.

I recommend approval of this property acquisition and authorization of its lease by the University from the Foundation at a rental sufficient to pay the interest and other costs of financing this purchase. I further recommend that an appropriation of \$13,500 be made from the General Reserve Fund for remodeling to convert this property into office space and an addition of \$5,200 to the operating budget of the Physical Plant Department for the annual operation and maintenance costs of this building. Office space is the University's most critical need at present and no such additional space will possibly become available from new building construction before the fall of 1963 and perhaps somewhat later.

The Committee on Buildings and Grounds has previously reviewed this property acquisition and recommends its approval.

On motion of Mr. Pogue, this property acquisition and the execution of the lease were authorized, as recommended, by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Johnston, Mr. Stratton.

SETTLEMENT OF CONDEMNATION SUIT FOR ACQUISITION OF LAND ADJOINING UNIVERSITY PROPERTY

(3) At its meeting on October 21, 1959, the Board of Trustees authorized the institution of a condemnation suit to acquire approximately sixty acres of land located between First Street and the Illinois Central Railroad immediately south of other University property and about a half mile south of St. Mary's Road in

Champaign. This land is needed by the University for a number of educational purposes, including particularly the Firemen's Training School, the relocation of the Small Homes Council-Building Research Council offices and research facilities, and a drainage outlet for other University lands. Fred V. Percival is the owner of record of title to the land, but has entered into an unrecorded contract to sell the same to Mrs. Marie E. Mooney. Negotiations conducted with their representatives by University officers prior to the taking of said action by the Board had developed that the owners would not sell the land to the University at a price considered reasonable by it.

Since then further negotiations were conducted with the same result and, after securing assurances from the Governor that he would release sufficient funds from the state appropriation to the University for land acquisitions to enable it to pay the compensation awarded in a condemnation proceeding for the land if acceptable to this Board, suit was instituted on September 1, 1960.

After motions to dismiss that suit had been denied and the University's right to acquire the land through the suit had been thus upheld by the court, and the case had been set for trial, further negotiations resulted in reaching a settlement, subject to approval by the Board of Trustees, upon the following basis:

1. A judgment will be entered, by agreement, in the suit condemning approximately the west fifty-one acres of the land involved in the proceeding and fixing the compensation to be paid by the University therefor in the sum of \$127,500. Upon paying that sum to the County Treasurer for distribution among the defendants as the Court may direct, the University will acquire title to and possession of the fifty-one acre tract subject to the rights of Panhandle Eastern Pipeline Company under a pipeline easement granted it several years prior to the institution of the suit and to the rights, if any, of Illinois Power Company under an easement claimed by it if its claim thereto is upheld by the Court.

2. Upon payment by the University of said sum to the County Treasurer, Mr. and Mrs. Percival and Mr. and Mrs. Mooney will deliver to the University quit claim or warranty deeds conveying the fifty-one acre tract to the University, subject to said easements, in confirmation of the title acquired by the University in paying the condemnation award.

3. In the event the University brings into the land thus acquired by it, for its own uses and purposes, water, sanitary sewer, and/or gas mains connecting with those maintained by public utility companies or the Urbana and Champaign Sanitary District, the University will permit the then owners of the remainder of the land involved in the suit and which the University will not acquire under the settlement and judgment, to connect, without charge, to and use the water, gas, and sanitary sewer lines installed by the University in the land it acquires under the settlement and judgment. However, the owners of the other land will be obligated to bear the expense of making and maintaining such connections, to pay for the water and/or gas used by them, and to annex their land to said Sanitary District, and will have to install the connecting mains in such a manner and at such locations as will not interfere with the University's improvements upon or intended use of the land acquired by it.

4. The University will pay one-third of five-sevenths of the 1960 taxes assessed and levied upon the land involved in the condemnation suit, and the owners of the land not taken will pay the remainder of those taxes and also the 1960 taxes upon the improvements on the land retained by them (there are no buildings upon the land the University will acquire); and the present owners will not be liable for any assessments made by the Upper Embarrass River Basin Drainage District for benefits to the land acquired by the University for work done by that District.

5. Without expense to the University, the defendant owners will secure, and will furnish the University with, a release of a mortgage now encumbering the land the University will acquire, and will waive all rights to recover from the University, in consequence of the dismissal by it of the suit as to the land described in the petition therein which the University will not acquire, attorney fees and other expenses incurred by them in defending the suit. The University will pay the court costs in the suit which will not include any such attorney fees or expenses.

One of the principal purposes for which the University needs the land it is

thus to acquire is an outlet which will enable it to drain water from the southwest portion of its Urbana-Champaign campus into the Upper Embarrass River. The estimated cost to the University of rerouting that outlet through other land and of the extension of a water main which will not be needed if this land is acquired by it is \$110,000 so that a saving in approximately that sum will be effected through acquiring this land. Effecting this saving, in addition to acquiring the land for other purposes for which it is needed by the University, clearly justifies paying \$127,500 for it. Also, in view of this saving, it is proper to consider, and it should be considered, from the University's standpoint that not more than \$100,000 of the \$127,500 is attributable to, and is being paid for, the land itself, and the balance is attributable to, and is being paid for, the drainage outlet needed to effect said savings.

Therefore, special counsel for the University in the condemnation suit, the Legal Counsel, the Director of the Physical Plant, and the Vice-President and Comptroller recommend that the above outlined settlement be approved and authorized by the Board of Trustees, and that said special counsel and the Legal Counsel be authorized to enter into and file in the condemnation suit, on behalf of the University, any stipulation or stipulations, and the Comptroller and the Secretary of the Board be authorized to execute, on behalf of the University, any contract and other papers, approved by the Legal Counsel, which will be necessary or desirable in order to effect and carry out the recommended settlement, and the acquisition by the University of the land it will acquire thereunder.

I concur.

On motion of Mr. Swain, this settlement was authorized, and the other recommendations as presented above were approved, this action being taken by the following vote: Aye, Mr. Clement, Mr. Harewood, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Herrick, Mr. Johnston, Mr. Stratton.

RECOMMENDATION OF THE UNIVERSITY PATENT COMMITTEE

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

1. New switchable beam antenna with applications in radio direction finding — John D. Dyson, Associate Professor of Electrical Engineering, inventor, and new direction finding system using frequency independent antennas — Albert D. Bailey, Professor of Electrical Engineering and John D. Dyson, inventors. The first invention is a system using one antenna with switchable radiation modes, thus eliminating the two basic limitations of the two-antenna system. The second invention has advantages over present systems of extreme bandwidths possible by the use of equiangular spiral antennas, capability of providing azimuthal information through a hemisphere, i.e., both low and high angle coverage, and simplicity. The Head of the Department of Electrical Engineering advised that he felt there is a possibility of commercial development for these inventions. They are additions to the complex of inventions from the antenna group for which patent applications have been made.

The Committee recommends release of the rights of the University in the inventions to the University of Illinois Foundation for filing of patent applications, with the condition that the Foundation fully recognize the contractual rights of the sponsoring agency, the United States Army Signal Corps.

2. Formation permeability measurement by supersonic energy — V. S. Tuman, Associate Professor of Mining and Metallurgical Engineering, inventor. This discovery is concerned with a method of measuring the permeability of rock formations at various distances from the bore of an oil well. The Head of the Department of Mining and Metallurgical Engineering reported that this idea probably has substantial potential commercial value; therefore, the Patent Committee, after study and due to the necessity for prompt action, authorized the University of Illinois Foundation to file a patent application.

The Committee requests confirmation of this action and recommends release of the rights of the University in this invention to the University of Illinois Foundation and further recommends the distribution of 15 per cent of any net income resulting from a patent to the inventor.

3. Music typewriter — Lejaren A. Hiller, Jr., Assistant Professor of Music, and Cecil Effinger, Department of Music, University of Colorado, inventors. This invention is an electrified music typewriter linked to a five-channel punched paper tape punch and reading unit or, alternatively, a unit for punched cards or coded magnetic tape. It was referred to the University of Illinois Foundation for study and report back to the Committee as to possible commercial value. A report has been received that there is little likelihood of any commercial value and that this is only a part of a larger number of components developed elsewhere.

The Committee recommends release of the rights of the University in this invention to the inventors.

4. Dynamic crossed-field electron multiplier — D. F. Holshouser, Research Associate Professor of Electrical Engineering, inventor. This invention is a device that multiplies the intensity of a primary electron beam by means of secondary emission. It has been reported that there are possibilities of commercial development of this invention.

The Committee recommends release of the rights of the University in it to the University of Illinois Foundation for filing a patent application, with recognition of the rights of the sponsoring agency, the United States Air Force.

I concur in these recommendations.

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

On motion of Mr. Clement, the Board adjourned.

A. J. JANATA
Secretary

KENNEY E. WILLIAMSON
President